

ORIGINAL



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August 20, 2003

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Ms. Blanca S. Bayó, Director  
Division of the Commission Clerk & Administrative Services  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Approval of Interconnection, Unbundling, Resale and Collocation Agreement  
with Time Warner Telecom of Florida, L.P.

Dear Ms. Bayó:

Please find enclosed for approval and filing an original and two copies of the  
Interconnection, Unbundling, Resale and Collocation Agreement between Sprint-Florida,  
Incorporated (Sprint) and Time Warner Telecom of Florida, L.P.

If you have any questions on this matter, please contact me at 850-599-1276.

Sincerely,

Nancy Schnitzer

RECEIVED & FILED  
in  
FPSC-BUREAU OF RECORDS

cc: Ms. Adrienne Leonard  
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Enclosure

DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK



**MASTER INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT  
FOR THE STATE OF FLORIDA**

*August 1, 2003*

*Time Warner Telecom of Florida, L.P.*

*and*

*Sprint-Florida, Incorporated*

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# **INTERCONNECTION, COLLOCATION AND RESALE AGREEMENT**

This Interconnection, Collocation and Resale Agreement (the "Agreement"), entered into this 1<sup>st</sup> day of August, 2003, is entered into by and between Time Warner Telecom of Florida, L.P., a Delaware limited partnership ("TWTC"), and Sprint-Florida, Incorporated, a Florida corporation ("Sprint"), to establish the rates, terms and conditions for local interconnection, local resale, and purchase of unbundled network elements (individually referred to as the "service" or collectively as the "services").

WHEREAS, the Parties wish to interconnect their local exchange networks for the purposes of transmission and termination of calls, so that customers of each can receive calls that originate on the other's network and place calls that terminate on the other's network, and for TWTC's use in the provision of exchange access ("Local Interconnection"); and

WHEREAS, TWTC wishes to purchase Telecommunications Services for resale to others, and Sprint is willing to provide such service; and

WHEREAS, TWTC wishes to purchase unbundled network elements, ancillary services and functions and additional features ("Network Elements") for the provision of its Telecommunications Services to others, and Sprint is willing to provide such services; and

WHEREAS, the Parties intend the rates, terms and conditions of this Agreement, and their performance of obligations thereunder, to comply with the Communications Act of 1934, as amended (the "Act"), the Rules and Regulations of the Federal Communications Commission ("FCC"), and the orders, rules and regulations of the Florida Public Service Commission (the "Commission"); and

WHEREAS, the Parties wish to replace any and all other prior agreements, written and oral, applicable to the state of Florida.

Now, therefore, in consideration of the terms and conditions contained herein, TWTC and Sprint hereby mutually agree as follows:



## PART A - DEFINITIONS

### 1. DEFINED TERMS

- 1.1. Capitalized terms defined in this Section shall have the meanings as set forth herein. Other terms used but not defined herein will have the meanings ascribed to them in the Act or in the Rules and Regulations of the FCC or the Commission and if not defined by the Act or such Rules and Regulations, then the meaning customarily accepted in the industry. The Parties acknowledge that other terms appear in this Agreement, which are not defined or ascribed as stated above. The Parties agree that any such terms shall be construed in accordance with their customary usage in the telecommunications industry as of the Effective Date of this Agreement.
- 1.2. "911 Service" means a universal telephone number which gives the public direct access to the Public Safety Answering Point (PSAP). Basic 911 service collects 911 calls from one or more local exchange switches that serve a geographic area. The calls are then sent to the correct authority designated to receive such calls.
- 1.3. "Access Services" refers to interstate and intrastate switched access and private line transport services.
- 1.4. "Access Service Request (ASR)" means the industry standard forms and supporting documentation used for ordering Access Services. The ASR may be used to order trunking and facilities between TWTC and Sprint for Local Interconnection.
- 1.5. "Act" means the Communications Act of 1934, as amended.
- 1.6. "Affiliate" is as defined in the Act.
- 1.7. "Augment" refers to a modification (increase/addition or decrease/reduction) to an existing collocation arrangement. Examples include changes to the space, cage, power, cross-connect cabling, conduit, vault, riser, or cabling associated with the collocation arrangement.
- 1.8. "Automated Message Accounting (AMA)" is the structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Telcordia as GR-1100-CORE which defines the industry standard for message recording.
- 1.9. "Automatic Location Identification (ALI)" is a feature developed for E911 systems that provides for a visual display of the caller's telephone number, address and the names of the Emergency Response agencies that are responsible for that address.
- 1.10. "Automatic Location Identification/Data Management System (ALI/DMS)" means the emergency service (E911/911) database containing subscriber location information (including name, address, telephone number, and sometimes special information from the local service provider) used to determine to which Public Safety Answering Point (PSAP) to route the call.

- 1.11. "Automatic Number Identification (ANI)" is a feature that identifies and displays the number of a telephone line that originates a call.
- 1.12. "Automatic Route Selection (ARS)" is a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.
- 1.13. "ATU - C" refers to an ADSL Transmission Unit - Central Office.
- 1.14. "Busy Line Verify/Busy Line Verify Interrupt (BLV/BLVI)" means an operator call in which the caller inquires as to the busy status of, or requests an interruption of a call on another subscriber's telephone line.
- 1.15. "Business Day(s)" means the days of the week excluding Saturdays, Sundays, and all Sprint holidays.
- 1.16. "Cable Vault" shall mean a location in a Premises where facilities enter the Premises from the Outside Cable Duct and access the Inner Duct for distribution within the Premises.
- 1.17. "Carrier Access Billing System (CABS)" is the system which is defined in a document prepared under the direction of the Billing Committee of the OBF. The CABS document is published by Telcordia in Volumes 1, 1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-001869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the billing of access and other connectivity services. Sprint's carrier access billing system is its Carrier Access Support System (CASS). CASS mirrors the requirements of CABS.
- 1.18. "Central Office Building" or "Building" shall mean a structure (not including a controlled environment vault ("CEV")) housing Sprint equipment that is under the control of Sprint and for which Sprint has the right to grant access and/or occupation by third parties.
- 1.19. "Central Office Switches" ("COs") - are switching facilities within the public switched telecommunications network, including, but not limited to:
  - 1.19.1. "End Office Switches" ("EOs") are switches from which end user Telephone Exchange Services are directly connected and offered.
  - 1.19.2. "Tandem Switches" are switches that are used to connect and switch trunk circuits between and among Central Office Switches.
  - 1.19.3. "Remote Switches" are switches that are away from their host or control office. All or most of the central control equipment for the remote switch is located at the host or control office.
- 1.20. "Centrex" means a Telecommunications Service associated with a specific grouping of lines that uses central office switching equipment for call routing to handle direct dialing of calls, and to provide numerous private branch exchange-

like features.

- 1.21. "CLASS/LASS" (Telcordia Service Mark) refers to service features that utilize the capability to forward a calling party's number between end offices as part of call setup. Features include Automatic Callback, Automatic Recall, Caller ID, Call Trace, and Distinctive Ringing.
- 1.22. "Collocation Arrangement" refers to a single, specific provision of Collocation in a particular Premises, not limited to a cage enclosing TWTC's equipment within the Premises.
- 1.23. "Collocation Point of Termination" shall mean the physical demarcation point as described in Section 88.
- 1.24. "Collocation Space" shall mean an area of space as agreed between the Parties, located in a Building to be used by TWTC to house telecommunications equipment. Additionally, roof or wall space used for wireless interconnection shall be included in the definition where applicable.
- 1.25. "Commission" means the Florida Public Service Commission.
- 1.26. "Common Channel Signaling (CCS)" is a method of digitally transmitting call set-up and network control data over a digital signaling network fully separate from the public switched telephone network that carries the actual call.
- 1.27. "Common Transport" provides a local interoffice transmission path between the Sprint Tandem Switch and a Sprint or TWTC end office switch. Common Transport is shared between multiple customers and is required to be switched at the Tandem.
- 1.28. "Confidential and/or Proprietary Information" has the meaning set forth in Section 14 of Part B - General Terms and Conditions.
- 1.29. "Controlled Environment Vault" ("CEV") shall mean a below ground room other than a Central Office Building which is controlled by Sprint and which is suitable for collocation of telecommunications equipment under controlled temperature and humidity.
- 1.30. "Control Office" is an exchange carrier center or office designated as the Party's single point of contact for the provisioning and maintenance of its portion of local interconnection arrangements.
- 1.31. "Custom Calling Features" means a set of Telecommunications Service features available to residential and single-line business customers including call-waiting, call-forwarding and three-party calling.
- 1.32. "Customer Proprietary Network Information (CPNI)" is as defined in the Act.
- 1.33. "Database Management System (DBMS)" is a computer process used to store, sort, manipulate and update the data required to provide selective routing and ALI.

- 1.34. "Day" means calendar days unless otherwise specified.
- 1.35. "Dedicated Transport" provides a local interoffice transmission path between Sprint and/or TWTC central offices. Dedicated Transport is limited to the use of a single customer and does not require switching at a Tandem.
- 1.36. "Digital Subscriber Line Access Multiplexer" ("DSLAM") is equipment that links end-user xDSL connections to a single high-speed packet switch, typically ATM or IP.
- 1.37. "Directory Assistance Database" refers to any subscriber record used by Sprint in its provision of live or automated operator-assisted directory assistance including but not limited to 411, 555-1212, NPA-555-1212.
- 1.38. "Directory Assistance Services" provides listings to callers. Directory Assistance Services may include the option to complete the call at the caller's direction.
- 1.39. "DSLAM" refers to a Digital Subscriber Line Access Multiplexer.
- 1.40. "Duct" is a single enclosed path to house facilities to provide Telecommunications Services.
- 1.41. "Enhanced 911 Service (E911)" means a telephone communication service which will automatically route a call dialed "9-1-1" to a designated public safety answering point (PSAP) attendant and will provide to the attendant the calling party's telephone number and, when possible, the address from which the call is being placed and the Emergency Response agencies responsible for the location from which the call was dialed.
- 1.42. "Effective Date" is the date referenced in the opening paragraph on page 1 of this Agreement, unless otherwise required by the Commission.
- 1.43. "Electronic Interface" means access to operations support systems consisting of preordering, ordering, provisioning, maintenance and repair and billing functions.
- 1.44. "Emergency Response Agency" is a governmental entity authorized to respond to requests from the public to meet emergencies.
- 1.45. "Emergency Service Number (ESN)" is a number assigned to the ALI and selective routing databases for all subscriber telephone numbers. The ESN designates a unique combination of fire, police and emergency medical service response agencies that serve the address location of each in-service telephone number.
- 1.46. "EMI" (Exchange Message Interface System) is the Industry standard for exchanging telecommunications message information for billable, non-billable, sample settlement and study records. The EMI is published by ATIS (Alliance for Telecommunications Industry Solutions).

- 1.47. "End Date" is the date this Agreement terminates as referenced in 5.1.
- 1.48. "FCC" means the Federal Communications Commission.
- 1.49. "Grandfathered Service" means service which is no longer available for new customers and is limited to the current customer at their current locations with certain provisioning limitations, including but not limited to upgrade denials, feature adds/changes and responsible/billing party.
- 1.50. "High Frequency Spectrum Unbundled Network Element" ("HFS UNE") is defined as the frequency range above the voice band on a copper loop facility that is being used to carry analog circuit-switched voice band transmissions. The FCC's Third Report and Order in CC Docket No. 98-147 and Fourth Report and Order in CC Docket No. 96-98 (rel. December 9, 1999) (the "Line Sharing Order") references the voice band frequency of the spectrum as 300 to 3000 Hertz (and possibly up to 3400 Hertz) and provides that xDSL technologies which operate at frequencies generally above 20,000 Hertz will not interfere with voice band transmission.
- 1.51. "Incumbent Local Exchange Carrier (ILEC)" is as defined in the Act.
- 1.52. "Interexchange Carrier (IXC)" means a provider of interexchange Telecommunications Services.
- 1.53. "Indirect Traffic" means traffic which is originated by one Party and terminated to the other Party in which a third party Telecommunications Carrier provides the intermediary transiting service. Indirect traffic does not require a physical direct trunk group between the Parties.
- 1.54. "ISP-Bound Traffic," for the purposes of this Agreement, is traffic that is transmitted to or returned from the Internet at any point during the duration of the transmission between the Parties and shall be interpreted consistent with the FCC's *Order on Remand and Report and Order*, FCC 01-131. CC Dockets No. 96-98 and 99-68, adopted April 18, 2001.
- 1.55. "Inner Duct" or "Conduit" shall mean any passage or opening in, on, under, over or through the Sprint Central Office Building cable or conduit systems.
- 1.56. "Interim Number Portability (INP)" is a service arrangement whereby subscribers who change local service providers may retain existing telephone numbers without impairment of quality, reliability, or convenience when remaining at their current location or changing their location within the geographic area served by the initial carrier's serving central office. Upon implementation of Local Number Portability, defined herein, INP services will be discontinued.

- 1.57. "Line Information Data Base (LIDB)" means a Service Control Point (SCP) database that provides for such functions as calling card validation for telephone line number cards issued by Sprint and other entities and validation for collect and billed-to-third services.
- 1.58. "Live Load Capacity" as it relates to a TWTC's collocation space refers to the structural strength of the floor to support the weight of TWTC's property and equipment installed in the collocated space.
- 1.59. "Local Loop" refers to a transmission path between the main distribution frame cross-connect, or its equivalent, in a Sprint Central Office or wire center, and up to the Network Interface Device at a customer's premises, to which TWTC is granted exclusive use. This includes, but is not limited to, two-wire and four-wire copper analog voice-grade loops, two-wire and four-wire loops that are conditioned to transmit the digital signals needed to provide services such as ISDN and DS1-level signals.
- 1.60. "Local Number Portability (LNP)" means the ability of users of Telecommunications Services to retain, at the same Sprint served rate center, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one telecommunications carrier to another.
- 1.61. "Local Service Request (LSR)" means an industry standard form or a mutually agreed upon change thereof, used by the Parties to add, establish, change or disconnect local services.
- 1.62. "Local Traffic," for the purposes of this Agreement the Parties shall agree that "Local Traffic" means traffic (excluding CMRS traffic) that is originated and terminated within Sprint's local calling area, or mandatory expanded area service (EAS) area, as defined by State commissions or, if not defined by State commissions, then as defined in existing Sprint tariffs. For this purpose, Local Traffic does not include any ISP-Bound Traffic.
- 1.63. "LOE" shall mean TWTC-owned equipment.
- 1.64. "Multiple Exchange Carrier Access Billing (MECAB)" refers to the document prepared by the Billing Committee of the ATIS Ordering and Billing Forum (OBF). The MECAB document contains the recommended guidelines for the billing of an access service provided to a customer by two or more providers or by one provider in two or more states within a single LATA.
- 1.65. "Multiple Exchange Carrier Ordering And Design" ("MECOD") refers to the guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee under the auspices of the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS). The MECOD document, published by Telcordia as Special Report SR STS-002643, establishes recommended guidelines for processing orders for access service which is to be provided by two or more

telecommunications carriers.

- 1.66. “North American Numbering Plan” (“NANP”) means the plan for the allocation of unique 10-digit directory numbers consisting of a three-digit area code, a three-digit office code, and a four-digit line number. The plan also extends to format variations, prefixes, and special code applications.
- 1.67. “National Emergency Number Association (NENA)” is an association with a mission to foster the technological advancement, availability and implementation of 911 nationwide.
- 1.68. “Network Element” as defined in the Act.
- 1.69. “Numbering Plan Area (NPA)” (sometimes referred to as an area code) is the three-digit indicator which is designated by the first three digits of each 10-digit telephone number within the NANP. Each NPA contains 800 possible NXX Codes. There are two general categories of NPA, “Geographic NPAs” and “Non-Geographic NPAs.” A “Geographic NPA” is associated with a defined geographic area, and all telephone numbers bearing such NPA are associated with services provided within that geographic area. A “Non-Geographic NPA,” also known as a “Service Access Code (SAC Code)” is typically associated with a specialized telecommunications service which may be provided across multiple geographic NPA areas; 500, 800, 900, 700, and 888 are examples of Non-Geographic NPAs.
- 1.70. “NXX,” “NXX Code,” “NNX,” “COC,” “Central Office Code,” or “CO Code” is the three-digit switch entity indicator which is defined by the fourth, fifth and sixth digits of a 10-digit telephone number within NANP.
- 1.71. “OBF” means the Ordering and Billing Forum, which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS).
- 1.72. “Operator Systems” is the Network Element that provides operator and automated call handling with billing, special services, subscriber telephone listings, and optional call completion services.
- 1.73. “Operator Services” include, without limitation:
  - 1.73.1. operator handling for call completion (e.g., collect calls);
  - 1.73.2. operator or automated assistance for billing after the subscriber has dialed the called number (e.g., credit card calls); and
  - 1.73.3. special services (e.g., BLV/BLI, Emergency Agency Call).
- 1.74. “Outside Cable Duct” shall mean any space located outside the Central Office Building and owned by or under the control of Sprint through which Sprint runs its cable, conduit or other associated facilities.
- 1.75. “Parity” means, subject to the availability, development and implementation of

necessary industry standard Electronic Interfaces, the provision by Sprint of services, Network Elements, functionality or telephone numbering resources under this Agreement to TWTC, including provisioning and repair, at least equal in quality to those offered to Sprint, its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources. Until the implementation of necessary Electronic Interfaces, Sprint shall provide such services, Network Elements, functionality or telephone numbering resources on a non-discriminatory basis to TWTC as it provides to its Affiliates or any other entity that obtains such services, Network Elements, functionality or telephone numbering resources.

- 1.76. "P.01 Transmission Grade Of Service (GOS)" means a trunk facility provisioning standard with the statistical probability of no more than one call in 100 blocked on initial attempt during the average busy hour.
- 1.77. "Parties" means, jointly, Sprint-Florida, Incorporated and Time Warner Telecom of Florida, L.P., and no other entity, affiliate, subsidiary or assign.
- 1.78. "Party" means either Sprint-Florida, Incorporated or Time Warner Telecom of Florida, L.P., and no other entity, affiliate, subsidiary or assign.
- 1.79. "Percent Local Usage (PLU)" is a calculation which represents the ratio of the local minutes to the sum of local and intraLATA toll minutes between exchange carriers sent over Local Interconnection Trunks. Directory assistance, BLV/BLVI, 900, and 976 transiting calls from other exchange carriers and switched access calls are not included in the calculation of PLU.
- 1.80. "Physical Collocation" is as defined in 47 CFR 51.5.
- 1.81. "Physical Point of Interconnection" ("Physical POI") is the physical point that establishes the technical interface, the test point, and the operational responsibility hand-off between TWTC and Sprint for the local interconnection of their networks.
- 1.82. "Premises" is as defined in 47 C.F.R. 51.5.
- 1.83. "Pre-Order Loop Qualification" ("Loop Qualification") is an OSS function that includes supplying loop qualification information to TWTC as part of the Pre-ordering Process. Examples of the type of information provided are:
  - 1.83.1. Composition of the loop material, i.e. fiber optics, copper;
  - 1.83.2. Existence, location and type of any electronic or other equipment on the loop, including but not limited to:
    - 1.83.2.1. Digital Loop Carrier (DLC) or other remote concentration devices;
    - 1.83.2.2. Feeder/distribution interfaces;
    - 1.83.2.3. Bridge taps;



- 1.83.2.4. Load coils;
    - 1.83.2.5. Pair gain devices; or
    - 1.83.2.6. Disturbers in the same or adjacent binders.
  - 1.83.3. Loop length which is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office;
  - 1.83.4. Wire gauge or gauges; and
  - 1.83.5. Electrical parameters.
- 1.84. “Proprietary Information” shall have the same meaning as Confidential Information.
- 1.85. “Rate Center” means the geographic point and corresponding geographic area which are associated with one or more particular NPA-NXX codes which have been assigned to Sprint or TWTC for its provision of Basic Exchange Telecommunications Services. The “rate center point” is the finite geographic point identified by a specific V&H (Vertical and Horizontal) coordinate, which is used to measure distance-sensitive end user traffic to/from the particular NPA-NXX designations associated with the specific Rate Center. The “rate center area” is the exclusive geographic area identified as the area within which Sprint or TWTC will provide Basic Exchange Telecommunications Services bearing the particular NPA-NXX designations associated with the specific Rate Center. The Rate Center point must be located within the Rate Center area.
- 1.86. “Routing Point” means a location which Sprint or TWTC has designated on its own network as the homing (routing) point for traffic inbound to Basic Exchange Services provided by Sprint or TWTC which bear a certain NPA-NXX designation. The Routing Point is employed to calculate mileage measurements for the distance-sensitive transport element charges of Switched Access Services. Pursuant to Telcordia Practice BR 795-100-100, the Routing Point may be an “End Office” location, or a “LEC Consortium Point of Interconnection.” Pursuant to that same Telcordia Practice, examples of the latter shall be designated by a common language location identifier (CLLI) code with (x)MD or X(x) in positions 9, 10, 11, where (x) may be any alphanumeric A-Z or 0-9. The above referenced Telcordia document refers to the Routing Point as the Rating Point. The Rating Point/Routing Point need not be the same as the Rate Center Point, nor must it be located within the Rate Center Area, but must be in the same LATA as the NPA-NXX.
- 1.87. “Small Exchange Carrier Access Billing (SECAB)” means the document prepared by the Billing Committee of the OBF. The SECAB document, published by ATIS as Special Report SR OPT-001856, contains the recommended guidelines for the billing of access and other connectivity services.

- 1.88. "Selective Routing" is a service which automatically routes an E911 call to the PSAP that has jurisdictional responsibility for the service address of the telephone that dialed 911, irrespective of telephone company exchange or wire center boundaries. <sup>1</sup>
- 1.89. "Signaling Transfer Point (STP)" means a signaling point that performs message routing functions and provides information for the routing of messages between signaling points within or between CCIS networks. A STP transmits, receives and processes CCIS messages.
- 1.90. "Splitter" is a device that divides the data and voice signals concurrently moving across the loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to the packet-switched network. The Splitter may be directly integrated into the DSLAM equipment or may be externally mounted.
- 1.91. "Street Index Guide (SIG)" is a database defining the geographic area of an E911 service. It includes an alphabetical list of the street names, high-low house number ranges, community names, and Emergency Service Numbers provided by the counties or their agents to Sprint.
- 1.92. "Switch" means a Central Office Switch as defined in this Part A.
- 1.93. "Switched Exchange Access Service" means the offering of transmission or switching services to Telecommunications Carriers for the purpose of the origination or termination of Telephone Toll Service. Switched Exchange Access Services include: Feature Group A, Feature Group B, Feature Group D, 800/888 access and 900 access and their successor or similar Switched Exchange Access Services.
- 1.94. "Synchronous Optical Network (SONET)" is an optical interface standard that allows interworking of transmission products from multiple vendors (i.e., mid-span meets). The base rate is 51.84 MHps (OC-1/STS-1 and higher rates are direct multiples of the base rate up to 1.22 GHps).
- 1.95. "Tandem Office Switches", "Tandem", and "Tandem Switching" describe Class 4 switches which are used to connect and switch trunk circuits between and among end office switches and other tandems.
- 1.96. "Tariff" means a filing made at the state or federal level for the provision of a telecommunications service by a telecommunications carrier that provides for the terms, conditions and pricing of that service. Such filing may be required or voluntary and may or may not be specifically approved by the Commission or FCC.
- 1.97. "Technically Feasible" refers solely to technical or operational concerns, rather than economic, space, or site considerations.
- 1.98. "Telecommunications" is as defined in the Act.

- 1.99. "Telecommunications Carrier" is as defined in the Act.
- 1.100. "Telecommunication Services" is as defined in the Act.
- 1.101. "Transit Service" means the delivery of Transit Traffic.
- 1.102. "Transit Traffic" means Local or non-Local traffic that originated on one Party's network, transited through the other Party's network, and terminated to a third party Telecommunications Carrier's network or that is originated on a third party Telecommunications Carrier's network, transited through a Party's network, and terminated to the other Party's network.
- 1.103. "Virtual Collocation" is as defined in 47 C.F.R. 51.5.
- 1.104. "Wholesale Service" means Telecommunication Services that Sprint provides at retail to subscribers who are not telecommunications carriers as set forth in 47 USC Section 251(c)(4) which Sprint provides to resellers at a wholesale rate.
- 1.105. "Wire Center" denotes a building or space within a building which serves as an aggregation point on a given carrier's network, where transmission facilities and circuits are connected or switched. Wire center can also denote a building in which one or more central offices, used for the provision of Basic Exchange Services and access services, are located.
- 1.106. "xDSL" refers to a generic term for a series of high speed transmission protocols, equipment, and services designed to operate over copper wire. This series includes but is not limited to ADSL, VDSL, SDSL, and others.

## **PART B – GENERAL TERMS AND CONDITIONS**

### **2. SCOPE OF THIS AGREEMENT**

- 2.1. This Agreement, including Parts A through K, specifies the rights and obligations of each Party with respect to the establishment, purchase, and sale of Local Interconnection, resale of Telecommunications Services and Unbundled Network Elements. Certain terms used in this Agreement shall have the meanings defined in PART A -- DEFINITIONS, or as otherwise elsewhere defined throughout this Agreement. Other terms used but not defined herein will have the meanings ascribed to them in the Act, in the FCC's, and in the Commission's Rules and Regulations. PART B sets forth the general terms and conditions governing this Agreement. The remaining Parts set forth, among other things, descriptions of the services, pricing, technical and business requirements, and physical and network security requirements.

### **3. NETWORK CHANGES**

- 3.1. Sprint shall provide notice of network changes and upgrades in accordance with the Act or Commission Rules and Sections 51.325 through 51.335 of Title 47 of the Code of Federal Regulations. To the extent permitted by Applicable Law, Sprint may discontinue any interconnection arrangement, Telecommunications Service, or Network Element provided or required hereunder due to network changes or upgrades after providing TWTC notice as required by this section but shall comply with notice and procedural requirements, if any, set forth in any Applicable Law. Sprint agrees to cooperate with TWTC and/or the appropriate regulatory body in any transition resulting from such discontinuation of service and to minimize the impact to customers, which may result from such discontinuance of service.

### **4. REGULATORY APPROVALS**

- 4.1. This Agreement, and any amendment or modification hereof, will be submitted to the Commission for approval in accordance with Section 252 of the Act within thirty (30) Days after obtaining the last required Agreement signature. Sprint and TWTC shall use their best efforts to obtain approval of this Agreement by any regulatory body having jurisdiction over this Agreement. In the event any governmental authority or agency rejects any provision hereof, the Parties shall negotiate promptly and in good faith such revisions as may reasonably be required to achieve approval.
- 4.2. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the texts of the Act and the rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date ("Applicable Rules"). In the event of any amendment of the Act, any effective legislative action or any effective regulatory or judicial order, rule, regulation, arbitration award, dispute resolution procedures under this Agreement or other legal action purporting to apply the provisions of the Act to the Parties or

in which the court, FCC or the Commission makes a generic determination that is generally applicable which revises, modifies or reverses the Applicable Rules (individually and collectively, "Amended Rules"), either Party may, by providing written notice to the other Party, require that the affected provisions of this Agreement be renegotiated in good faith and this Agreement shall be amended accordingly to reflect the pricing, terms and conditions of each such Amended Rules relating to any of the provisions in this Agreement. If the Parties cannot agree to language amending the affected provisions within sixty (60) Days of the commencement of negotiating the amendment to affect the change in law, then either Party can seek an administrative or judicial determination on a forum having appropriate jurisdiction to resolve the conflict.

- 4.3. The Parties anticipate a written order to be issued by the FCC in Docket No. CC 01-338, Unbundling Obligations of Incumbent Local Exchange Carriers. Such order, as of its effective date, will be inconsistent with and will revise or modify the Applicable Rules under this Agreement. In accordance with Section 4.2 of this Agreement, either Party may provide written notice for renegotiation of the affected provisions of this Agreement to incorporate the intent and substantive application of the Amended Rules.
- 4.4. Notwithstanding any other provision of this Agreement to the contrary Section 4.2 hereof shall control. Any rates, terms or conditions thus developed or modified shall be substituted in place of those previously in effect and shall be deemed to have been effective under this Agreement as of the effective date established by the Amended Rules, whether such action was commenced before or after the Effective Date of this Agreement. Should the Parties be unable to reach agreement with respect to the applicability of such order or the resulting appropriate modifications to this Agreement, either Party may invoke the Dispute Resolution provisions of this Agreement, it being the intent of the Parties that this Agreement shall be brought into conformity with the then current obligations under the Act as determined by the Amended Rules.

## **5. TERM AND TERMINATION**

- 5.1. This Agreement shall be deemed effective upon the Effective Date first stated above, and continue for a period of two (2) years until July 31, 2005 ("End Date"), unless earlier terminated in accordance with this Section 5, provided however that if TWTC has any outstanding past due obligations to Sprint, this Agreement will not be effective until such time as any past due obligations with Sprint are paid in full. This agreement shall become binding upon execution by the Parties. No order or request for services under this Agreement shall be processed before the Effective Date, except as otherwise agreed to in writing by the Parties, provided TWTC has established a customer account with Sprint and has completed the Implementation Plan described in Section 32 of this Part A.
- 5.2. In the event of either Party's material breach of any of the terms or conditions hereof, including the failure to make any undisputed payment when due, the non-defaulting Party, at its sole option, may immediately terminate this Agreement in

whole or in part provided that the non-defaulting Party so advises the defaulting Party in writing of the event of the alleged default and the defaulting Party does not remedy the alleged default within sixty (60) Days after written notice thereof, provided, however, that if such default cannot reasonably be cured within sixty (60) Days, the Parties shall mutually agree on an extension of time to cure. The non-defaulting Party shall be entitled to pursue all available legal and equitable remedies for such breach.

- 5.3. Sprint may terminate this Agreement upon thirty (30) Days notice if TWTC is not exchanging traffic with Sprint or has not submitted orders for services or unbundled network elements pursuant to this Agreement within one hundred eighty (180) Days of the Effective Date. In addition, Sprint reserves the right to terminate this Agreement immediately upon notice from TWTC that it has ceased doing business in this state. In addition to notice from TWTC, Sprint may utilize any publicly available information in concluding that TWTC is no longer doing business in this state, and immediately terminate this Agreement.
- 5.4. Termination of this Agreement for any cause shall not release either Party from any liability which at the time of termination has already accrued to the other Party or which thereafter may accrue in respect to any act or omission prior to termination or from any obligation which is expressly stated herein to survive termination.
- 5.5. Notwithstanding the above, should Sprint sell or trade substantially all the assets in an exchange or group of exchanges that Sprint uses to provide Telecommunications Services, then Sprint will assign the portions of this Agreement for those exchanges/markets where TWTC is actually interconnecting and providing Telecommunications Services. Sprint may terminate this Agreement in whole in part as to that particular exchange or group of exchanges upon sixty (60) Days prior written notice, but in any event, Sprint shall make reasonable efforts to assist TWTC in a reasonably seamless transition to the acquiring provider. The Parties agree to abide by any applicable Commission Order.

## **6. POST EXPIRATION INTERIM SERVICE ARRANGEMENTS**

- 6.1. No later than one hundred sixty (160) Days prior to the End Date, TWTC will provide Sprint notice to commence negotiations pursuant to Sections 251 and 252 of the Act for terms, conditions and rates for a successor agreement.
- 6.2. In the event that this Agreement expires under Section 5.1, and the Parties have not executed a successor agreement at the time of expiration, provided the Parties are actually in arbitration or mediation before the appropriate Commission or FCC under Section 252 of the Act or the Parties have a written agreement to continue negotiations, then at the request of either Party, the Parties shall provide each other Interconnection services after the End Date under the same terms as the expired Agreement. Service under these terms will continue in effect only until the earlier to occur of (i) the Parties execute a successor agreement through

negotiations, or (ii) the issuance of an order, whether a final non-appealable order or not, by the Commission or FCC, approving an agreement resulting from the resolution of the issues set forth in such arbitration or mediation request.

6.3. In the event that on the End Date the Parties have not executed a successor agreement and Section 6.2 does not apply, Sprint will continue to provide services pursuant to one of the following:

6.3.1. Such standard terms and conditions or tariffs approved by and made generally available by the Commission, if they exist as of the End Date; or

6.3.2. An existing agreement between Sprint and another carrier adopted by TWTC for the remaining term of that agreement. If TWTC fails to designate an agreement under this subsection, then Sprint may designate such agreement.

## **7. CHARGES AND PAYMENT**

7.1. In consideration of the services provided by Sprint under this Agreement, TWTC shall pay the charges set forth in Part C subject to the provisions of Section 4.2 and Section 4.4 hereof. The billing and payment procedures for charges incurred by TWTC hereunder are set forth in Part I.

7.2. Subject to the terms of this Agreement, the Parties shall pay invoices thirty (30) Days from the bill date. For invoices not paid when due, late payment charges will be assessed under Section 7.4. If the payment due date is a Saturday, Sunday or a designated bank holiday, payment shall be made the next Business Day.

7.3. Billed amounts for which written, itemized disputes or claims have been filed are not due for payment until such disputes or claims have been resolved in accordance with the provisions governing dispute resolution of this Agreement. Itemized, written disputes must be filed with Sprint's National Exchange Access Center ("NEAC"), National Access Service Center (NASC), or appropriate equivalent center no later than the due date of the related invoice. A copy of the dispute must be sent with the remittance of the remainder of the invoice. Updated contact information for the NEAC and NASC can be found at [www.sprint.com/localwholesale](http://www.sprint.com/localwholesale).

Itemized, written disputes must be filed with TWTC no later than the due date of the related invoice. A copy of the dispute must be sent with the remittance of the remainder of the invoice and to the following:

Time Warner Telecom  
Attn: Dispute Manger  
5700 So. Quebec 3rd Floor  
Greenwood Village CO 80155  
email: [billingresolutiondenver@twtelecom.com](mailto:billingresolutiondenver@twtelecom.com)

7.4. Sprint will assess late payment charges to TWTC equal to the lesser of the highest rate (in decimal value) which may be levied by law for commercial transactions,

compounded daily for the number of days from the payment date to and including the date TWTC actually makes the payment to Sprint, or 0.000329 percent per day, compounded daily for the number of days from the payment due date to and including the date that TWTC actually makes the payment to Sprint, until the amount due is paid in full. TWTC will assess late payment charges to Sprint equal to the lesser of one and one-half percent (1.5%) per month or the maximum rate allowed by law for commercial transactions, of the balance due, until the amount due is paid in full.

- 7.5. Sprint reserves the right to secure the account with a suitable form of security deposit in accordance with Section 39.

## **8. AUDITS AND EXAMINATIONS**

- 8.1. Each Party to this Agreement will be responsible for the accuracy and quality of its data as submitted to the other Party involved. Subject to each Party's reasonable security requirements and except as may be otherwise specifically provided in this Agreement, either Party, at its own expense, may audit the other Party's books, records and other documents directly related to billing and invoicing once in any twelve (12) month period for the purpose of evaluating the accuracy of the other Party's billing and invoicing. As used herein "Audit" shall mean a comprehensive review of services performed under this Agreement; "Examination" shall mean an inquiry into a specific element of or process related to services performed under this Agreement billed amounts. Either party (the "Requesting Party") may perform one (1) Audit per twelve (12) month period commencing with the Effective Date, with the assistance of the other Party, which will not be unreasonably withheld. The Audit period will include no more than the preceding twelve (12) month period as of the date of the Audit request. The Requesting Party may perform Examinations, as it deems necessary, with the assistance of the other Party, which will not be unreasonably withheld.
- 8.2. Upon thirty (30) Days written notice by the Requesting Party to Audited Party, Requesting Party shall have the right through its authorized representative to make an Audit, during normal business hours, of any records, accounts and processes which contain information bearing upon the billing and invoicing of the services provided under this Agreement. Within the above-described thirty (30) Day period, the Parties shall reasonably agree upon the a reasonable scope of the Audit or Examination, the documents and processes to be reviewed, and the time, place and manner in which the Audit or Examination shall be performed. Audited Party agrees to provide Audit or Examination support, including appropriate access to and use of Audited Party's facilities (e.g.: conference rooms, telephones, copying machines).
- 8.3. Each Party shall bear its own expenses in connection with the conduct of the Audit or Examination. The reasonable cost of special data extraction required by the Requesting Party to conduct the Audit or Examination will be paid for by the Requesting Party. For purposes of Section 8.3, a "Special Data Extraction" shall mean the creation of an output record or informational report (from existing data



files) that is not created in the normal course of business. If any program is developed to Requesting Party's specifications and at Requesting Party's expense, Requesting Party shall specify at the time of request whether the program is to be retained by Audited Party for reuse for any subsequent Audit or Examination.

- 8.4. Adjustments based on the audit findings may be applied to the twelve (12) month period included in the audit. Adjustments, credits or payments shall be made and any corrective action shall commence within thirty (30) Days from receipt of requesting Party's receipt of the final audit report to compensate for any errors or omissions which are disclosed by such Audit or Examination and are agreed to by the Parties. Interest shall be calculated in accordance with Section 7.4 above.
- 8.5. Neither such right to examine and audit nor the right to receive an adjustment shall be affected by any statement to the contrary appearing on checks or otherwise, unless such statement expressly waiving such right appears in writing, is signed by the authorized representative of the party having such right and is delivered to the other party in a manner sanctioned by this Agreement.
- 8.6. Section 8 shall survive expiration or termination of this Agreement for a period of one (1) year after expiration or termination of this Agreement.

## **9. INTELLECTUAL PROPERTY RIGHTS**

- 9.1. Any intellectual property which originates from or is developed by a Party shall remain in the exclusive ownership of that Party. Except for a limited license to use patents or copyrights to the extent necessary for the Parties to use any facilities or equipment (including software) or to receive any service solely as provided under this Agreement, no license in patent, copyright, trademark or trade secret, or other proprietary or intellectual property right now or hereafter owned, controlled or licensable by a Party, is granted to the other Party or shall be implied or arise by estoppel.
- 9.2. Except as otherwise provided in this Section 9, neither Party shall have any obligation to indemnify or hold harmless, acquire any license or right for the benefit of, or owe any other obligation or the other Party. Each Party shall and hereby agrees to defend, at the other's request, indemnify and hold harmless the other Party and each of its officers, directors, employees, and agents against and from any loss, debt, liability, damage, obligation, claim, demand, judgment, or settlement of any nature or kind, known or unknown, liquidated or unliquidated, including without limitation, all reasonable costs and expenses incurred (including attorney's fees) based on, arising out of, or resulting from any pending or threatened claim, action, demand, suit, or proceeding by any third party ("Claim") alleging or asserting that the use of any circuit, apparatus or system, or the use of any software, or the performance of any service or method, or the provision or use of any facilities by either Party under this Agreement, constitutes direct or contributory infringement, or misuse or misappropriation of any patent, copyright, trademark, trade secret, trade name, trade dress, service mark, or any other proprietary or intellectual property right of any third party presently known or

later developed to the extent that such Claim arises from the actions of the respective Party, or failure to act, as required pursuant to this Agreement; provided, however, there shall be no such obligation to defend, indemnify or hold harmless the other Party the Party seeking to be defended, indemnified or held harmless, or its End Users, has modified any function, facility, products or services provided under this Agreement and no infringement would have occurred without such modification.

- 9.3. Sprint agrees to use its best efforts to obtain for TWTC, under commercially reasonable terms, Intellectual Property rights to each unbundled network element necessary for TWTC to use such unbundled network element in the same manner as Sprint.
- 9.4. Sprint shall have no obligations to attempt to obtain for TWTC any Intellectual Property right(s) that would permit TWTC to use any unbundled network element in a different manner than used by Sprint.
- 9.5. To the extent not prohibited by a contract with the vendor of the network element sought by TWTC that contains Intellectual Property licenses, Sprint shall reveal to TWTC the name of the vendor, the Intellectual Property rights licensed to Sprint under the vendor contract and the terms of the contract (excluding cost terms). Sprint shall, at TWTC's request, contact the vendor to attempt to obtain permission to reveal additional contract details to TWTC.
- 9.6. All costs associated with the extension of Intellectual Property rights to TWTC pursuant to Section 9.3, including the cost of the license extension itself and the costs associated with the effort to obtain the license, shall be part of the cost of providing the unbundled network element to which the Intellectual Property rights relate and apportioned to all requesting carriers using that unbundled network element including Sprint. Sprint hereby conveys no licenses to use such Intellectual Property rights and makes no warranties, express or implied, concerning TWTC's (or any Third Parties') rights with respect to such Intellectual Property rights and contract rights, including whether such rights will be violated by such Interconnection or unbundling and/or combining of Network Elements (including combining with TWTC's use of other functions, facilities, products or services furnished under this Agreement. Any licenses or warranties for Intellectual Property rights associated with unbundled network elements are vendor licenses and warranties and are a part of the Intellectual Property rights Sprint agrees in Section 9.3 to use its best efforts to obtain.

## **10. LIMITATION OF LIABILITY**

- 10.1. Except as otherwise set forth in this Agreement, neither Party shall be responsible to the other for any indirect, special, consequential or punitive damages, including (without limitation) damages for loss of anticipated profits or revenue or other economic loss in connection with or arising from anything said, omitted, or done hereunder (collectively "Consequential Damages"), provided that the foregoing shall not limit a Party's obligation under Section 11 to indemnify, defend, and

hold the other Party harmless against amounts payable to third parties. Notwithstanding the foregoing, in no event shall Sprint's liability to TWTC for a service outage exceed an amount equal to the proportionate charge for the service(s) or unbundled element(s) provided for the period during which the service was affected.

## **11. INDEMNIFICATION**

- 11.1. Except as otherwise set forth in this Agreement including and not limited to Section 57, each Party agrees to indemnify and hold harmless the other Party from and against claims by third parties for damage to tangible personal or real property and/or personal injuries to the extent caused by the negligence or willful misconduct or omission of the indemnifying Party.
- 11.2. TWTC shall indemnify and hold harmless Sprint from all claims by TWTC's subscribers.
- 11.3. Sprint shall indemnify and hold harmless TWTC from all claims by Sprint's subscribers.
- 11.4. The indemnifying Party under this Section agrees to defend any suit brought against the other Party either individually or jointly with the indemnified Party for any such loss, injury, liability, claim or demand.
- 11.5. The indemnified Party agrees to notify the other Party promptly, in writing, of any written claims, lawsuits, or demands for which it is claimed that the indemnifying Party is responsible under this Section and to cooperate in every reasonable way to facilitate defense or settlement of claims.
- 11.6. The indemnifying Party shall have complete control over defense of the case and over the terms of any proposed settlement or compromise thereof. The indemnifying Party shall not be liable under this Section for settlement by the indemnified Party of any claim, lawsuit, or demand, if the indemnifying Party has not approved the settlement in advance, unless the indemnifying Party has had the defense of the claim, lawsuit, or demand tendered to it in writing and has failed to promptly assume such defense. In the event of such failure to assume defense, the indemnifying Party shall be liable for any reasonable settlement made by the indemnified Party without approval of the indemnifying Party.
- 11.7. When the lines or services of other companies and CLECs are used in establishing connections to and/or from points not reached by a Party's lines, neither Party shall be liable for any act or omission of the other companies or carriers.
- 11.8. In addition to its indemnity obligations hereunder, each Party shall, to the extent allowed by law or Commission Order, provide, in its tariffs and contracts with its subscribers that relate to any Telecommunications Services provided or contemplated under this Agreement, that in no case shall such Party or any of its agents, contractors or others retained by such Party be liable to any subscriber or third party for

11.8.1. any loss relating to or arising out of this Agreement, whether in contract or tort, that exceeds the amount such Party would have charged the applicable subscriber for the service(s) or function(s) that gave rise to such loss, and

11.8.2. Consequential Damages (as defined in Section 10 above).

## **12. BRANDING**

- 12.1. TWTC shall provide the exclusive interface to TWTC subscribers, except as TWTC shall otherwise specify for the reporting of trouble or other matters identified by TWTC for which Sprint may directly communicate with TWTC subscribers. In those instances where TWTC requests that Sprint personnel interface with TWTC subscribers, such Sprint personnel shall inform TWTC subscribers that they are representing TWTC, or such brand as TWTC may specify.
- 12.2. Other business materials furnished by Sprint to TWTC subscribers shall bear no corporate name, logo, trademark or tradename.
- 12.3. Except as specifically permitted by a Party, in no event shall either Party provide information to the other Party's subscribers about the other Party or the other Party's products or services.
- 12.4. Sprint shall share pertinent details of Sprint's training approaches related to branding with TWTC to be used by Sprint to assure that Sprint meets the branding requirements agreed to by the Parties.
- 12.5. This Section 12 shall not confer on either Party any rights to the service marks, trademarks and/or trade names owned by or used in connection with services by the other Party, except as expressly permitted in writing by the other Party.

## **13. REMEDIES**

- 13.1. Except as otherwise provided herein, all rights of termination, cancellation or other remedies prescribed in this Agreement, or otherwise available, are cumulative and are not intended to be exclusive of other remedies to which the injured Party may be entitled in case of any breach or threatened breach by the other Party of any provision of this Agreement, and use of one or more remedies shall not bar use of any other remedy for the purpose of enforcing the provisions of this Agreement.

## **14. CONFIDENTIALITY AND PUBLICITY**

- 14.1. All information which is disclosed by one Party ("Disclosing Party") to the other ("Recipient") in connection with this Agreement, or acquired in the course of performance of this Agreement, shall be deemed confidential and proprietary to the Disclosing Party and subject to this Agreement, such information including but not limited to, orders for services, usage information in any form, and CPNI

as that term is defined by the Act and the rules and regulations of the FCC (“Confidential and/or Proprietary Information”).

- 14.2. As to Confidential and/or Proprietary Information, during the term of this Agreement, and for a period of one (1) year thereafter, Recipient shall
  - 14.2.1. use it only for the purpose of performing under this Agreement,
  - 14.2.2. hold it in confidence and disclose it only to employees or agents who have a need to know it in order to perform under this Agreement, and
  - 14.2.3. safeguard it from unauthorized use or Disclosure using at least the degree of care with which Recipient safeguards its own Confidential and/or Proprietary Information, but in no event less than a reasonable degree of care.
- 14.3. Recipient shall have no obligation to safeguard Confidential and/or Proprietary Information
  - 14.3.1. which was in the Recipient’s possession free of restriction prior to its receipt from Disclosing Party,
  - 14.3.2. which becomes publicly known or available through no breach of this Agreement by Recipient,
  - 14.3.3. which is rightfully acquired by Recipient free of restrictions on its Disclosure, or
  - 14.3.4. which is independently developed by personnel of Recipient to whom the Disclosing Party’s Confidential Information had not been previously disclosed.
- 14.4. Recipient may disclose Confidential and/or Proprietary Information if required by law, a court, or governmental agency, provided that Disclosing Party has been notified of the requirement promptly after Recipient becomes aware of the requirement, and provided that Recipient undertakes all lawful measures to avoid disclosing such information until Disclosing Party has had reasonable time to obtain a protective order. Recipient agrees to comply with any protective order that covers the Confidential and/or Proprietary Information to be disclosed.
- 14.5. Each Party agrees that in the event of a breach of this Section 14 by Recipient or its representatives, Disclosing Party shall be entitled to equitable relief, including injunctive relief and specific performance. Such remedies shall not be exclusive, but shall be in addition to all other remedies available at law or in equity.
- 14.6. Unless otherwise agreed, neither Party shall publish or use the other Party's logo, trademark, service mark, name, language, pictures, symbols or words from which the other Party's name may reasonably be inferred or implied in any product, service, advertisement, promotion, or any other publicity matter, except that nothing in this paragraph shall prohibit a Party from engaging in valid comparative advertising. This Section 14.6 shall confer no rights on a Party to the

service marks, trademarks and trade names owned or used in connection with services by the other Party or its Affiliates, except as expressly permitted by the other Party.

- 14.7. Neither Party shall produce, publish, or distribute any press release nor other publicity referring to the other Party or its Affiliates, or referring to this Agreement, without the prior written approval of the other Party. Each party shall obtain the other Party's prior approval before discussing this Agreement in any press or media interviews. In no event shall either Party mischaracterize the contents of this Agreement in any public statement or in any representation to a governmental entity or member thereof.
- 14.8. Except as otherwise expressly provided in Section 14, nothing herein shall be construed as limiting the rights of either Party with respect to its customer information under any applicable law, including without limitation Section 222 of the Act.

## **15. DISCLAIMER OF WARRANTIES**

- 15.1. EXCEPT AS SPECIFICALLY PROVIDED ELSEWHERE IN THIS AGREEMENT TO THE CONTRARY, NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, FUNCTIONALITY OR CHARACTERISTICS OF THE SERVICES PROVIDED PURSUANT TO THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. NO REPRESENTATION OR STATEMENT MADE BY EITHER PARTY OR ANY OF ITS AGENTS OR EMPLOYEES, ORAL OR WRITTEN, INCLUDING, BUT NOT LIMITED TO, ANY SPECIFICATIONS, DESCRIPTIONS OR STATEMENTS PROVIDED OR MADE SHALL BE BINDING UPON EITHER PARTY AS A WARRANTY.

## **16. ASSIGNMENT AND SUBCONTRACT**

- 16.1. Either Party may assign its right, title and interest to this Agreement to an Affiliate responsible for the business operations subject to this Agreement, or any entity succeeding a Party by sale, merger, acquisition or a purchase of substantially all of the assets or equity of the assigning Party without the consent of the other Party. Such assignment shall be contingent upon the assignee's express written agreement to assume the duties, liabilities and obligations of the assigning Party. Thereafter, the successor Party shall be substituted for the original Party and, the original Party shall be relieved of any and all duties, liabilities and obligations, except for those which accrued prior to the effective date of the assignment.
- 16.2. Except as provided in Section 16.1, any assignment of this Agreement or of the work to be performed, in whole or in part, or of any other interest of a Party hereunder, without the other Party's written consent, which consent shall not be

unreasonably withheld or delayed, shall be void.

**17. GOVERNING LAW**

17.1. This Agreement shall be governed by and construed in accordance with the Act, the FCC's Rules and Regulations and orders of the Commission, except insofar as state law may control any aspect of this Agreement, in which case the domestic laws of the Commission's state, without regard to its conflicts of laws principles, shall govern.

**18. RELATIONSHIP OF PARTIES**

18.1. It is the intention of the Parties that each Party shall be an independent contractor and nothing contained herein shall constitute the Parties as joint venturers, partners, employees or agents of one another, and neither Party shall have the right or power to bind or obligate the other.

**19. NO THIRD PARTY BENEFICIARIES**

19.1. The provisions of this Agreement are for the benefit of the Parties hereto and not for any other person, and this Agreement shall not provide any person not a party hereto with any remedy, claim, liability, reimbursement, right of action, or other right in excess of those existing without reference hereto. This shall not be construed to prevent Carrier from providing its Telecommunications Services to other carriers.

**20. NOTICES**

20.1. Except as otherwise provided herein, all notices or other communication hereunder shall be deemed to have been duly given when made in writing and delivered in person or deposited in the United States mail, certified mail, postage prepaid, return receipt requested and addressed as follows:

If to Sprint: Director  
Local Carrier Markets  
Sprint  
6480 Sprint Parkway  
KSOPHM0310-3A453  
Overland Park, KS 66251

If to Tina Davis  
TWTC: VP, Deputy General Counsel  
Time Warner Telecom  
Park Ridge One,  
10475 Park Meadows Drive, 4th Flr.  
Littleton, CO 80124

with a Regional Director  
copy to: Sprint  
900 Springmill Rd.  
Mansfield, OH 44906

With a Carolyn Marek  
Copy VP, Regulatory Affairs & Policy  
to: Time Warner Telecom  
233 Bramerton Court  
Franklin, TN 37069

20.2. Unless otherwise specifically provided in this Agreement, notice by mail shall be effective on the date it is actually received as may be evidenced by a return receipt or equivalent and notice by recognized overnight delivery service is effective when received as evidenced by a signed delivery receipt. If, however, notice is rejected by the recipient Party, the notice shall be presumed received on the date of rejection, or if notice is otherwise undeliverable, the notice shall be presumed received on the date of attempted delivery, in either event as evidenced by a return receipt or the equivalent. The address to which notices or communications may be given to either Party may be changed by written notice given by such Party to the other pursuant to this Section 20.

## **21. WAIVERS**

- 21.1. No waiver of any provisions of this Agreement and no consent to any default under this Agreement shall be effective unless the same shall be in writing and properly executed by or on behalf of the Party against whom such waiver or consent is claimed.
- 21.2. No course of dealing or failure of any Party to strictly enforce any term, right, or condition of this Agreement in any instance shall be construed as a general waiver or relinquishment of such term, right or condition.
- 21.3. Waiver by either Party of any default by the other Party shall not be deemed a waiver of any other default.

## **22. SURVIVAL**

- 22.1. Termination of this Agreement, or any part hereof, for any cause shall not release either Party from any liability which at the time of termination had already accrued to the other Party or which thereafter accrues in any respect to any act or omission occurring prior to the termination or from an obligation which is expressly stated in this Agreement to survive termination including but not limited to Sections 7, 8, 9, 10, 11, 14, 19, 21, and 24.

## **23. FORCE MAJEURE**

- 23.1. Neither Party shall be held liable for any delay or failure in performance of any part of this Agreement from any cause beyond its control and without its fault or negligence, such as acts of God, acts of civil or military authority, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, power blackouts, strikes, work stoppage affecting a supplier or unusually severe weather. No delay or other failure to perform shall be excused pursuant to this Section 23 unless delay or failure and consequences thereof are beyond the control and without the fault or negligence of the Party claiming excusable delay or other failure to perform. In the event of any such excused delay in the performance of a Party's obligation(s) under this Agreement, the due date for the performance of the original obligation(s) shall be extended by a term equal to the time lost by reason of the delay. In the event of such delay,



the delayed Party shall perform its obligations at a performance level no less than that which it uses for its own operations. In the event of such performance delay or failure by Sprint, Sprint agrees to resume performance in a nondiscriminatory manner and not favor its own provision of Telecommunications Services above that of TWTC.

## **24. DISPUTE RESOLUTION**

- 24.1. The Parties recognize and agree that the Commission has continuing jurisdiction to implement and enforce all terms and conditions of this Agreement. Accordingly, the Parties agree that any dispute arising out of or relating to this Agreement that the Parties themselves cannot resolve may be submitted to the Commission for resolution. If the Parties are unable to resolve the dispute, the Parties agree to seek expedited resolution by the Commission, and shall request that resolution occur in no event later than sixty (60) Days from the date of submission of such dispute. If the Commission appoints an expert(s) or other facilitator(s) to assist in its decision making, each Party shall pay half of the fees and expenses so incurred. During the Commission proceeding each Party shall continue to perform its obligations under this Agreement provided, however, that neither Party shall be required to act in any unlawful fashion. This provision shall not preclude the Parties from seeking relief available in any other forum.
- 24.2. If any matter is subject to a bona fide dispute between the Parties, the disputing Party shall within thirty (30) Days of the event giving rise to the dispute, give written notice to the other Party of the dispute and include in such notice the specific details and reasons for disputing each item.
- 24.3. If the Parties are unable to resolve the issues related to the dispute in the normal course of business within thirty (30) Days after delivery of notice of the Dispute, to the other Party, the dispute shall be escalated to a designated representative who has authority to settle the dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the dispute and negotiate in good faith in an effort to resolve such dispute, but in no event shall such resolution exceed sixty (60) Days from the initial notice. The specific format for such discussions will be left to the discretion of the designated representatives, provided, however, that all reasonable requests for relevant information made by one Party to the other Party shall be honored.
- 24.4. After such period, or at any earlier time that the negotiations have reached an impasse, either Party may file a complaint with the FCC or the Commission.

## **25. COOPERATION ON FRAUD**

- 25.1. The Parties agree that they shall cooperate with one another to investigate, minimize and take corrective action in cases of fraud. The Parties' fraud

minimization procedures are to be cost effective and implemented so as not to unduly burden or harm one party as compared to the other.

## **26. TAXES**

- 26.1. Definition. For purposes of this Section, the terms “taxes” and “fees” shall include but not be limited to federal, state or local sales, use, excise, gross receipts or other taxes or tax-like fees of whatever nature and however designated that are required by Applicable Law to be collected from the Purchasing Party by the Providing Party imposed, or sought to be imposed, on or with respect to the services furnished hereunder or measured by the charges or payments. The terms “taxes” and “fees” shall not include any tax or fee on either party's corporate existence, status, or income, corporate property taxes, payroll taxes, or franchise fees or any other fee for the use of the public rights of way.
- 26.2. Taxes and Fees Imposed Directly On Either Providing Party or Purchasing Party.
- 26.2.1. Taxes and fees imposed on the providing Party, which are not required to be passed on by the providing Party to its customer, shall be borne and paid by the providing Party.
- 26.2.2. Taxes and fees imposed on the purchasing Party, which are not required to be collected and/or remitted by the providing Party, shall be borne and paid by the purchasing Party.
- 26.3. Taxes and Fees Imposed on Purchasing Party But Collected And Remitted By Providing Party.
- 26.3.1. Taxes and fees imposed on the purchasing Party shall be borne by the purchasing Party, even if the obligation to collect and/or remit such taxes or fees is placed on the providing Party.
- 26.3.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. If the providing Party fails to bill any tax or fee as required herein, then, as between the providing Party and the purchasing Party, the purchasing Party shall remain liable for such uncollected tax or fee subject to any back billing provisions as limited by providing Party's state statute of limitations for assessing such taxes and the providing Party shall be liable for any penalty and interest assessed with respect to such uncollected tax or fee by such authority. However if the purchasing Party fails to pay any such tax or fee properly billed, then, as between the providing Party and the purchasing Party, the purchasing Party will be solely responsible for payment of the tax or fee and penalties and interest.
- 26.3.3. If the purchasing Party determines that in its opinion any such taxes or fees are not payable, the providing Party shall not bill such taxes or fees to the purchasing Party if the purchasing Party provides written

certification, reasonably satisfactory to the providing Party, stating that it is exempt or otherwise not subject to the tax or fee, setting forth the basis thereof, and satisfying any other requirements under applicable law. If any authority seeks to collect any such tax or fee that the purchasing Party has determined and certified not to be payable, the purchasing Party may contest the same in good faith, at its own expense. The Parties agree that they will cooperate with each other and coordinate their mutual efforts concerning audits, other such inquiries, filings, reports, etc., as may be related solely to the activities or transactions arising from or under this Agreement, which may be required or initiated from or by any duly authorized governmental taxing authority.

- 26.3.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.
- 26.3.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority and the providing Party previously billed these amounts, the purchasing Party shall pay such additional amount, including any interest and penalties thereon. However, if the providing Party fails to bill any tax or fee as required herein, then, as between the providing Party and the purchasing Party, the purchasing Party shall remain liable for such uncollected tax or fee subject to any back billing provisions as limited by providing Party's state statute of limitations for assessing such taxes and the providing Party shall be liable for any penalty and interest assessed with respect to such uncollected tax or fee by such authority.
- 26.3.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other charges or payable expenses (including reasonable attorney fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee where such claim or contest was initiated by the purchasing Party.
- 26.3.7. Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) Days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) Days after receipt of such assessment, proposed assessment or claim.

#### 26.4. Taxes and Fees Imposed on Providing Party But Passed On To Purchasing Party.

- 26.4.1. Taxes and fees imposed on the providing Party, which are required to be passed on by the providing Party to its customer, shall be borne by the purchasing Party.
- 26.4.2. To the extent permitted by applicable law, any such taxes and/or fees shall be shown as separate items on applicable billing documents between the Parties. If the providing Party fails to bill or collect any tax or fee as required herein, then, as between the providing Party and the purchasing Party, the purchasing Party shall remain liable for such uncollected tax or fee subject to any back billing provisions as limited by providing Party's state statute of limitations for assessing such taxes and the providing Party shall be liable for any penalty and interest assessed with respect to such uncollected tax or fee by such authority. However if the purchasing Party fails to pay any such tax or fee properly billed, then, as between the providing Party and the purchasing Party, the purchasing Party will be solely responsible for payment of the tax or fee and penalties and interest.
- 26.4.3. If the purchasing Party disagrees with the providing Party's determination as to the application or basis for any such tax or fee, the Parties shall consult with respect to the imposition and billing of such tax or fee. Notwithstanding the foregoing, the providing Party shall retain ultimate responsibility for determining whether and to what extent any such taxes or fees are applicable, and the purchasing Party shall abide by such determination and pay such taxes or fees to the providing Party. The providing Party shall further retain ultimate responsibility for determining whether and how to contest the imposition of such taxes and fees; provided, however, that any such contest undertaken at the request of the purchasing Party shall be at the purchasing Party's expense.
- 26.4.4. In the event that all or any portion of an amount sought to be collected must be paid in order to contest the imposition of any such tax or fee, or to avoid the existence of a lien on the assets of the providing Party during the pendency of such contest, the purchasing Party shall be responsible for such payment and shall be entitled to the benefit of any refund or recovery.
- 26.4.5. If it is ultimately determined that any additional amount of such a tax or fee is due to the imposing authority, the purchasing Party shall pay such additional amount, including any interest and penalties thereon.
- 26.4.6. Notwithstanding any provision to the contrary, the purchasing Party shall protect, indemnify and hold harmless (and defend at the purchasing Party's expense) the providing Party from and against any such tax or fee, interest or penalties thereon, or other reasonable charges or payable expenses (including reasonable attorneys' fees) with respect thereto, which are incurred by the providing Party in connection with any claim for or contest of any such tax or fee where such claim was initiated by

the purchasing Party.

- 26.4.7. Each Party shall notify the other Party in writing of any assessment, proposed assessment or other claim for any additional amount of such a tax or fee by a taxing authority; such notice to be provided, if possible, at least ten (10) Days prior to the date by which a response, protest or other appeal must be filed, but in no event later than thirty (30) Days after receipt of such assessment, proposed assessment or claim.
- 26.5. Mutual Cooperation. In any contest of a tax or fee by one Party, the other Party shall cooperate fully by providing records, testimony and such additional information or assistance as may reasonably be necessary to pursue the contest. Further, the other Party shall be reimbursed for any reasonable and necessary out-of-pocket copying and travel expenses incurred in assisting in such contest.
- 26.6. To the extent a sale is claimed to be for the resale and thus subject to tax exemption, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation of the jurisdiction providing said resale tax exemption. If Applicable Law excludes or exempts a purchase of services under this Agreement from a Tax, but does not also provide an exemption procedure, then the providing Party will not collect such Tax if the purchasing Party furnishes the providing Party with a letter signed by an officer of the purchasing Party, reasonably satisfactory to the providing Party, claiming an exemption and identifying the Applicable Law that both allows such exemption and does not require an exemption certificate.
- 26.7. New Taxes, Fees or Other Charges. Notwithstanding any other provision of this agreement, the providing party expressly reserves the right and the option, and the purchasing party expressly acknowledges and agrees that the providing party has the right and option, to charge and collect from the purchasing party, any or all taxes, fees or other charges that are imposed upon the providing party, or that are imposed upon the purchasing party but required to be collected by the providing party, by any federal, state or local jurisdiction from the date of this agreement forward.

## **27. AMENDMENTS AND MODIFICATIONS**

- 27.1. No provision of this Agreement shall be deemed waived, amended or modified by either Party unless such a waiver, amendment or modification is in writing, dated, and signed by both Parties.

## **28. SEVERABILITY**

- 28.1. Subject to Section 4.2, if any part of this Agreement is held to be invalid, void or unenforceable for any reason, such invalidity will affect only the portion of this Agreement which is invalid. In all other respects this Agreement will stand as if such invalid provision had not been a part thereof, and the remainder of the Agreement shall remain in full force and effect and shall in no way be affected,

impaired or invalidated thereby.

## **29. HEADINGS NOT CONTROLLING**

29.1. The headings and numbering of Sections and Parts in this Agreement are for convenience only and shall not be construed to define or limit any of the terms herein or affect the meaning or interpretation of this Agreement.

## **30. ENTIRE AGREEMENT**

30.1. This Agreement, including all Parts and subordinate documents attached hereto or referenced herein, all of which are hereby incorporated by reference herein, subject only to the terms of any applicable tariff on file with the state Commission or the FCC, constitute the entire matter thereof, and supersede all prior oral or written agreements, representations, statements, negotiations, understandings, proposals, and undertakings with respect to the subject matter thereof.

## **31. SUCCESSORS AND ASSIGNS**

31.1. Subject to the terms of this Agreement, Sprint and TWTC agree this Agreement shall be binding upon, and inure to the benefit of, the Parties hereto and their respective successors and permitted assigns.

## **32. IMPLEMENTATION PLAN**

32.1. Implementation Team. This Agreement sets forth the overall standards of performance for the services, processes, and systems capabilities that the Parties will provide to each other, and the intervals at which those services, processes and capabilities will be provided. The Parties understand that the arrangements and provision of services described in this Agreement shall require technical and operational coordination between the Parties. Accordingly, the Parties agree to form a team (the "Implementation Team") which shall develop and identify those processes, guidelines, specifications, standards and additional terms and conditions necessary to support and satisfy the standards set forth in this Agreement and implement each Party's obligations hereunder.

32.2. Dispute Resolution. If the Implementation Team is unable to agree upon any of the matters to be included in the Implementation Plan, then either Party may invoke the procedures set forth in Part A, Section 24.

## **33. FEDERAL JURISDICTIONAL AREAS**

33.1. Article 1, Section 8, Clause 17 of the United States Constitution provides the authority to Congress to exercise exclusive jurisdiction over areas and structures used for military purposes (Federal Enclaves). Thus, Telecommunications Services to such Federal Enclaves are not subject to the jurisdiction of the Commission. The Parties agree that Services provided within Federal Enclaves are not within the scope of this Agreement. To the extent Sprint has contracts

with federal entities that limit or prohibit the ability of TWTC to provide resale or UNEs such contract will govern Telecommunications Services on such Federal Enclave. If the contract with the federal entity provides for the resale or provision of UNEs to provide service on the Federal Enclave, Sprint will provide TWTC with the information regarding the provision of service on the Federal Enclave.

## **PART C - GENERAL PRINCIPLES**

### **34. USE OF FACILITIES**

- 34.1. In situations where TWTC has the use of the facilities (i.e., local loop) to a specific customer premise, either through resale of local service or the lease of the local loop as an Unbundled Network Element, and Sprint receives a good faith request for service from a customer at the same premise, the following will apply:
- 34.1.1. Sprint shall notify TWTC by phone through the designated TWTC contact and via fax that it has had a request for service at the premise location that is currently being served by TWTC;
  - 34.1.2. If available to Sprint, Sprint shall include the name and address of the party receiving service at such locations, but at a minimum shall provide local service address location information;
  - 34.1.3. So long as Sprint follows the methods prescribed by the FCC for carrier change verification with the customer at the premises involved, Sprint shall be free to use the facilities in question upon the expiration of 24 hours following the initial phone notification from Sprint to TWTC and Sprint shall issue a disconnect order with respect to TWTC service at that location.

### **35. PRICE SCHEDULE**

- 35.1. All prices under this Agreement are set forth in Table One of this Part C.
- 35.2. Subject to the provisions of Part B, Section 4 of this Agreement, all rates provided under this Agreement shall remain in effect for the term of this Agreement.

### **36. LOCAL SERVICE RESALE**

- 36.1. The rates that TWTC shall pay to Sprint for Local Resale are as set forth in Table One of this Part and shall be applied consistent with the provisions of Part D of this Agreement.

### **37. INTERCONNECTION AND RECIPROCAL COMPENSATION**

- 37.1. Local Traffic will be compensated at the contract rate set forth in Part C, Table One. ISP-Bound Traffic will be compensated at the rates established by the FCC as set forth in Part C, Table One. The rates shall be applied consistent with the provisions of Part F of this Agreement.
- 37.1.1. Traffic delivered to a Party that exceeds a 3:1 ratio of terminating to originating traffic is presumed to be ISP-Bound Traffic. This presumption may be rebutted by either Party consistent with the provisions of the FCC's *Order on Remand and Report and Order*, FCC 01-131, CC Dockets No. 96-98 and 99-68, adopted April 18, 2001 (the



“ISP Compensation Order”).

37.1.1.1. Compensation for ISP-Bound Traffic is subject to the growth cap. The growth cap will be applied as follows.

37.1.1.1.1. For the purposes of establishing a baseline for compensation for ISP-bound Traffic, the Parties shall use, on an annualized basis, the number of ISP-bound minutes for which TWTC was compensated during the first quarter of 2001, plus a ten percent growth factor.

37.1.1.1.2. In 2002, Sprint will compensate TWTC for ISP-Bound Traffic up to a ceiling of the number of ISP-bound minutes calculated as a baseline in the preceding subsection, plus a ten percent growth factor.

37.1.1.1.3. In 2003, Sprint will compensate TWTC for ISP-Bound Traffic up to the number of ISP-bound minutes for which TWTC was compensated during 2002.

37.2. Intentionally Left Blank

37.3. Compensation for the termination of toll traffic and the origination of 8yy traffic between the interconnecting parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations and consistent with the provisions of Part F of this Agreement. A call placed on a non-local basis (e.g., a toll call or 8yy call) to an ISP customer of either Party shall not be treated as an ISP-Bound Traffic for compensation purposes, but instead shall be treated as a conventional voice call.

37.4. For calls terminated to end users outside the local calling area in which their NPA/NXXs are homed, Sprint shall be obligated to pay reciprocal compensation for such traffic. However, if the traffic is transported over the Sprint network, TWTC shall compensate Sprint at cost-based rates (i.e., TELRIC) for the use of its transport facilities to the Physical POI for Sprint originated traffic.

37.5. Voice calls that are originated and terminated by telephone but are transmitted via the internet network (VoIP) shall be compensated in the same manner as voice traffic.

37.6. INP is available in all Sprint service areas where LNP is not available. Once LNP is available, all INP arrangements will be converted to LNP. Where INP is available and a toll call is completed through Sprint’s INP arrangement (e.g., remote call forwarding) to TWTC’s subscriber, TWTC shall be entitled to applicable access charges in accordance with the FCC and Commission Rules and Regulations. If a national standard billing method has not been developed for a

TWTC to directly bill a carrier access for a toll call that has been completed using interim number portability, then the INP Rate specific to Access Settlements in this Part C will be used.

37.6.1. The ported party shall charge the porting party on a per line basis using the INP Rate specific to Access Settlements in lieu of any other compensation charges for terminating such traffic. The traffic that is not identified as subject to INP will be compensated as local interconnection as set forth in Section 37.1.

37.7. TWTC shall pay a transit rate, comprised of the transport and tandem rate elements, as set forth in Part C, Table One of this Part when TWTC uses a Sprint access tandem to terminate a local call to a third party LEC or another CLEC. Sprint shall pay TWTC a transit rate equal to the Sprint rate referenced above when Sprint uses a TWTC switch to terminate a local call to a third party LEC or another CLEC.

37.8. TWTC will identify the Percent Local Usage (PLU) factor on each interconnection order to identify its "Local Traffic," as defined herein, for reciprocal compensation purposes. Sprint will provide TWTC a PLU factor to identify its Local Traffic for reciprocal compensation purposes. Either Party may request traffic study documentation of the PLU at any time to verify the factor, and may compare the documentation to studies developed by the requesting Party. Should the documentation indicate that the factor should be changed, the Parties agree that any changes will be retroactive to traffic for the previous two years. Should the documentation indicate it is warranted such change in the factor may be back to the effective date of the Agreement. For non-local traffic, the Parties agree to exchange traffic and compensate one another based on the rates and elements included in each Party's access tariffs. The Parties will transmit calling party number (CPN) as required by FCC rules (47 C.F.R. 64.1601).

37.8.1. To the extent technically feasible, each Party will transmit calling party number (CPN) for each call being terminated on the other's network. If the percentage of calls transmitted with CPN is greater than 90%, all calls exchanged without CPN will be billed as local or intrastate in proportion to the MOUs of calls exchanged with CPN. If the percentage of calls transmitted with CPN is less than 90%, all calls transmitted without CPN will be billed as intraLATA toll traffic.

### **38. UNBUNDLED NETWORK ELEMENTS**

38.1. The charges that TWTC shall pay to Sprint for Unbundled Network Elements are set forth in Part C, Table One of this Part C. The rates provided under the Agreement are in accordance with the Applicable Rules, including such Commission order(s) that result from a docket relating specifically to Sprint's costing/pricing.

### **39. SECURITY DEPOSIT**

- 39.1. Sprint reserves the right to secure the account with a suitable form of security deposit, unless satisfactory credit has already been established through twelve (12) consecutive months of current payments for carrier services to Sprint and all ILEC affiliates of Sprint.
- 39.2. Such security deposit shall take the form of cash or cash equivalent, an irrevocable letter of credit or other forms of security acceptable to Sprint.
- 39.3. If a security deposit is required on a new account, such security deposit shall be made prior to inauguration of service. If the deposit relates to an existing account, the security deposit will be made prior to acceptance by Sprint of additional orders for service subject to thirty (30) Days notice.
- 39.4. Such security deposit shall be two (2) months' estimated billings as calculated by Sprint, or twice the most recent month's invoices from Sprint for existing accounts. All security deposits will be subject to a minimum deposit level of \$10,000.
- 39.5. The fact that a security deposit has been made in no way relieves TWTC from complying with Sprint's regulations as to advance payments and the prompt payment of bills on presentation, nor does it constitute a waiver or modification of the regular practices of Sprint providing for the discontinuance of service for non-payment of any sums due Sprint.
- 39.6. Sprint reserves the right to increase the security deposit requirements when, in Sprint's reasonable judgment, changes in TWTC's financial status so warrant and/or gross monthly billing has increased beyond the level initially used to determine the security deposit.
- 39.7. Any security deposit shall be held by Sprint as a guarantee of payment of any charges for carrier services billed to TWTC, provided, however, Sprint may exercise its right to credit any cash deposit to TWTC's account, or to demand payment from the issuing bank or bonding company of any irrevocable bank letter of credit, upon the occurrence of any one of the following events:
  - 39.7.1. when TWTC undisputed balances due to Sprint that are more than sixty (60) Days past due; or
  - 39.7.2. when TWTC files for protection under the bankruptcy laws; or
  - 39.7.3. when an involuntary petition in bankruptcy is filed against TWTC and is not dismissed within sixty (60) Days.
- 39.8. Any security deposit may be held during the continuance of the service as security for the payment of any and all amounts accruing for the service. Interest on a security deposit, if provided in cash, shall accrue and be paid in accordance with the terms of Sprint's FCC Tariff No. 1. Sprint will return the security deposit to TWTC, plus accrued interest if applicable, after TWTC has established a consecutive twelve (12) month history of prompt payment and provided that a new credit analysis indicates that TWTC is no longer a credit risk, or upon the

termination of this Agreement, provided there are no unpaid, undisputed balances, including any post termination period, whichever is earlier. Notwithstanding the foregoing, in the event Sprint is holding a security deposit under this Agreement at the time the Parties enter into a subsequent agreement containing a provision for deposits, Sprint may continue to hold the deposit under the subsequent agreement to the extent permitted in such subsequent agreement.

Table One

DESCRIPTION			
<b>RESALE DISCOUNTS</b>			
Other than Operator / DA		19.40%	
Op Assist / DA		12.10%	
<b>USAGE FILE CHARGES</b>			
Message Provisioning, per message		\$0.0050	
Data Transmission, per message		\$0.002	
Media Charge - per CD		\$15.00	
<b>OTHER CHARGES</b>			
Temporary Suspension of Service for UNE-P/Resale - <b>SUSPEND</b>		\$17.50	
Temporary Suspension of Service for UNE-P/Resale - <b>RESTORE</b>		\$0.00	
PIC Change Charge per change		\$5.00	
Operator Assistance / Directory Assistance Branding		ICB	
<b>UNE LOOP, TAG &amp; LABEL/RESALE TAG &amp; LABEL</b>			
Tag and Label on a new install loop or resale		\$9.44	
Tag and Label on a reinstall loop or an existing loop or resale		\$3.78	
Tag and Label on an add'l loop or resale on the same order at the same location		\$4.72	
Trip Charge		\$18.88	
<b>RATE ELEMENT</b>		<b>RECURRING RATE</b>	<b>NRC</b>
<b>SERVICE ORDER / INSTALLATION / REPAIR</b>			
Manual Service Order NRC			\$28.10
Manual Service Order - Listing Only			\$14.81
Manual Service Order - Change Only			\$13.76
Electronic Service Order (IRES)			\$3.82
Electronic Service Order - Listing Only			\$0.42
Electronic Service Order - Change Only			\$1.66
Trip Charge			\$18.88
2-Wire Loop Cooperative Testing			\$46.71
4-Wire Loop Cooperative Testing			\$66.99
Trouble Isolation Charge			\$48.47
Temporary Suspension of Service for UNE-P/Resale - <b>SUSPEND</b>			\$17.50
Temporary Suspension of Service for UNE-P/Resale - <b>RESTORE</b>			\$0.00
PIC Change Charge (per change)			\$5.00
INP Admin Charge			\$8.11
LNP Coordinated Conversion - Lines 1-10			\$47.33
LNP Coordinated Conversion - each additional line			\$4.24
LNP Conversion - 10-Digit Trigger			\$0.00
<b>Special Access to UNE Conversions</b>			
DS1 Loop			\$81.10
EEL - DS1 Transport and Loop			\$81.10
<b>UNBUNDLED NETWORK ELEMENTS (UNE)</b>			
<b>NID</b>		<b>RECURRING RATE</b>	<b>NRC</b>
2-Wire		\$0.82	
4-Wire		\$1.64	

SmartJack	\$7.60	\$56.65
<b>PRE-ORDER LOOP QUALIFICATION</b>	<b>RECURRING RATE</b>	<b>NRC</b>
<b>Loop Make-Up Information</b>		\$28.20
<b>LOOPS</b>	<b>RECURRING RATE</b>	<b>NRC</b>
<b>2-Wire Analog</b>		
Band 1	\$10.82	
Band 2	\$17.63	
Band 3	\$24.69	
Band 4	\$45.40	
First Line		\$111.24
Second Line and Each Additional Line (same time)		\$52.73
Re-install (Cut Thru and Dedicated/Vacant)		\$65.81
Disconnect		\$31.75
<b>4-Wire Analog</b>		
Band 1	\$20.86	
Band 2	\$34.00	
Band 3	\$47.60	
Band 4	\$87.54	
First Line		\$144.33
Second Line and Each Additional Line (same time)		\$85.82
Re-install (Cut Thru and Dedicated/Vacant)		\$81.70
Disconnect		\$36.47
<b>2-Wire Loop (incl. xDSL-capable)</b>		
Band 1	\$10.82	
Band 2	\$17.63	
Band 3	\$24.69	
Band 4	\$45.40	
First Line		\$115.31
Second Line and Each Additional Line (same time)		\$48.30
Re-install (Cut Thru and Dedicated/Vacant)		\$63.55
Disconnect		\$31.75
<b>2-Wire Digital Loop</b>		
Band 1	\$10.82	
Band 2	\$17.63	
Band 3	\$24.69	
Band 4	\$45.40	
First Line		\$169.14
Second Line and Each Additional Line (same time)		\$108.10
Disconnect		\$31.75
<b>Digital 56k/64k Loop</b>		
Band 1	\$19.00	
Band 2	\$30.97	
Band 3	\$43.36	
Band 4	\$79.75	
First Line		\$169.14
Second Line and Each Additional Line (same time)		\$108.10
Disconnect		\$31.75
<b>4 Wire Digital Loop (DS1 Service and PRI)</b>		

Band 1	\$86.90	
Band 2	\$141.64	
Band 3	\$198.29	
Band 4	\$364.70	
First Line		\$325.88
Second Line and Each Additional Line (same time)		\$177.61
Disconnect		\$36.47
<b>HIGH-CAPACITY LOOPS</b>		
	<b>RECURRING RATE</b>	<b>NRC</b>
Add DS3 to existing fiber system, only available via a BFR	\$1,286.78	\$109.19
Add OC3, OC12, OC48 to existing fiber system, only available via a BFR	BFR	BFR
<b>LINE SHARING</b>		
	<b>RECURRING RATE</b>	<b>NRC</b>
<b>Additional charges associated with Line Sharing, including collocation cabling and splitter shelf rates, are found on the CLEC's Collocation Price Sheet. If this is an amendment to an existing Interconnection and Resale agreement, the prices for line sharing will remain the same as those in the underlying agreement.</b>		
OSS Cost per Shared Line	\$0.83	
Line Sharing - 3 Jumper Configuration		\$34.07
Line Sharing - 4 Jumper Configuration		\$44.56
Convert UNE Digital Loop to Line Share Not Coordinated		\$18.66
Convert UNE Loop to Line Share Coordinated during normal hours.		\$29.90
Convert UNE Digital Loop to Line Share-Coordinated after normal hours.		\$36.83
CO Interconnection Cost, First Jumper		\$14.85
CO Interconnection Cost, Additional Jumper		\$10.48
CO Interconnection Cost, Remove Jumper		\$8.74
<b>LOOP CONDITIONING</b>		
	<b>RECURRING RATE</b>	<b>NRC</b>
<b>Load Coil Removal</b> for all Digital UNE, Line Sharing and xDSL-Capable loops that are <b>less than 18,000 feet in length - per line conditioned</b> (No Engineering or Trip charges - price reflects 25 pair economies)		\$0.00
Conditioning Engineering Charge - per loop		\$39.11
Conditioning Trip Charge - per location		\$16.41
<b>Load Coil Removal: Loops 18kft or longer</b>		
Unload cable pair, per Underground location		\$445.21
Unload Addtl cable pair, UG same time, same location and cable		\$3.43
Unload cable pair, per Aerial or Buried Location		\$7.80
Unload Addtl cable pair, AE or BU, same time, location and cable		\$1.80
<b>Bridge Tap or Repeater Removal - Any Loop Length</b>		
Remove Bridged Tap or Repeater, per Underground Location		\$442.28
Remove each Addtl Bridged Tap or Repeater, UG same time, location and cable		\$0.50
Remove Bridged Tap or Repeater, per Aerial or Buried Location		\$6.43
Remove each Addtl Bridged Tap or Repeater, AE or BU same time, location and cable		\$0.44
<b>SUB LOOPS (ONLY AVAILABLE VIA A BFR)</b>		
	<b>RECURRING RATE</b>	<b>NRC</b>
Sub-Loops Interconnection (Stub Cable)		ICB
<b>2 Wire Voice Grade and Digital Data Feeder</b>		

Band 1	\$6.78	
Band 2	\$11.04	
Band 3	\$15.46	
Band 4	\$28.44	
First Line		\$88.72
Add'l or Second Line		\$42.43
Disconnect Charge		\$31.75
<b>2 Wire Voice Grade and Digital Data Distribution</b>		
Band 1	\$4.15	
Band 2	\$6.76	
Band 3	\$9.46	
Band 4	\$17.40	
First Line		\$127.65
Add'l or Second Line		\$40.65
Disconnect Charge		\$51.98
<b>4 Wire Voice Grade and Digital Data Feeder</b>		
Band 1	\$12.98	
Band 2	\$21.15	
Band 3	\$29.61	
Band 4	\$54.46	
First Line		\$122.84
Add'l or Second Line		\$66.12
Disconnect Charge		\$36.47
<b>4 Wire Voice Grade and Digital Data Distribution</b>		
Band 1	\$7.94	
Band 2	\$12.95	
Band 3	\$18.13	
Band 4	\$33.34	
First Line		\$173.06
Add'l or Second Line		\$65.20
Disconnect Charge		\$63.31
<b>UNBUNDLED LOCAL SWITCHING      RECURRING RATE      NBC</b>		
<b>Unbundled Switch Ports</b>		
POTS Analog (R1, B1)	\$2.07	
Key System - Analog	\$2.07	
CENTREX - Analog	\$2.07	
Pay Station - Analog	\$2.21	
DS1 - Only available via BFR	\$126.81	
ISDN-BRI	\$12.18	
ISDN-PRI One Way	\$183.02	\$91.66
ISDN-PRI Two Way	\$245.37	\$91.66
<b>PBX Trunk Connection Analog</b>		
PBX Trunk Connection (DS0)	\$5.28	\$167.80
PBX Trunk Connection (DS0)	\$5.28	\$264.36
PBX Trunk Connection (DS1)	\$126.91	\$349.35
<b>Local Port Switching &amp; Transport Minutes of Use (MOU) Rate Elements:</b>		
Unbundled Common Transport Rate, per MOU	\$0.000814	
Unbundled Tandem Switching Rate, per MOU	\$0.002053	



Unbundled Local Switching Rate, per MOU	\$0.002221	
<b>Customized Routing</b>		
Switch Analysis		\$119.74
Host Switch Translations		\$2,394.81
Remote Switch Translations		\$1,796.10
<b>UNE LOCAL SWITCH-BASED FEATURES</b>	<b>RECURRING RATE</b>	<b>NRC</b>
<b>Unbundled Network Element (UNE) Local Switch-based Features. These features are provided at a single rate and are in addition to the UNE Port rates. The UNE Local Switch-Based features &amp; rates listed below are also applicable when ordering UNE-P Combinations.</b>		
<b>I. Residential, single line business &amp; paystation features:</b>		
Custom Calling Features (CCF) per line	\$0.33	\$0.00
Custom Local Area Signaling Services (CLASS) per line	\$5.07	\$0.00
<b>II. 2-wire Analog Centrex features:</b>		
Centrex Feature Package (required with Centrex Port)	\$10.15	\$29.65
3 Way Conference/Consulting/Hold Transfer	\$1.63	\$18.77
Conference Calling - 6 Way Station Control	\$2.32	\$18.77
Dial Transfer to Tandem Tie Line	\$0.12	\$100.48
Direct Connect	\$0.02	\$18.77
Meet Me Conference	\$15.61	\$28.63
Multi-Hunt service	\$0.10	\$18.77
<b>III. ISDN-PRI features:</b>		
D-Channel Back Up	\$0.00	\$67.90
Network Ring Again, available with 2-Way PRI Only	\$14.28	\$376.06
Caller ID with Name & Number per PRI Interface	\$27.15	\$94.01
Call-By-Call/Integrated Service Feature, available with 2-Way PRI Only	\$2.69	\$250.71
2-B-Channel Transfer per PRI Interface	\$71.52	\$250.71
Circular Hunt per PRI Interface	\$23.84	\$250.71
National ISDN-2 Protocol per PRI Interface	\$0.00	\$250.71
E911 Call Screening per PRI Interface	\$95.36	\$282.04
<b>IV. MessageLine Services:</b>		
MessageLine Services:	per Retail rates	
<b>DEDICATED TRANSPORT</b>	<b>RECURRING RATE</b>	<b>NRC</b>
DS0	Refer to Transport Tab	\$192.85
DS1	Refer to Transport Tab	\$182.15
DS3	Refer to Transport Tab	\$192.85
OC3	Refer to Transport Tab	\$192.85
<b>MULTIPLEXING</b>	<b>RECURRING RATE</b>	<b>NRC</b>
Multiplexing - DS1-DS0	\$162.48	\$93.62
Multiplexing - DS3-DS1	\$195.77	\$119.88
Channel Bank Shelf/Common (per DS1)	\$162.48	\$93.62
Channel Bank Card (per DS0)	\$4.27	
<b>UNBUNDLED DARK FIBER</b>	<b>RECURRING RATE</b>	<b>NRC</b>
Dark Fiber Application - per quote		\$270.47
Note: These elements are calculated and billed manually using one price per USOC and COS. Detail is provided by the DFA form returned to the customer.		

<b>Transport</b>		
Interoffice, per foot per fiber - Statewide Average	\$0.0039	
<b>Loop Components</b>		
Feeder, per fiber - Statewide Average	\$235.53	
Distribution Price Per Fiber	\$47.79	
<b>Additional Charges Applicable to Transport &amp; Loop</b>		
Fiber Patch Cord per fiber	\$0.82	
Fiber Patch Panel per fiber	\$0.79	
Add'l Patch Cord Install, Field Loc., Same Time/Loc.		\$7.64
Central Office Interconnection, 1-4 Patch Cords per CO		\$193.55
Central Office Transport - Initial Installation, 1-4 Patch Cords per CO		\$193.55
Dark Fiber End-to-End Testing, Initial Strand		\$53.48
Dark Fiber End-to-End Testing, Subsequent Strand		\$15.28
Special Construction for Fiber Pigtail		ICB
<b>UNBUNDLED NETWORK ELEMENT PLATFORM (UNE-P) COMBINATIONS</b>	<b>RECURRING RATE</b>	<b>NRC</b>
<b>I. UNE-P services are combinations of UNEs provided to CLECs. UNE-P services are designed to be the functional equivalent to Sprint's comparable retail local service offerings. Refer to UNE Local Switching Feature section of price sheet for available features.</b>		
<b>II. The following UNE-P combinations are available:</b>		
<b>UNE-P 2-wire Analog B1, R1 Voice Grade (VG) combinations:</b>		
Band 1 VG Loop	\$7.87	
Band 2 VG Loop	\$14.14	
Band 3 VG Loop	\$20.62	
Band 4 VG Loop	\$39.66	
B1, R1 Port	\$2.07	
NID - 2 Wire	\$0.82	
NID - 4 Wire	\$1.64	
UNE-P 2-wire B1, R1 VG Loop - new first line		\$111.24
UNE-P 2-wire new B1, R1 VG Loop - Each additional new line ordered at same time to same location		\$52.73
UNE-P 2-wire B1, R1 VG Loop - Convert Loop		\$16.14
UNE-P 2-wire B1, R1 VG Loop - Migration to or from Resale		\$20.80
UNE-P 2-wire B1, R1 VG Loop - Disconnect Service Charge		\$5.38
<b>UNE-P 2-wire Paystation Voice Grade (VG) combinations:</b>		
Band 1 VG Loop	\$7.87	
Band 2 VG Loop	\$14.14	
Band 3 VG Loop	\$20.62	
Band 4 VG Loop	\$39.66	
Paystation Port	\$2.07	
NID - 4 Wire	\$1.64	
UNE-P 2-wire Paystation VG Loop - new first line		\$111.24
UNE-P 2-wire new Paystation VG Loop - Each additional new line ordered at same time to same location		\$52.73
UNE-P 2-wire Paystation VG Loop - Convert Loop		\$16.14
UNE-P 2-wire Paystation VG Loop - Migration to or from Resale		\$20.80
UNE-P 2-wire Paystation VG Loop - Disconnect Service Charge		\$5.38

<b>UNE-P 2-wire Analog Key System VG combinations:</b>		
Band 1 VG Loop	\$7.87	
Band 2 VG Loop	\$14.14	
Band 3 VG Loop	\$20.62	
Band 4 VG Loop	\$39.66	
Key System Port	\$2.07	
NID - 4 Wire	\$1.64	
UNE-P 2-wire Key System VG Loop - new first line		\$111.24
UNE-P 2-wire Key System VG Loop - Each additional new line ordered at same time to same location		\$52.73
UNE-P 2-wire Key System VG Loop - Convert Loop		\$16.14
UNE-P 2-wire Key System VG Loop - Migration to or from Resale		\$20.80
UNE-P 2-wire Key System VG Loop - Disconnect Service Charge		\$5.38
<b>UNE-P 2-wire Analog PBX VG combinations:</b>		
Band 1 VG Loop	\$7.87	
Band 2 VG Loop	\$14.14	
Band 3 VG Loop	\$20.62	
Band 4 VG Loop	\$39.66	
PBX Port	\$5.28	\$167.80
NID - 4 Wire	\$1.64	
UNE-P 2-wire PBX VG Loop - new first line		\$111.24
UNE-P 2-wire PBX VG Loop - Each additional new line ordered at same time to same location		\$52.73
UNE-P 2-wire PBX VG Loop - Convert Loop		\$16.14
UNE-P 2-wire PBX VG Loop - Migration to or from Resale		\$20.80
UNE-P 2-wire PBX VG Loop - Disconnect Service Charge		\$5.38
<b>UNE-P 2-wire Analog Centrex VG combinations:</b>		
Band 1 VG Loop	\$7.87	
Band 2 VG Loop	\$14.14	
Band 3 VG Loop	\$20.62	
Band 4 VG Loop	\$39.66	
Centrex Port	\$2.07	
NID - 4 Wire	\$1.64	
UNE-P 2-wire Centrex VG Loop - new first line		\$111.24
UNE-P 2-wire Centrex VG Loop - Each additional new line ordered at same time to same location		\$52.73
UNE-P 2-wire Centrex VG Loop - Convert Loop		\$16.14
UNE-P 2-wire Centrex VG Loop - Migration to or from Resale		\$20.80
UNE-P 2-wire Centrex VG Loop - Disconnect Service Charge		\$5.38
<b>UNE-P 4-wire DS1 Digital Grade (DG) ISDN-PRI Combinations:</b>		
Band 1 DG Loop (Includes NID and Smartjack Charge)	\$96.14	
Band 2 DG Loop (Includes NID and Smartjack Charge)	\$150.88	
Band 3 DG Loop (Includes NID and Smartjack Charge)	\$207.53	
Band 4 DG Loop (Includes NID and Smartjack Charge)	\$373.94	
ISDN PRI Port - One Way	\$239.38	
ISDN PRI Port - Two Way	\$340.71	\$91.66
UNE-P 4-wire DS1 DG Loop - new first line		\$340.85
UNE-P 4-wire DS1 DG Loop - Each additional new line ordered at same time to same location		\$192.58
UNE-P 4-wire DS1 DG Loop - Migration to or from Resale		\$97.66
UNE-P 4-wire DS1 DG Loop - Disconnect Service Charge		\$36.47

<b>Surcharges:</b>		
Local Number Portability (LNP) surcharge per UNE loop	\$0.48	
<b>INP RATES SPECIFIC TO ACCESS SETTLEMENTS</b>		
Per INP Line	\$5.89	
<b>EEL COMBINATIONS</b>		
<b>RECURRING RATE</b>		
<b>NRC</b>		
Enhanced Extended Link (EEL) is a combination of Loop, Transport and Multiplexing (when applicable). Refer to the specific UNE section (transport, loop, multiplexing) in this document to obtain pricing for each specific element.		
<b>Special Access to EEL Conversion</b>		
EEL - DS1 Transport and Loop		\$81.10
EEL - DS3 Transport and Loop		ICB
<b>RECIPROCAL COMPENSATION</b>		
<b>RECURRING RATE</b>		
<b>NRC</b>		
If this rate sheet is included as part of an amendment of an existing interconnection agreement, the rates included below are not intended to change the reciprocal compensation arrangement between the parties. These rates replace the reciprocal compensation and transit rates as applicable in the underlying interconnection agreement.		
End Office per MOU	\$0.001408	NA
Tandem Switching per MOU	\$0.001231	NA
Shared Transport per MOU	\$0.000814	N/A
ISP-Bound Traffic		
Effective Date through June 13, 2003	\$0.0010	N/A
After June 13, 2003	\$0.0007	N/A
<b>INTERCONNECTION</b>		
<b>RECURRING RATE</b>		
<b>NRC</b>		
These rates apply when collocation is not involved. For collocation rates, see the appropriate agreement or tariff.		
DS0 Elec X-Conn (DS0 UNECC)	\$0.94	N/A
DS1 Elec X-Conn (DS1 UNECC)	\$2.93	N/A
DS3 Elec X-Conn (DS3 UNECC)	\$25.85	N/A
DS1 Facility Cross Connect: 1/2 of a DS1 UNECC consisting of one DSX panel and high frequency cable.	\$1.47	N/A
<b>COMMON CHANNEL SIGNALING INTERCONNECTION SERVICE SS7</b>		
<b>RECURRING RATE</b>		
<b>NRC</b>		
STP Port	\$252.47	\$281.69
STP Switching	\$0.33	N/A
STP Transport Link 56.0 Kbps SS7 Link per month	Dedicated Transport & Multiplexing	\$184.79
STP Transport Link 1.544 Mbps SS7 Link per month	Dedicated Transport & Multiplexing	\$184.79
SS7 Originating Point Code (OPC)		\$29.94
SS7 GlobalTitle Address Translation (GTT)		\$14.97
SS7 Switching	\$0.36	
<b>DATABASE</b>		
<b>RECURRING RATE</b>		
<b>NRC</b>		
Local Number Portability Service query	\$0.001327	Refer to Tariff
Toll Free Code Access Service query	\$0.000948	Refer to Tariff
Line Information Database per query	\$0.012556	Refer to Tariff
Calling Name Database Access Service query (CNAM)	\$0.000786	Refer to Tariff

<b>OPERATOR SERVICES / DIRECTORY ASSISTANCE</b>	<b>RECURRING RATE</b>	<b>NRC</b>
DA Database Listing & Update per listing or update	Refer to Tariff	Refer to Tariff
DA Data Base Query Service per query	Refer to Tariff	Refer to Tariff
Local Directory Service		
Toll and Local Assistance Service (Live)	\$0.414	
Directory Assistance Operator Service (Live)	\$0.353	
Operator Services Branding		
0+ Ten Digits		\$3,643.19
411		\$800.00
<b>911 AND E911 DATABASE ACCESS</b>	<b>RECURRING RATE</b>	<b>NRC</b>
Per DSO Equivalent Port		\$151.80
911 Trunk 2 Wire Analog		\$151.80
<b>STREET INDEX GUIDE</b>	<b>RECURRING RATE</b>	<b>NRC</b>
SIG Database Extract Report, per CDROM	\$41.00	

<b>Loop Banding</b>		
<b>Exchange Name</b>	<b>CLLI</b>	<b>Band</b>
Maitland	MTLDFLXADS1	1
Maitland TC	MTLDFLTC	1
Shalimar	SHLMFLXADS0	1
Tallahassee-Calhoun	TLHSFLXADS0	1
Tallahassee-FSU	TLHSFLXERSO	1
Altamonte Springs	ALSPFLXADS0	2
Boca Grande	BCGRFLXARS1	2
Bonita Sprints	BNSPFLXADS1	2
Cape Coral	CPCRFLXADS0	2
Casselberry	CSLBFLXADS1	2
Cypress Lake-Regional Airport	CYLKFLXBR0	2
Destin	DESTFLXADS0	2
Fort Myers Beach	FTMBFLXARS0	2
Fort Myers	FTMYFLXADS0	2
Fort Myers	FTMYFLXCDS2	2
Fort Walton Beach-Hollywood	FTWBFLXADS0	2
Fort Walton Beac-Denton	FTWBFLXBDS0	2
Fort Walton Beach-Mary Esther	FTWBFLXCRS0	2
Goldenrod	GLRDFLXADS0	2
Iona	IONAFLXA	2
Buenaventura Lakes	KSSMFLXDRS0	2
Lady Lake	LDLKFLXARS0	2
Lake Brantley	LKBRFLXADS1	2
North Naples	NNPLFLXADS1	2
Naples	NPLSFLXDDS0	2
Highlands	OCALFLXCRS0	2
Orange City	ORCYFLXADS0	2
San Carlos Park	SCPKFLXA	2
Tallahassee-Willis	TLHSFLXBDS0	2
Tallahassee-Blairstone	TLHSFLXDDS0	2
Valparaiso	VLPRFLXADS0	2
Valparaiso - Seminole	VLPRFLBRS0	2
Windermere	WNRFLXARS0	2
Winter Garden	WNGRFLXADS0	2
Winter Park	WNPKFLXADS1	2
Apopka	APPKFLXADS1	3
Clermont	CLMTFLXADS0	3
North Cape Coral	CPCRFLXBDS1	3
Kissimmee	KSSMFLXADS1	3
Reedy Creek	KSSMFLXACS1	3
Reedy Creek	KSSMFLXBDS1	3
Leesburg	LSBGFLXADS0	3
Marco Island	MOISFLXADS1	3
Murdock	MRDCFLXA	3
North Fort Myers	NFMYFLXADS	3
Naples	NPLSFLXCDS0	3
Ocala	OCALFLXADS0	3
Ocala XJ	OCALFLXJ	3

Orange City	ORCYFLXCRS0	3
Tallahassee-Mabry	TLHSFLXCDS0	3
Tallahassee-Perkins	TLHSFLXHDS0	3
Belleview	BLVWFLXADS0	3
Beverly Hills	BVHLFLXADS0	3
Chassahowitzka-Homosassa Spr	CHSWFLXARS0	3
Crestview	CRVWFLXADS0	3
Cypress Lake	CYLKFLXADS0	3
Fort Myers	FTMYFLXABRS0	3
Golden Gate	GLGCFLXADS0	3
Kissimmee	KSSMFLXACRS1	3
Mount Dora	MTRFLXARS0	3
North Fort Myers	NFMYFLXABRS0	3
Ocala	OCALFLXBDS0	3
Port Charlotte	PTCTFLXADS0	3
Sanibel-Captiva Islands	SNISFLXADS0	3
Silver Springs Shores	SVSSFLXARS0	3
Tallahassee-Thomasville	TLHSFLXFDS0	3
Tavares	TVRSFLXADS0	3
Avon Park	AVPKFLXADS0	4
Cape Haxe	CPHZFLXADS1	4
Crystal River	CRRVFLXADS0	4
Dade City	DDCYFLXADS1	4
Eustil	ESTSFLXARS0	4
Fort Meade	FTMDFLXARS0	4
Homosassa Springs	HMSPFLEXARS0	4
Howey-in-the-hills	HOWYFLXARS0	4
Inverness	INVRFLXADS1	4
Lehigh Acres	LHACFLXADS0	4
Lake Helen - Orange City	LKHLFLXARS0	4
Marianna	MRNNFLXADS0	4
Montverde	MTVRFLXARS0	4
Punta Gorda	PNGRFLXADS1	4
Pine Island	PNISFLXADS0	4
Sebring	SBNGFLXARS0	4
Seagrove Beach	SGBHFLXARS0	4
Santa Rosa Beach	SNRSFLXARS0	4
St. Cloud	STCDFLXARS0	4
Silver Springs - Ocala	SVSPFLXARS0	4
Groveland	GVLDFLXARS0	4
San Antonio	SNANFLXARS0	4
Starke	STRKFLXADS0	4
Wauchula	WCHLFLXADS0	4
Alford	ALFRFLXARS0	4
Alva	ALVAFLXARS1	4
Arcadia	ARCDFLXADS0	4
Astor	ASTRFLXARS0	4
Baker	BAKRFLXADS0	4
Bonifay	BNFYFLXARS0	4
bushnell	BSHNFLXADS0	4
bowling green	BWLGFLXARS0	4
Crawfordville	CFVLFLXADS0	4

Cherry Lake	CHLKFLXARS0	4
Clewiston	CLTNFLXARS0	4
cottondale	CTDLFLXARS0	4
DeFuniak Springs	DFSPFLXADS0	4
everglades	EVRGFLXARS1	4
Freeport	FRPTFLXARS0	4
Grand Ridge	GDRGFLXADS0	4
Glendale	GLDLFLXARS0	4
Greenville	GNVFLXARS0	4
Greenwood	GNWDFLXARS0	4
Immokalee	IMKLFLXARS0	4
Kingsley Lake	KGLKFLXARS0	4
Kenansville	KNVFLXARS0	4
LaBelle	LBLLFLXADS0	4
Lee	LEE FLXARS0	4
Lake Placid	LKPCFLXARS0	4
Lawtey	LWTYFLXARS0	4
Malone	MALNFLXARS0	4
Madison	MDSNFLXADS0	4
Monticello	MNTIFLXADS0	4
Moore Haven	MRHNFLXARS0	4
Forest	OCNFFLXARS0	4
Okeechobee	OKCBFLXADS1	4
Ocklawaha	OKLWFLXADS0	4
Panacea	PANCFLXARS0	4
Ponce de Leon	PNLNFLXARS0	4
Reynolds Hill	RYHLFLXARS0	4
Spring Lake	SLHLFLXARS0	4
sneads	SNDSFLCARS0	4
Sopchoppy	SPCPFLXARS0	4
Salt Springs	SSPRFLXARS0	4
St. Marks	STMKFLXARS0	4
Trilacoochee	TLCHFLXARS0	4
Tallahassee-Woodville	TLSHSFLXGRS0	4
Umatilla	UMTLFLXARS0	4
Williston	WLSTFLXARS0	4
Wildwood	WLWDFLXARS0	4
Westwood	WSTVFLXARS0	4
Zolfo Springs	ZLSPFLXARS0	4



## Transport

Originating	Terminating	Originating	Terminating	Dedicated DS1	Dedicated DS3
ALFRFLXA	CTDLFLXA	Alford	Cottdale	\$ 124.64	\$ 1,736.74
ALFRFLXA	GDRGFLXA	Alford	Grand Ridge	\$ 185.79	\$ 2,572.55
ALFRFLXA	GNWDFLXA	Alford	Greenwood	\$ 181.65	\$ 2,456.54
ALFRFLXA	MALNFLXA	Alford	Malone	\$ 181.65	\$ 2,456.54
ALFRFLXA	MRNFLXA	Alford	Marianna	\$ 124.64	\$ 1,736.74
ALFRFLXA	SNDSFLXA	Alford	Sneads	\$ 185.79	\$ 2,572.55
ALSPFLXA	WNPFLXE	Altamonte Springs	Winter Park	\$ 70.89	\$ 1,108.53
APPKFLXA	MTVRFLXA	Apopka	Montverde	\$ 162.29	\$ 2,790.98
APPKFLXA	KSSMFLXB	Apopka	Reedy Creek	\$ 188.96	\$ 3,537.91
APPKFLXA	MTDRFLXA	Apopka	Mt. Dora	\$ 104.40	\$ 2,046.76
APPKFLXA	WNGRFLXA	Apopka	Winter Garden	\$ 121.19	\$ 2,516.90
APPKFLXA	WNPFLXA	Apopka	Winter Park	\$ 70.89	\$ 1,108.53
ARCDLXA	PNGRFLXA	Arcadia	Punta Gorda		
ARCDLAD	ZLSPFLXA	Arcadia	Zolfo Springs	\$ 241.19	\$ 5,877.04
ARCDLAD	MRDCFLXA	Arcadia	Port Charlotte	\$ 241.19	\$ 5,877.04
ARCDLAD	WCHLFLXA	Arcadia	Wauchula	\$ 241.19	\$ 5,877.04
ASTRFLXA	GVLDFLXA	Astor	Groveland	\$ 365.97	\$ 7,617.85
ASTRFLXA	LDLFLXA	Astor	Lady Lake	\$ 266.25	\$ 4,825.53
ASTRFLXA	LSBGFLXA	Astor	Leesburg	\$ 168.54	\$ 2,966.01
ASTRFLXA	UMTLFLXA	Astor	Umatilla	\$ 168.54	\$ 2,966.01
ASTRFLXA	MTVRFLXA	Astor	Monteverde	\$ 222.50	\$ 3,600.33
ASTRFLXA	HOWYFLXA	Astor	Howey-in-the-Hills	\$ 226.28	\$ 3,706.16
ASTRFLXA	CLMTFLXA	Astor	Clermont	\$ 168.54	\$ 2,966.01
ASTRFLXA	ESTSFLXA	Astor	Eustis	\$ 168.54	\$ 2,966.01
ASTRFLXA	MTDRFLXA	Astor	Mt. Dora	\$ 168.54	\$ 2,966.01
ASTRFLXA	TVRSFLXA	Astor	Tavares	\$ 168.54	\$ 2,966.01
AVPKFLXA	LKPCFLXA	Avon Park	Lake Placid	\$ 296.24	\$ 6,541.89
AVPKFLXA	SLHLFLXA	Avon Park	Spring Lake	\$ 241.19	\$ 5,877.04
AVPKFLXA	SBNGFLXA	Avon Park	Sebring	\$ 241.19	\$ 5,877.04
AVPKFLXA	WCHLFLXA	Avon Park	Wauchula	\$ 241.19	\$ 5,877.04
BAKRFLXA	SHLMFLXA	Baker	Shaimar	\$ 258.69	\$ 4,613.87
BAKRFLXA	DFSPFLXA	Baker	Defuniak Springs	\$ 204.01	\$ 3,959.20
BAKRFLXA	DESTFLXA	Baker	Destin	\$ 204.01	\$ 3,959.20
BAKRFLXA	FTWBFLXA	Baker	Fort Walton Beach	\$ 204.01	\$ 3,959.20
BAKRFLXA	VLPRFLXA	Baker	Valparaiso	\$ 204.01	\$ 3,959.20
BAKRFLXA	LRHLFLXA	Baker	Laurel Hill*	\$ 84.75	\$ 1,058.33
BAKRFLXA	CRVWFLXA	Baker	Crestview	\$ 52.43	\$ 591.58
BLVWFLXA	WLWDFLXA	Belleview	Wildwood	\$ 97.72	\$ 1,859.52
BLVWFLXA	OCNFFLXA	Belleview	Forest	\$ 284.25	\$ 6,206.08
BLVWFLXA	OCALFLXA	Belleview	Highlands	\$ 284.25	\$ 6,206.08
BLVWFLXA	SSPRFLXA	Belleview	Salt Springs	\$ 284.25	\$ 6,206.08
BLVWFLXA	CITRFLXA	Belleview	Citra*	\$ 229.18	\$ 5,102.31
BLVWFLXA	MCINFLXA	Belleview	McIntosh*	\$ 229.18	\$ 5,102.31
BLVWFLXA	ORSPFLXA	Belleview	Orange Springs*	\$ 152.93	\$ 2,967.36
BLVWFLXA	DNLNFLXA	Belleview	Dunnellon*	\$ 221.76	\$ 4,894.72
BLVWFLXA	OKLWFLXA	Belleview	Ocklawaha	\$ 53.89	\$ 632.28
BLVWFLXA	LDLFLXB	Belleview	Lady Lake (821)	\$ 202.12	\$ 3,906.28
BLVWFLXA	SVSSFLXA	Belleview	Silver Springs Shores	\$ 74.53	\$ 1,210.29

BLVWFLXA	OCALFLXA	Bellevue	Ocala	\$ 197.44	\$ 4,651.84
BVHLFLXA	CHSWFLXA	Beverly Hills	Chassahowitzka	\$ 329.78	\$ 6,604.32
BVHLFLXA	CRRVFLXA	Beverly Hills	Crystal River	\$ 82.16	\$ 1,423.98
BVHLFLXA	HMSPLFLXA	Beverly Hills	Homosassa Springs	\$ 82.16	\$ 1,423.98
BVHLFLXA	INVRFLXA	Beverly Hills	Inverness	\$ 82.16	\$ 1,423.98
BNFYFLXA	RYHLFLXA	Bonifay	Reynolds Hill	\$ 128.12	\$ 1,834.43
BNFYFLXA	WSTVFLXA	Bonifay	Westville	\$ 77.29	\$ 3,247.36
BNSPFLXA	CYLKFLXA	Bonita Springs	Cypress Lake	\$ 176.29	\$ 4,059.59
BNSPFLXA	FTMYFLXB	Bonita Springs	East Fort Myers	\$ 176.29	\$ 4,059.59
BNSPFLXA	FTMBFLXA	Bonita Springs	Fort Myers Beach	\$ 278.22	\$ 6,037.16
BNSPFLXA	FTMYFLXA	Bonita Springs	Fort Myers	\$ 176.29	\$ 4,059.59
BNSPFLXA	GLGCFLXA	Bonita Springs	Golden Gate	\$ 176.29	\$ 4,059.59
BNSPFLXA	NPLSFLXA	Bonita Springs	Naples	\$ 176.29	\$ 4,059.59
BNSPFLXA	NNPLFLXA	Bonita Springs	North Naples	\$ 176.29	\$ 4,059.59
BNSPFLXA	NPLSFLXD	Bonita Springs	Naples Moorings	\$ 176.29	\$ 4,059.59
BNSPFLXA	NPLSFLXC	Bonita Springs	Naples Southeast	\$ 176.29	\$ 4,059.59
BWLGFLXA	ZLSPFLXA	Bowling Green	Zolfo Springs	\$ 229.95	\$ 6,645.69
BWLGFLXA	WCHLFLXA	Bowling Green	Wauchula	\$ 229.95	\$ 6,645.69
KSSMFLXD	KSSMFLXA	Buenaventura Lakes	Kissimmee	\$ 146.32	\$ 2,782.16
BSHNFLXA	WLWDFLXA	Bushnell	Wildwood	\$ 295.15	\$ 6,511.36
BSHNFLXA	LSBGFLXA	Bushnell	Leesburg	\$ 197.44	\$ 4,651.84
CPCRFLXA	FTMBFLXA	Cape Coral	Fort Myers Beach	\$ 168.76	\$ 2,972.12
CPCRFLXA	PNISFLXA	Cape Coral	Pine Island	\$ 168.76	\$ 2,972.12
CPCRFLXA	CPCRFLXA	Cape Coral	North Cape Coral	\$ 66.82	\$ 994.55
CPCRFLXA	NFMYFLXA	Cape Coral	North Fort Myers	\$ 66.82	\$ 994.55
CPHZFLXA	MRDCFLEXA	Cape Haze	Port Charlotte	\$ 64.86	\$ 939.60
CLMTFLXA	WDRFLXA	Clermont	Windermere	\$ 194.41	\$ 3,690.55
CLMTFLXA	UMTLFLXA	Clermont	Umatilla	\$ 168.54	\$ 2,966.01
CLTNFLXA	MRHNFLXA	Clewiston	Moore Haven	\$ 100.99	\$ 1,951.11
CLTNFLXA	LBLLFLXA	Clewiston	LaBelle	\$ 100.99	\$ 1,951.11
CPCRFLXB	FTMYFLXC	North Cape Coral	Ft. Myers	\$ 84.85	\$ 1,109.17
CRVWFLXA	DFSPFLXA	Crestview	DeFuniak Springs	\$ 151.57	\$ 3,367.62
CRVWFLXA	FTWBFLXA	Crestview	Fort Walton Beach	\$ 151.57	\$ 3,367.62
CRVWFLXA	LRHLFLXA	Crestview	Laurel Hill*	\$ 32.32	\$ 466.75
CRRVFLXA	DDCYFLXA	Crystal River	Dade City	\$ 247.76	ICB
CYLKFLXA	CYLKFLXB	Cypress Lake	Cypress Lake	\$ 174.50	\$ 3,132.90
CYLKFLXA	IONAFLXA	Cypress Lake	Iona	\$ 152.31	
CYLKFLXA	FTMYFLXA	Cypress Lake	Ft. Myers	\$ 176.29	\$ 4,059.59
CYLKFLXA	SCPFLXA	Cypress Lake		\$ 256.06	
DDCYFLXA	LSBGFLXA	Dade City	Leesburg	\$ 126.34	
DDCYFLXA	SNANFLXA	Dade City	San Antonio	\$ 63.34	\$ 896.86
DFSPFLXA	PXTNFLXA	DeFuniak Springs	Paxton*	\$ 183.90	\$ 3,834.37
DFSPFLXA	FRPTFLXA	DeFuniak Springs	Freeport	\$ 151.57	\$ 3,367.62
DESTFLXA	FRPTFLXA	Destin	Freeport	\$ 151.57	\$ 3,367.62
DESTFLXA	GLDLFLXA	Destin	Glendale	\$ 205.68	\$ 4,006.01
ESTSFLXA	LSBGFLXA	Eustis	Leesburg	\$ 104.40	\$ 2,046.76
EVRGFLXA	NPLSFLXA	Everglades	Naples	\$ 176.29	\$ 4,059.59
OCNFFLXA	SVSSFLXA	Forest	Silver Springs Shore	\$ 161.34	\$ 2,764.53
FTMYFLXA	ARCDFLXA	Fort Myers	Arcadia	\$ 205.71	\$ 4,800.91
FTMYFLXA	AVPKFLXA	Fort Myers	Avon Park	\$ 205.71	\$ 4,800.91
FTMYFLXA	CLTNFLXA	Fort Myers	Clewiston	\$ 433.99	\$ 10,068.67
FTMYFLXA	CYLKFLXB	Fort Myers	Cypress Lake	\$ 75.83	\$ 1,125.36

FTMYFLXA	IONAFLXA(CYLKFLXB)	Fort Myers	Iona/Cypress Lake	\$ 75.83	\$ 1,125.36
FTMYFLXA	FTMYFLXC	Fort Myers	Fort Myers	\$ 75.83	\$ 1,125.36
FTMYFLXA	IMKLFLXA	Fort Myers	Immokalee	\$ 176.29	\$ 4,059.59
FTMYFLXA	MRHNFLXA	Fort Myers	Moore Haven	\$ 205.71	\$ 4,800.91
FTMYFLXA	CPCRFLXA	Fort Myers	North Cape Coral	\$ 66.82	\$ 994.55
FTMYFLXA	MOISFLXA	Fort Myers	Everglades	\$ 123.51	\$ 2,227.17
FTMYFLXA	FTMBFLXA	Fort Myers	Fort Myers Beach	\$ 101.93	\$ 1,977.56
FTMYFLXA	GLGCFLXA	Fort Myers	Goldengate	\$ 124.39	
FTMYFLXA	NFMYFLXA	Fort Myers	North Fort Myers	\$ 101.93	\$ 1,977.56
FTMYFLXB	NFMYFLXA	Fort Myers	North Fort Myers	\$ 278.22	\$ 6,037.16
FTMYFLXC	NFMYFLXA	Fort Myers	North Fort Myers	\$ 84.85	\$ 1,109.17
FTMYFLXA	OKCBFLXA	Fort Myers	Okeechobee	\$ 205.71	\$ 4,800.91
FTMYFLXA	PNISFLXA	Fort Myers	Pine Island	\$ 101.93	\$ 1,977.56
FTMYFLXA	SCPKFLXA	Fort Myers	San Carlos Park/Cypress Lake	\$ 75.83	\$ 1,125.36
FTMYFLXA	SBNGFLXA	Fort Myers	Sebring	\$ 205.71	\$ 4,800.91
FTMYFLXA	PTCTFLXA	Fort Myers	Port Charlotte	\$ 205.71	\$ 4,800.91
FTMYFLXC	PTCTFLXA	Fort Myers	Port Charlotte	\$ 205.87	\$ 3,266.92
FTMYFLXA	LBLLFLXA	Fort Myers	LaBelle	\$ 241.19	\$ 5,877.04
FTMYFLXA	LKPCFLXA	Fort Myers	Lake Placid	\$ 306.48	\$ 7,621.95
FTMYFLXA	PNGRFLXA	Fort Myers	Punta Gorda	\$ 241.19	\$ 5,877.04
FTMYFLXA	NPLSFLXA	Fort Myers	Naples	\$ 176.29	\$ 4,059.59
FTMYFLXA	NNPLFLXA	Fort Myers	North Naples	\$ 176.29	\$ 4,059.59
FTMYFLXA	WCHFLXA	Fort Myers	Wauchula	\$ 306.48	\$ 7,621.95
FTMYFLXC	ARCDFLXA	Fort Myers	Arcadia	\$ 121.03	\$ 2,157.74
FTMYFLXC	BNSPFLXA	Fort Myers	Bonita Springs	\$ 123.51	\$ 2,227.17
FTMYFLXC	CPCRFLXA	Fort Myers	Cape Coral	\$ 84.85	\$ 1,109.17
FTMYFLXC	GLGCFLXA	Fort Myers	Goldengate	\$ 123.51	\$ 2,227.17
FTMYFLXC	LBLLFLXA	Fort Myers	LaBelle	\$ 121.03	\$ 2,157.74
FTMYFLXC	MOISFLXA	Fort Myers	Marco Island	\$ 123.51	\$ 2,227.17
FTMYFLXC	MOISFLXD	Fort Myers	Marco Island	\$ 123.51	\$ 2,227.17
FTMYFLXC	NPLSFLXC	Fort Myers	Naples	\$ 123.51	\$ 2,227.17
FTMYFLXC	NPLSFLXD	Fort Myers	Naples	\$ 156.33	\$ 2,227.17
FTMYFLXC	NNPLFLXA	Fort Myers	North Naples	\$ 123.51	\$ 2,227.17
FTMYFLXC	SBNGFLXA	Fort Myers	Sebring	\$ 121.03	\$ 2,157.74
FTMYFLXC	PTCTFLXA	Fort Myers	Port Charlotte	\$ 121.03	\$ 2,157.74
FTMYFLXC	PNGRFLXA	Fort Myers	Punta Gorda	\$ 121.03	\$ 2,157.74
FTMBFLXA	CPCRFLXA	Fort Myers Beach	North Cape Coral	\$ 168.76	\$ 2,972.12
FTMBFLXA	NPLSFLXA	Fort Myers Beach	Naples	\$ 278.22	\$ 6,037.16
FTMBFLXA	NNPLFLXA	Fort Myers Beach	North Naples	\$ 278.22	\$ 6,037.16
FTMBFLXA	NFMYFLXA	Fort Myers Beach	North Fort Myers	\$ 101.93	\$ 1,977.56
FTMBFLXA	PNISFLXA	Fort Myers Beach	Pine Island	\$ 101.93	\$ 1,977.56
FTWBFLXA	PNSCFLWA	Fort Walton Beach	Pensacola	\$ 34.61	\$ 489.31
FTWBFLXA	TLHSFLXA	Fort Walton Beach	Tallahassee	\$ 1,207.55	
FTWBFLXA	FRPTFLARSO	Fort Walton Beach	Freeport	\$ 151.57	\$ 3,367.62
FTWBFLXB	CRVWFLXA	Fort Walton Beach	Crestview	\$ 148.48	

FRPTFLXA	GLDLFLXA	Freeport	Glendale	\$ 205.68	\$ 4,006.01
GLDLFLXA	PXTNFLXA	Glendale	Paxton*	\$ 238.00	\$ 4,472.76
IMKFLFLXA	LBLFLXA	Immokalee	LaBelle	\$ 244.54	\$ 4,384.91
IMKFLFLXA	NPLSFLXA	Immokalee	Naples	\$ 176.29	\$ 4,059.59
KSSMFLXA	WNDRFLXA	Kissimmee	Windermere	\$ 174.82	
KSSMFLXA	WNPFLXA	Kissimmee	Winter Park	\$ 121.19	\$ 2,516.90
KSSMFLXB	ALSPFLXA	W. Kissimmee	Altamonte Springs	\$ 152.44	ICB
KSSMFLXB	APPKFLXA	W. Kissimmee	Appopka	\$ 95.74	ICB
KSSMFLXB	CSLBFLXA	W. Kissimmee	Casselberry	\$ 252.01	\$ 4,426.63
KSSMFLXB	GLRDFLXA	W. Kissimmee	Goldenrod	\$ 152.44	ICB
KSSMFLXB	LKBRFLXA	W. Kissimmee	Lake Brantley	\$ 259.86	\$ 4,646.43
KSSMFLXB	MTLDFLXA	W. Kissimmee	Maitland	\$ 259.86	\$ 4,646.43
KSSMFLXB	WNPFLXA	Kissimmee	Winter Park	\$ 188.96	\$ 3,537.91
KSSMFLXB	KSSMFLXD	Kissimmee	Kissimmee	\$ 190.70	
LKPCFLXA	SLHLFLXA	Lake Placid	Spring Lake	\$ 296.24	\$ 6,541.89
LKPCFLXA	SBNGFLXA	Lake Placid	Sebring	\$ 55.05	\$ 664.85
LSBGFLXA	OCALFLXA	Leesburg	Ocala	\$ 126.34	\$ 2,306.35
LSBGFLXA	ORCYFLXA	Leesburg	Orange City	\$ 545.85	ICB
LSBGFLXA	SNANFLXA	Leesburg	San Antonio	\$ 238.01	ICB
LSBGFLXA	WLWDFLXA	Leesburg	Wildwood	\$ 97.72	\$ 1,859.52
LSBGFLXA	WNGRFLXA	Leesburg	Winter Garden		
LSBGFLXA	WNPFLXE	Leesburg	Winter Park		
LHACFLXA	CPCRFLXA	Lehigh Acres	Cape Coral	\$ 243.11	\$ 5,054.15
LHACFLXA	CPCRFLXA	Lehigh Acres	North Cape Coral	\$ 243.11	\$ 5,054.15
LHACFLXA	NFMYFLXA	Lehigh Acres	North Ft. Myers	\$ 278.22	\$ 6,037.16
MOISFLXA	NPLSFLXA	Marco Island	Naples	\$ 176.29	\$ 4,059.59
MOISFLXA	NNPLFLXA	Marco Island	North Naples	\$ 176.29	\$ 4,059.59
MRNNFLXA	BNFYFLXA	Marianna	Bonifay	\$ 371.66	
CPCRFLXA	PNISFLXA	North Cape Coral	Pine Island	\$ 204.03	\$ 3,180.13
CPCRFLXA	PNGRFLXA	North Cape Coral	Punta Gorda	\$ 205.87	\$ 3,266.92
NFMYFLXA	CPCRFLXA	North Fort Myers	North Cape Coral	\$ 66.82	\$ 994.55
NFMYFLXA	NFMYFLXB	North Fort Myers	North Fort Myers	\$ 121.03	\$ 2,157.74
NFMYFLXA	PNISFLXA	North Fort Myers	Pine Island	\$ 101.93	\$ 1,977.56
NFMYFLXA	PNGRFLXA	North Fort Myers	Punta Gorda	\$ 241.19	\$ 5,877.04
OCALFLXA	BSHNFLXA	Ocala	Bushnell	\$ 140.33	\$ 2,969.88
OCALFLXA	INVRFLXA	Ocala	Inverness	\$ 126.34	\$ 2,306.35
OCALFLXA	SVSSFLXA	Ocala	Silver Springs Shores	\$ 74.53	\$ 1,210.29
OCALFLXA	SVSSFLXA	Ocala	Silver Springs	\$ 86.81	\$ 1,554.24
OCALFLXA	TLHSFLXA	Ocala	Tallahassee	\$ 727.18	
OCALFLXA	CRRVFLXA	Ocala	Crystal River	\$ 234.94	ICB
OCALFLXA	OKLWFLXA	Ocala	Oklawaha	\$ 74.53	\$ 1,210.29
OCALFLXA	OCALFLXA	Ocala (W03)	Ocala (O3T)	\$ 72.48	ICB
OKCBFLXA	SBNGFLXA	Okeechobee	Sebring	\$ 241.19	\$ 5,877.04
OKLWFLXA	LSBGFLXA	Oklawaha	Leesburg	\$ 172.24	\$ 3,069.81
OKLWFLXA	SVSSFLXA	Oklawaha	Silver Springs Shores	\$ 74.53	\$ 1,210.29
PTCTFLXA	PNGRFLXA	Port Charlotte	Punta Gorda	\$ 241.19	\$ 5,877.04
SBNGFLXA	SLHLFLXA	Sebring	Spring Lake	\$ 241.19	\$ 5,877.04

STCDFLXA	WNPKFLXA	St. Cloud	Winter Park	\$ 121.19	\$ 2,516.90
TLHSFLXA	MDSNFLXA	Tallahassee	Madison	\$ 331.16	\$ 12,888.46
TLHSFLXA	TLHSFLXA	Tallahassee	Tallahassee	\$ 79.86	ICB
TLHSFLXC	TLHSFLXA	Tallahassee- Mabry	Calhoun	\$ 61.81	\$ 854.12
TLHSFLXB	TLHSFLXF	Tallahassee- Willis	Thomasville	\$ 111.41	\$ 1,366.33
TLHSFLXB	TLHSFLXH	Tallahassee- Willis	Perkins Rd.	\$ 61.81	\$ 854.12
WNPKFLXA	ALSPFLXA	Winter Park	Altamonte Springs	\$ 70.89	\$ 1,108.53
WNPKFLXA	APPKFLXA	Winter Park	Apopka	\$ 70.89	\$ 1,108.53
WNPKFLXA	GLRDFLXA	Winter Park	Goldenrod	\$ 63.04	\$ 888.72
WNPKFLXA	KSSMFLXA	Winter Park	Kissimmee	\$ 121.19	\$ 2,516.90
WNPKFLXA	KSSMFLXB	Winter Park	Kissimmee/West	\$ 121.19	\$ 2,516.90
WNPKFLXA	LKBRFLXA	Winter Park	Lake Brantley	\$ 70.89	\$ 1,108.53
WNPKFLXA	MTLDFLXA	Winter Park	Maitland	\$ 70.89	\$ 1,108.53
WNPKFLXA	WNPKFLXE	Winter Park	Winter Park	\$ 71.95	\$ 1,178.36
WNPKFLXA	KNVLFLXA	Winter Park	Kenansville	\$ 283.26	\$ 5,973.71
WNPKFLXA	ORLDFLXA	Winter Park	Orlando*	\$ 39.44	\$ 666.20

## Collocation

Rate Element Description	Non-Recurring Rate	Monthly Recurring Rate
<b>Physical Collocation Elements</b>		
<b>Application Fees</b>		
New Collocation – Physical Application Fee	\$ 3,548.35	N/A
Augment Fee	\$ 1,016.12	N/A
Space Report (per wire center)	\$ 845.49	N/A
<b>Security Cage</b>		
Security Cage Construction (per 100 Square Foot Enclosure)	\$ 9,473.59	N/A
Security Cage Construction (per 200 Square Foot Enclosure)	\$ 13,263.53	N/A
<b>Floor Space</b>		
Floor Space (per Square Foot)	N/A	\$ 6.19
Roof Space (per Square Foot)	N/A	\$ 6.19
Transmitter/Receiver Space (per Square Foot)	N/A	\$ 6.19
<b>DC Power</b>		
Power Costs (per Fuse Ampere)	N/A	\$ 11.41
Power Costs (per Power Lead, per Foot)	\$ 25.66	N/A
<b>Cabling</b>		
Internal Cable (per Linear Foot)	N/A	\$ 0.14
Internal Conduit (per Linear Foot)	N/A	\$ 0.48
Conduit Space (per Linear Foot)	N/A	\$ 0.37
Conduit Space - Vault (per Foot of 9 Conduit Vault)	N/A	\$ 1.16
Riser Space (per Foot)	N/A	\$ 4.45
Diverse Riser Space (per Foot)	N/A	\$ 4.45
<b>Cross Connect Facilities</b>		
Switchboard Cable (per 100 Pair with connecting block)	N/A	\$ 36.59
DS0 Cross Connect (per single DS0 connection)	N/A	\$ 0.94
DS1 Cross Connect (per single DS1 connection)	N/A	\$ 2.93
DS3 Cross Connect (per single DS3 connection)	N/A	\$ 25.85
Optical Cross-Connect (per 4-Fiber Cable)	N/A	ICB
<b>Labor Charges</b>		
Installation, Maintenance and/or Cable Pull & Splice - Basic First Half-hour	\$ 40.00	N/A
Installation, Maintenance and/or Cable Pull & Splice - Basic Additional Half-hour	\$ 35.00	N/A
Installation, Maintenance and/or Cable Pull & Splice - Overtime First Half-hour	\$ 45.00	N/A
Installation, Maintenance and/or Cable Pull & Splice - Overtime Additional Half-hour	\$ 40.00	N/A
Installation, Maintenance and/or Cable Pull & Splice - Premium First Half-hour	\$ 50.00	N/A
Installation, Maintenance and/or Cable Pull & Splice – Premium	\$ 45.00	N/A

Additional Half-hour		

<b>Virtual Collocation Elements</b>	<b>Non-Recurring Rate</b>	<b>Monthly Recurring Rate</b>
<b>Application Fees</b>		
New Collocation – Virtual Application Fee	\$ 2,520.00	N/A
Augment Fee	\$ 1,016.12	N/A
Space Report (per wire center)	\$ 845.49	N/A
<b>Floor Space</b>		
Floor Space (per Square Foot)	N/A	ICB
Rack Space (per Square Foot)	N/A	ICB
<b>DC Power</b>		
Power Costs (per Fuse Ampere)	N/A	ICB
Power Costs (per Power Lead, per Foot)	ICB	N/A
<b>Cabling</b>		
Internal Cable (per Linear Foot)	N/A	\$ 0.19
Internal Conduit (per Linear Foot)	N/A	\$ 0.53
<b>Cross Connect Facilities</b>		
Switchboard Cable (per 100 Pair with connecting block)	N/A	\$ 36.59
DS0 Cross Connect (per single DS0 connection)	N/A	\$ 1.30
DS1 Cross Connect (per single DS1 connection)	N/A	\$ 4.45
DS3 Cross Connect (per single DS3 connection)	N/A	\$ 53.55
Optical Cross-Connect (per 4-Fiber Cable)	N/A	ICB
<b>Labor Charges (Physical or Virtual)</b>		
Installation and/or Maintenance - Basic First Half-hour	\$ 40.00	N/A
Installation and/or Maintenance - Basic Additional Half-hour	\$ 35.00	N/A
Installation and/or Maintenance - Overtime First Half-hour	\$ 45.00	N/A
Installation and/or Maintenance - Overtime Additional Half-hour	\$ 40.00	N/A
Installation and/or Maintenance - Premium First Half-hour	\$ 50.00	N/A
Installation and/or Maintenance - Premium Additional Half-hour	\$ 45.00	N/A
<b>Adjacent Onsite Collocation</b>		
	<b>Non-Recurring Rate</b>	<b>Monthly Recurring Rate</b>
All elements	ICB	ICB
<b>Remote Terminal Collocation</b>		
	<b>Non-Recurring Rate</b>	<b>Monthly Recurring Rate</b>
All elements	ICB	ICB

## **PART D - LOCAL RESALE**

### **40. TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE**

- 40.1. At the request of TWTC, and pursuant to the requirements of the Act, and FCC and Commission Rules and Regulations, Sprint shall make available to TWTC for resale Telecommunications Services that Sprint currently provides or may provide hereafter at retail to subscribers who are not telecommunications carriers. Such resale may be as allowed by the FCC and Commission. The Telecommunications Services provided by Sprint to TWTC pursuant to this Part D are collectively referred to as "Local Resale."
- 40.2. To the extent that this Part describes services which Sprint shall make available to TWTC for resale pursuant to this Agreement, this list of services is neither all inclusive nor exclusive.

### **41. GENERAL TERMS AND CONDITIONS**

- 41.1. Pricing. The prices charged to TWTC for Local Resale are set forth in Part C of this Agreement.
  - 41.1.1. Voluntary Federal and State Subscriber Financial Assistance Programs
    - 41.1.1.1. Subsidized local Telecommunications Services are provided to low-income subscribers pursuant to requirements established by the appropriate state regulatory body, and include programs such as Voluntary Federal Subscriber Financial Assistance Program and Link-Up America. Voluntary Federal and State Subscriber Financial Assistance Programs are not Telecommunications Services that are available for resale under this Agreement.
  - 41.1.2. Grandfathered Services. Sprint will make any service grandfathered to an end-user or any Individual Case Basis ("ICB") service available to CLEC for resale to that same-end-user at the same location(s). Should Sprint discontinue any grandfathered or ICB service, Sprint will provide to CLEC any legally required notice as soon as practicable and at least equal in quality and timeliness to that which is provided to Sprint's own customers, prior to the effective date of changes in or discontinuation of any product or service that is available for resale under this Subsection.
  - 41.1.3. Contract Service Arrangements, Special Arrangements, and Promotions. Sprint shall offer for resale all of its Telecommunications Services available at retail to subscribers who are not Telecommunications Carriers, including but not limited to Contract Service Arrangements (or ICB), Special Arrangements (or ICB), and Promotions in excess of ninety (90) Days, all in accordance with FCC and Commission Rules and Regulations.



- 41.1.4. COCOT lines or Pay Telephone Access Lines will be sold at wholesale prices to CLEC for the purposes of resale to third parties providing pay telephone service to the public. Provision of pay telephone service by CLEC directly to the public or resale to entities or organizations affiliated with or having the same or substantially similar identity as CLEC, using COCOT lines or Pay Telephone Access Lines purchased at wholesale, is not allowable resale under the Agreement and is a material breach of the terms of this Agreement.
- 41.1.5. Except as set forth above and as may be allowed by the FCC or Commission, Sprint shall not place conditions or restrictions on TWTC's resale of wholesale regulated Telecommunications Services, except for restrictions on the resale of residential service to other classifications (e.g., residential service to business customers) and for promotions of ninety (90) Days or less in length. In addition, TWTC shall be prohibited from marketing its products using the Sprint product name (e.g., TWTC may purchase the features package called "Sprint Essential" but shall be prohibited from reselling this product using the Sprint brand name or the Sprint product name.) Every regulated retail service rate, including promotions over ninety (90) Days in length, discounts, and option plans will have a corresponding wholesale rate. Sprint will make wholesale telecommunications service offerings available for all new regulated services at the same time the retail service becomes available.
- 41.1.6. Voice Mail Service is not a Telecommunications Service available for resale under this Agreement. However, where available, Sprint shall make available for Local Resale the SMDI-E (Station Message Desk Interface-Enhanced), or SMDI, Station Message Desk Interface where SMDI-E is not available, feature capability allowing for Voice Mail Services. Sprint shall make available the MWI (Message Waiting Indicator) interrupted dial tone and message waiting light feature capabilities where technically available. Sprint shall make available CF-B/DA (Call Forward on Busy/Don't Answer), CF/B (Call Forward on Busy), and CF/DA (Call Forward Don't Answer) feature capabilities allowing for Voice Mail services.
- 41.1.7. Hospitality Service. Sprint shall provide all blocking, screening, and all other applicable functions available for hospitality lines under tariff.
- 41.1.8. LIDB Administration
  - 41.1.8.1. Sprint shall maintain customer information for TWTC customers who subscribe to resold Sprint local service dial tone lines, in Sprint's LIDB in the same manner that it maintains information in LIDB for its own similarly situated end-user subscribers. Sprint shall update and maintain TWTC information in LIDB on the same schedule that it uses

for its own similarly situated end-user subscribers.

- 41.1.8.2. Until such time as Sprint's LIDB has the software capability to recognize a resold number as TWTC's, Sprint shall store the resold number in its LIDB at no charge and shall retain revenue for LIDB look-ups to the resold number.
- 41.1.9. Sprint will continue to provide Primary Interexchange Carrier ("PIC") processing for those end-users obtaining resold service from TWTC. Sprint will bill and TWTC will pay any PIC change charges. Sprint will only accept said requests for PIC changes from TWTC and not from TWTC's end users.
- 41.1.10. Sprint shall allow TWTC customers to retain their current telephone number when technically feasible within the same Sprint Wire Center and shall install TWTC customers at Parity unless TWTC customers currently subscribe to Vacation Service only or are currently in the process of having their service suspended for non-pay. In such cases Sprint will treat TWTC customer as a new installation at the request of TWTC.

## **PART E - NETWORK ELEMENTS**

### **42. GENERAL**

42.1. Pursuant to the following terms, Sprint will unbundle and separately price and offer Unbundled Network Elements (“UNEs”) such that TWTC will be able to subscribe to and interconnect to whichever of these unbundled elements TWTC requires for the purpose of providing local telephone service to its end users. TWTC shall pay Sprint each month for the UNEs provisioned, and shall pay the non-recurring charges listed in Part C, Table One or agreed to by the Parties. It is TWTC’s obligation to combine Sprint-provided UNEs with any facilities and services that TWTC may itself provide. Sprint will continue to offer the UNEs enumerated below subject to further determinations as to which UNEs ILECs are required to offer under the Act, at which time the Parties agree to modify this section pursuant to the obligations set forth in Part B, Section 4.2 of this Agreement.

### **43. UNBUNDLED NETWORK ELEMENTS**

43.1. Sprint shall offer UNEs to TWTC for the purpose of offering Telecommunication Services to TWTC subscribers. Sprint shall offer UNEs to TWTC on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement. UNEs include:

- 43.1.1. Network Interface Device (“NID”)
- 43.1.2. Local Loop
- 43.1.3. Sub Loop
- 43.1.4. Switching Capability (Except for switching used to serve end users with four or more lines in access density zone 1, in the top 50 Metropolitan Statistical Areas where Sprint provides non-discriminatory access to the enhanced extended link.)
  - 43.1.4.1. Local Switching
  - 43.1.4.2. Tandem Switching
- 43.1.5. Interoffice Transport Facilities
  - 43.1.5.1. Common
  - 43.1.5.2. Dedicated
  - 43.1.5.3. Dark Fiber
- 43.1.6. Signaling Networks & Call Related Databases
- 43.1.7. Operations Support Systems

- 43.2. TWTC may use one or more UNEs to provide any feature, function, capability, or service option that such UNE(s) is (are) technically capable of providing. Except as provided elsewhere in this Agreement, it is TWTC's obligation to combine Sprint provided UNEs with any and all facilities and services whether provided by Sprint, TWTC, or any other party.
- 43.3. Each UNE provided by Sprint to TWTC shall be at Parity with the quality of design, performance, features, functions, capabilities and other characteristics, including but not limited to levels and types of redundant equipment and facilities for power, diversity and security, that Sprint provides to itself, Sprint's own subscribers, to a Sprint Affiliate or to any other entity.

#### **44. BONA FIDE REQUEST PROCESS**

- 44.1. Sprint shall promptly consider and analyze access to categories of UNEs not covered in this Agreement, and requests where facilities and necessary equipment are not available with the submission of a Bona Fide Request hereunder.
- 44.2. A Bona Fide Request ("BFR") shall be submitted in writing on the Sprint Standard BFR Form and shall include a clear technical description of each request.
- 44.3. The TWTC may cancel a Bona Fide Request at any time, but shall pay the reasonable and demonstrable costs of processing and/or implementing the Bona Fide Request up to the date of cancellation.
- 44.4. Within ten (10) Days of its receipt, the Sprint shall acknowledge receipt of the Bona Fide Request.
- 44.5. Except under extraordinary circumstances, within thirty (30) Days of its receipt of a Bona Fide Request, Sprint shall provide to TWTC a preliminary analysis of such Bona Fide Request. If applicable, the preliminary analysis shall confirm whether Sprint will offer access to the UNE, including whether it is technically or operationally feasible.
- 44.6. Upon receipt of the preliminary analysis, TWTC shall, within thirty (30) Days, notify Sprint, in writing, of its intent to proceed or not to proceed.
- 44.7. Sprint shall promptly proceed with the Bona Fide Request upon receipt of written authorization from TWTC. When it receives such authorization, Sprint shall promptly develop the requested services, determine their availability, calculate the applicable prices and establish installation intervals.
- 44.8. As soon as feasible, but not more than ninety (90) Days after its receipt of authorization to proceed with developing the Bona Fide Request, Sprint shall provide to TWTC a Bona Fide Request Quote which will include, at a minimum, a description of each service or UNE, the availability, the applicable rates and the installation intervals.
- 44.9. Within thirty (30) Days of its receipt of the Bona Fide Request Quote, TWTC

must either confirm, in writing, its order for the Bona Fide Request pursuant to the Bona Fide Request Quote or if a disagreement arises, seek resolution of the dispute under the Dispute Resolution procedures in Section 24 of this Agreement.

- 44.10. If a Party to a Bona Fide Request believes that the other Party is not requesting, negotiating or processing the Bona Fide Request in good faith, or disputes a determination, or price or cost quote, such Party may seek resolution of the dispute pursuant to the Dispute Resolution provisions in Section 24 of this Agreement.

#### **45. NETWORK INTERFACE DEVICE**

- 45.1. Sprint will offer unbundled access to the network interface device element (NID). The NID is defined as any means of interconnection of end-user customer premises wiring to an incumbent LECs distribution plant, such as a cross connect device used for that purpose. This includes all features, functions, and capabilities of the facilities used to connect the loop to end-user customer premises wiring, regardless of the specific mechanical design.
- 45.2. The function of the NID is to establish the network demarcation point between a carrier (ILEC/TWTC) and its subscriber. The NID provides a protective ground connection, protection against lightning and other high voltage surges and is capable of terminating cables such as twisted pair cable.
- 45.3. TWTC may connect its NID to Sprint's NID; may connect an unbundled loop to its NID; or may connect its own Loop to Sprint's NID. Sprint will provide one NID termination of each loop. If additional NID terminations are required, TWTC may request them pursuant to process detailed in Section 43 herein.
- 45.4. Sprint will provide TWTC with information that will enable their technician to locate end user inside wiring at NIDs terminating multiple subscribers. Sprint will dispatch a technician and tag the wiring at TWTC's request. In such cases the charges specified in Part C, Table One will apply.
- 45.5. Sprint will not provide specialized (Sprint non-standard) NIDS.
- 45.6. The Sprint NID shall provide a clean, accessible point of connection for the inside wiring and for the Distribution Media and/or cross connect to TWTC's NID and shall maintain a connection to ground that meets applicable industry standards. Each Party shall ground its NID independently of the other party's NID.

#### **46. LOOP**

- 46.1. The definition of the loop network element includes all features, functions, and capabilities of the transmission facilities, including dark fiber and attached electronics (except those used for the provision of advanced services, such as DSLAMS) owned by Sprint, between a Sprint central office and the loop demarcation point at the customer premises. Terms and conditions for the provision of dark fiber are set forth in Section 54 of this Agreement. The

demarcation point is that point on the loop where Sprint's control of the facility ceases, and the End User Customer's control of the facility begins. This includes, but is not limited to, two-wire and four-wire copper analog voice-grade loops and two-wire and four-wire conditioned loops.

- 46.2. Conditioned Loops. Sprint will condition loops at TWTC's request. Conditioned loops are copper loops from which excessive bridge taps, load coils, low-pass filters, range extenders, load coils and similar devices have been removed to enable the delivery of high-speed wireline telecommunications capability, including DSL. Sprint will assess charges for loop conditioning in accordance with the prices listed in Part C, Table One. Conditioning charges apply to all loops irrespective of the length of the loop.
- 46.3. At TWTC's request, and if technically feasible, Sprint will test and report trouble on conditioned loops for all of the line's features, functions, and capabilities, and will not restrict its testing to voice-transmission only. Testing shall include Basic Testing and Cooperative Testing. Basic Testing shall include simple metallic measurements only, performed by accessing the loop through the voice switch.
  - 46.3.1. Basic Testing does not include cooperative efforts that require Sprint's technician to work jointly with TWTC's staff ("Cooperative Testing").
  - 46.3.2. Cooperative testing will be provided by Sprint at TWTC's expense. Sprint technicians will try to contact TWTC's representative at the conclusion of installation. If TWTC does not respond within 3 minutes, Sprint may, in its sole discretion, abandon the test and TWTC will be charged for the test.
  - 46.3.3. Sprint will charge TWTC at the rates set out on Part C, Table One, when the location of the trouble on a TWTC-reported ticket is determined to be in TWTC's network.
- 46.4. Voice Grade Loop Capabilities
  - 46.4.1. Voice grade loops are analog loops that facilitate the transmission of analog voice grade signals in the 300-3000 Hz range and terminates in a 2-wire or 4-wire electrical interface at TWTC's customer's premises. TWTC shall not install equipment on analog loops that exceeds the specified bandwidth.
  - 46.4.2. If Sprint uses Digital Loop Carrier or other similar remote concentration devices, and if facilities are available, Sprint will make alternative arrangements at TWTC's request and option, to provide an unbundled voice grade loop. Alternative arrangement may include copper facilities, dedicated transmission equipment or the deployment of newer devices providing for multiple hosting.
  - 46.4.3. Where facilities and necessary equipment are not available, TWTC requests will be processed through the BFR process. TWTC agrees to reimburse Sprint for the actual cost of the modifications necessary to

make the alternative arrangements available.

#### 46.5. Non-Voice Grade Loops

- 46.5.1. Sprint will provide non-voice grade loops on the basis of the service that will be provisioned over the loop. Sprint requires TWTC to provide in writing (via the service order) the spectrum management class (SMC), as defined in the T1E1.4/2000-002R2 Draft and subsequent updates, of the desired loop, so that the loop and/or binder group may be engineered to meet the appropriate spectrum compatibility requirements. TWTC must disclose to Sprint every SMC that TWTC has implemented on Sprint's facilities to permit effective Spectrum Management. If TWTC requires a change in the SMC of a particular loop, TWTC shall notify Sprint in writing of the requested change in SMC (via a service order). On non-voice grade loops, both standard and non-standard, Sprint will only provide electrical continuity and line balance.
- 46.5.2. Sprint shall employ industry accepted standards and practices to maximize binder group efficiency through analyzing the interference potential of each loop in a binder group, assigning an aggregate interference limit to the binder group, and then adding loops to the binder group until that limit is met. Disputes regarding the standards and practices employed in this regard shall be resolved through the Dispute Resolution Process set forth in Section 24 of this Agreement.
- 46.5.3. If Sprint uses Digital Loop Carrier or other similar remote concentration devices, and if facilities and necessary equipment are available, Sprint will make alternative arrangements available to TWTC at TWTC's request, to provide an unbundled voice grade loop. Alternative arrangements may include existing copper facilities, dedicated transmission equipment or the deployment of newer devices providing for multiple hosting.
- 46.5.4. Where facilities and necessary equipment are not available, TWTC requests will be processed through the BFR process. TWTC agrees to reimburse Sprint for the actual cost of the modifications necessary to make the alternative arrangements available.
- 46.5.5. TWTC will submit a BFR for non-voice grade loops that are not currently price listed.
- 46.5.6. Reverse ADSL Loops. If a TWTC's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to Sprint's Network and if an ADSL copper loop should start at an outside location, and is looped through a host or remote, and then to the subscriber, the copper plant from the outside location to the Sprint host or remote central office must be a facility dedicated to ADSL transmission only and not part of Sprint's regular feeder or distribution plant.

- 46.5.7. TWTC shall meet the power spectral density requirement given in the respective technical references listed below:
  - 46.5.7.1. For Basic Rate ISDN: Telcordia TR-NWT-000393 Generic Requirements for ISDN Basic Access Digital Subscriber Lines.
  - 46.5.7.2. For HDSL installations: Telcordia TA-NWT-001210 Generic Requirements for High-Bit-Rate Digital Subscriber Lines. Some fractional T1 derived products operating at 768 kbps may use the same standard.
  - 46.5.7.3. For ADSL: ANSI T1.413-1998 (Issue 2 and subsequent revisions) Asymmetrical Digital Subscriber Line (ADSL) Metallic Interface.
  - 46.5.7.4. As an alternative to Section 46.5.7.1 TWTC may meet the requirements given in ANSI document T1E1.4/2000-002R2 dated May 1, 2000. "Working Draft of Spectrum Management Standard", and subsequent revisions of this document.

#### 46.6. Non-Standard Non-Voice Grade Loops

- 46.6.1. If TWTC requests a xDSL loop, for which the effective loop length exceeds the xDSL standard of 18 kft (subject to gauge design used in an area), Sprint will only provide a Non-Standard Non-Voice Grade Loop. Additional non-recurring charges for conditioning will apply. Non-Standard Non-Voice Grade Loops will not be subject to performance measurements or technical specifications, however, all of the SMC requirements set forth in Section 46.5 are applicable.

#### 46.7. Adherence to National Industry Standards

- 46.7.1. In providing advanced service loop technology, Sprint shall allow TWTC to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.
- 46.7.2. Until long term industry standards and practices can be established, a particular technology shall be presumed acceptable for deployment under certain circumstances. Deployment that is consistent with at least one of the following circumstances presumes that such loop technology will not significantly degrade the performance of other advanced services or impair traditional analog circuit-switched voice band services:
  - 46.7.2.1. Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;



- 46.7.2.2. Is approved by an industry standards body, the FCC, or any state commission or;
  - 46.7.2.3. Has been successfully deployed by any carrier without significantly degrading the performance of other services; provided however, where TWTC seeks to establish that deployment of a technology falls within the presumption of acceptability under this Section 46.7.2.3, the burden is on TWTC to demonstrate to the Commission that its proposed deployment meets the threshold for a presumption of acceptability and will not, in fact, significantly degrade the performance of other advanced services or traditional voice band services.
- 46.7.3. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering Party and give them a reasonable opportunity to correct the problem. The interfering Party will immediately stop any new deployment until the problem is resolved to mitigate disruption of other carrier services. If the affected Parties are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that the deployed technology is the cause of the interference, the deploying Party will remedy the problem by reducing the number of existing customers utilizing the technology or by migrating them to another technology that does not disturb.
- 46.7.4. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 46.7.2, the degraded service shall not prevail against the newly deployed technology.
- 46.7.5. If Sprint denies a request by TWTC to deploy a technology, it will provide detailed, specific information providing the reasons for the rejection.
- 46.7.6. Parties agree to abide by national standards as developed by ANSI, i.e., Committee T1E1.4 group defining standards for loop technology. At the time the deployed technology is standardized by ANSI or the recognized standards body, TWTC will upgrade its equipment to the adopted standard within sixty (60) Days of the standard being adopted or as otherwise agreed to between the Parties.

- 46.8. Information to be Provided for Deployment of Advanced Services.
- 46.8.1. In connection with the provision of advanced services, Sprint shall provide to TWTC:
- 46.8.1.1. information with respect to the spectrum management procedures and policies that Sprint uses in determining which services can be deployed;
  - 46.8.1.2. information with respect to the rejection of TWTC's provision of advanced services, together with the specific reason for the rejection; and
  - 46.8.1.3. information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops.
- 46.8.2. In connection with the provision of advanced services, TWTC shall provide to Sprint the following information on the type of technology that TWTC seeks to deploy where TWTC asserts that the technology it seeks to deploy fits within a generic Power Spectral Density (PSD) mask:
- 46.8.2.1. information in writing (via the service order) regarding the Spectrum Management Class (SMC), as defined in the T1E1.4/2000-002R2 Draft, of the desired loop so that the loop and/or binder group may be engineered to meet the appropriate spectrum compatibility requirements;
  - 46.8.2.2. the SMC (i.e. PSD mask) of the service it seeks to deploy, at the time of ordering and if TWTC requires a change in the SMC of a particular loop, TWTC shall notify Sprint in writing of the requested change in SMC (via a service order);
  - 46.8.2.3. to the extent not previously provided TWTC must disclose to Sprint every SMC that TWTC has implemented on Sprint's facilities to permit effective Spectrum Management.
- 46.8.3. In connection with the provision of HFS UNE, if TWTC relies on a calculation-based approach to support deployment of a particular technology, it must provide Sprint with information on the speed and power at which the signal will be transmitted.
- 46.9. At TWTC's request, Sprint will tag and label unbundled loops at the Network Interface Device (NID). Tag and label may be ordered simultaneously with the ordering of the loop or as a separate service subsequent to the ordering of the loop.
- 46.9.1. Sprint will include the following information on the label: order number, due date, TWTC name, and the circuit number.

- 46.9.2. Tag and Label is available on the following types of loops: 2- and 4-wire analog loops, 2- and 4-wire xDSL capable loops, DSO 2- and 4-wire loops, and DS1 4-wire loops.
  - 46.9.3. TWTC must specify on the order form whether each loop should be tagged and labeled.
- 46.10. The rates for loop tag and label and related services are set forth on Part C, Table One, which is incorporated into and made a part of this agreement.

## **47. SUBLOOPS**

- 47.1. Sprint will offer unbundled access to subloops, or portions of the loop, at any accessible terminal in Sprint's outside loop plant. Such locations include, for example, a pole or pedestal, the network interface device, the minimum point of entry to the customer premises, and the feeder distribution interface located in, for example, a utility room, a remote terminal, or a controlled environment vault or at the MDF.
- 47.2. An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable (e.g., via screw posts, terminals, patch panels) without removing a splice case to reach the wire or fiber within.
- 47.3. Initially Sprint will consider all requests for access to subloops on an individual case basis due to the wide variety of interconnections available and the lack of standards. A written response will be provided to TWTC covering the interconnection time intervals, prices and other information based on the BFR process as set forth in Section 44 of this Agreement. Typical arrangements and corresponding prices will be developed after a substantial number have been provided and a pattern exists.
- 47.4. Reverse ADSL Loops. If a TWTC's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to Sprint's Network and if an ADSL copper loop should start at an outside location, and is looped through a host or remote, and then to the subscriber, the copper plant from the outside location to the Sprint host or remote central office must be a facility dedicated to ADSL transmission only and not part of Sprint's regular feeder or distribution plant.
- 47.5. To the extent Sprint owns inside wire and related maintenance for itself and its customers, Sprint will provide TWTC existing inside wire, including intrabuilding and interbuilding cable, at any accessible point, where technically feasible. Where available, inside wire is offered separate from the UNE loop, and the rates for inside wire are distinct from the loop rates.
  - 47.5.1. Inside wire is the wire, owned by Sprint, and located on the customer's side of the network interface (NI), as defined in C.F.R. Section 51.319(a)(2)(i). Inside wire also includes interbuilding and intrabuilding cable. Interbuilding cable means the cable between buildings in a campus setting (i.e. between multiple buildings at a customer location).

- 47.5.1.1. Intrabuilding cable means the cable running vertically and horizontally within a building.
  - 47.5.1.2. Intrabuilding cable includes riser cable and plenum cable.
- 47.5.2. Sprint will not provide or maintain inside wire in situations where it determines there are health or safety concerns in doing so.
- 47.6. Requests for inside wire, including ordering and provisioning, will be handled on an Individual Case Basis (ICB) due to the uniqueness of each instance where Sprint may own inside wire. The application of prices for inside wire will be matched to the specific facilities located at the site where it is being sold. The prices for inside wire are reflected in the standardized price list for the components for inside wire, including interbuilding cable, intrabuilding cable, SAI, riser cable and plenum cable. Non-recurring interconnection costs and charges will be determined on a site-specific basis and are dependent upon the facilities present at the location. The purchase of inside wire may necessitate the purchase of other facilities, including but not limited to, loop, network interface devices (NIDs), building terminals, and/or serving area interfaces (SAIs).

#### **48. LOCAL SWITCHING**

- 48.1. Local Switching is the Network Element that provides the functionality required to connect the appropriate lines or trunks wired to the Main Distributing Frame (MDF) or Digital Cross Connect (DSX) panel to a desired line or trunk. Such functionality shall include all of the features, functions, and capabilities that the underlying Sprint switch providing such Local Switching function provides for Sprint's own services. Functionality may include, but is not limited to:
  - 48.1.1. line signaling and signaling software;
  - 48.1.2. digit reception;
  - 48.1.3. dialed number translations;
  - 48.1.4. call screening;
  - 48.1.5. routing;
  - 48.1.6. recording;
  - 48.1.7. call supervision;
  - 48.1.8. dial tone;
  - 48.1.9. switching;
  - 48.1.10. telephone number provisioning;
  - 48.1.11. announcements;
  - 48.1.12. calling features and capabilities (including call processing);

- 48.1.13. Centrex, or Centrex like services;
  - 48.1.14. Automatic Call Distributor (ACD);
  - 48.1.15. TWTC presubscription (e.g., long distance Carrier, intraLATA toll);
  - 48.1.16. Carrier Identification Code (CIC) portability capabilities;
  - 48.1.17. testing and other operational features inherent to the switch; and,
  - 48.1.18. switch software.
- 48.2. Since Sprint will offer EELs, Sprint is not required to provide local switching under this Section 48 for switching used to serve end users with four or more lines in access density zone 1, in the top 50 Metropolitan Statistical Areas.
- 48.3. Sprint will provide customized routing at TWTC's request where technically feasible. Customized routing enables TWTC to route their customer's traffic differently than normally provided by Sprint. For example, customized routing will allow TWTC to route their customer's operator handled traffic to a different provider. TWTC requests will be processed through the BFR process. Pricing will be on a time and materials basis.
- 48.4. Technical Requirements
- 48.4.1. Sprint shall provide its standard recorded announcements (as designated by TWTC) and call progress tones to alert callers of call progress and disposition. TWTC will use the BFR process for unique announcements.
  - 48.4.2. Sprint shall change a subscriber from Sprint's Telecommunications Services to TWTC's Telecommunications Services without loss of feature functionality unless expressly agreed otherwise by TWTC.
  - 48.4.3. Sprint shall control congestion points such as mass calling events, and network routing abnormalities, using capabilities such as Automatic Call Gapping, Automatic Congestion Control, and Network Routing Overflow. Application of such control shall be competitively neutral and not favor any user of unbundled switching or Sprint.
  - 48.4.4. Sprint shall offer all Local Switching features that are technically feasible and provide feature offerings at Parity with those provided by Sprint to itself or any other party.
- 48.5. Interface Requirements. Sprint shall provide the following interfaces:
- 48.5.1. Standard Tip/Ring interface including loopstart or groundstart, on-hook signaling (e.g., for calling number, calling name and message waiting lamp);
  - 48.5.2. Coin phone signaling;

- 48.5.3. Basic and Primary Rate Interface ISDN adhering to ANSI standards Q.931, Q.932 and appropriate Telcordia Technical Requirements;
- 48.5.4. Two-wire analog interface to PBX to include reverse battery, E&M, wink start and DID;
- 48.5.5. Four-wire analog interface to PBX to include reverse battery, E&M, wink start and DID; and
- 48.5.6. Four-wire DS1 interface to PBX or subscriber provided equipment (e.g., computers and voice response systems).
- 48.6. Sprint shall provide access to interfaces, including but not limited to:
  - 48.6.1. SS7 Signaling Network, Dial Pulse or Multi-Frequency trunking if requested by TWTC;
  - 48.6.2. Interface to TWTC operator services systems or Operator Services through appropriate trunk interconnections for the system; and
  - 48.6.3. Interface to TWTC directory assistance services through TWTC switched network or to Directory Services through the appropriate trunk interconnections for the system; and 950 access or other TWTC required access to interexchange carriers as requested through appropriate trunk interfaces.

#### **49. TANDEM SWITCHING**

- 49.1. Tandem Switching is the function that establishes a communications path between two switching offices (connecting trunks to trunks) through a third switching office (the tandem switch) including but not limited to TWTC, Sprint, independent telephone companies, IXCs and wireless Carriers. A host/remote end office configuration is not a Tandem Switching arrangement.
- 49.2. Technical Requirements
  - 49.2.1. Tandem Switching shall preserve CLASS/LASS features and Caller ID as traffic is processed.
  - 49.2.2. To the extent technically feasible, Tandem Switching shall record billable events for distribution to the billing center designated by TWTC.
  - 49.2.3. Tandem Switching shall control congestion using capabilities such as Automatic Congestion Control and Network Routing Overflow. Congestion control provided or imposed on TWTC traffic shall be at Parity with controls being provided or imposed on Sprint traffic (e.g., Sprint shall not block TWTC traffic and leave its traffic unaffected or less affected).
  - 49.2.4. The Local Switching and Tandem Switching functions may be

combined in an office. If this is done, both Local Switching and Tandem Switching shall provide all of the functionality required of each of those Network Elements in this Agreement.

49.2.5. Tandem Switching shall provide interconnection to the E911 PSAP where the underlying Tandem is acting as the E911 Tandem.

#### 49.3. Interface Requirements

49.3.1. Direct trunks will be utilized for interconnection to Sprint Tandems, excluding transit traffic via common trunks as may be required under the Act.

49.3.2. Sprint shall provide all signaling necessary to provide Tandem Switching with no loss of feature functionality.

### 50. PACKET SWITCHING

50.1. Sprint will provide TWTC unbundled packet switching if all of the following conditions are met:

50.1.1. Sprint has deployed digital loop carrier systems, including but not limited to, integrated digital loop carrier or universal digital loop carrier systems, or has deployed any other system in which fiber optic facilities replace copper facilities in the distribution section (e.g., end office to remote terminal, pedestal or environmentally controlled vault);

50.1.2. There are no spare copper loops cable of supporting the xDSL services the requesting carrier seeks to offer;

50.1.3. Sprint has not permitted the requesting carrier to deploy a Digital Subscriber Line Access Multiplexer (DSLAM) at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has the requesting carrier obtained a virtual collocation arrangement at these sub-loop interconnection points as defined by 47 C.F.R. Section 51.319(b); and

50.1.4. Sprint has deployed packet switching capability for its own use.

### 51. TRANSPORT

51.1. Shared Transport. Sprint will offer unbundled access to shared transport where unbundled local circuit switching is provided. Shared Transport is shared between multiple carriers and must be switched at a tandem. Shared transport is defined as transmission facilities shared by more than one carrier, including Sprint, between end office switches, between end office switches and tandem switches, and between tandem switches in the Sprint network.

51.1.1. Sprint may provide Shared Transport at DS-0, DS-1, DS-3, STS-1 or higher transmission bit rate circuits.

- 51.1.2. Sprint shall be responsible for the engineering, provisioning, and maintenance of the underlying Sprint equipment and facilities that are used to provide Shared Transport.
- 51.2. **Dedicated Transport.** Sprint will offer unbundled access to dedicated interoffice transmission facilities, or transport, including dark fiber. Terms and conditions for providing dark fiber are set forth in Section 54. Dedicated transport is limited to the use of a single carrier and does not require switching at a tandem. Dedicated interoffice transmission facilities are defined as Sprint transmission facilities dedicated to a particular customer or carrier that provide Telecommunications Services between wire centers owned by Sprint or requesting telecommunications carriers, or between switches owned by Sprint or requesting telecommunications carriers.
  - 51.2.1. **Technical Requirements**
    - 51.2.1.1. Where technologically feasible and available, Sprint shall offer Dedicated Transport consistent with the underlying technology as follows:
      - 51.2.1.1.1. When Sprint provides Dedicated Transport, the entire designated transmission circuit (e.g., DS-1, DS-3, STS-1) shall be dedicated to TWTC designated traffic.
      - 51.2.1.1.2. Where Sprint has technology available, Sprint shall offer Dedicated Transport using currently available technologies including, but not limited to, DS1 and DS3 transport systems, SONET (or SDS) Bi-directional Line Switched Rings, SONET (or SDH) Unidirectional Path Switched Rings, and SONET (or SDS) point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates.

## **52. SIGNALING SYSTEMS AND DATABASES**

- 52.1. Sprint will offer unbundled access to signaling links and signaling transfer points (STPs) in conjunction with unbundled switching, and on a stand-alone basis. The signaling network element includes, but is not limited to, signaling links which Sprint may offer in the form of either unbundled transport or signaling links, so long as the signaling links are intraLATA, Intrastate, and STP ports. Signaling links that require interLATA, Interstate transport will be obtained through an IXC. Sprint will offer unbundled access to call-related databases, including, but not limited to, the Line Information database (LIDB), Toll Free Calling database, Number Portability database, Calling Name (CNAM) database, Advanced Intelligent Network (AIN) databases, and the AIN platform and architecture. Sprint reserves the right to decline to offer unbundled access to certain AIN



software that qualifies for proprietary treatment. The access to the above call related databases are not required if TWTC uses Sprint as the SS7 provider. If through interconnections TWTC has access to Sprint's SS7 Network, they therefore have the ability to perform database queries. If the event arises and TWTC accesses these databases, Sprint has the right to bill for such services and TWTC agrees to pay for such database services.

## 52.2. Signaling Systems

### 52.2.1. Signaling Link Transport

52.2.1.1. Signaling Link Transport is a set of two or four dedicated 56 Kbps transmission paths between TWTC-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity and a cross connect at a Sprint STP site.

52.2.1.2. Technical Requirements. Signaling Link transport shall consist of full duplex mode 56 Kbps transmission paths.

### 52.2.2. Signaling Transfer Points (STPs)

52.2.2.1. Signaling Transfer Points (STPs) provide functionality that enable the exchange of SS7 messages among and between switching elements, database elements and signaling transfer points.

52.2.3. Technical Requirements. STPs shall provide access to and fully support the functions of all other Network Elements connected to the Sprint SS7 network. These include:

52.2.3.1. Sprint Local Switching or Tandem Switching;

52.2.3.2. Sprint Service Control Points/Databases;

52.2.3.3. Third-party local or Tandem Switching systems; and

52.2.3.4. Third party provides STPs.

52.2.4. Interface Requirements. Sprint shall provide the following STP options to connect TWTC or TWTC-designated local switching systems or STPs to the Sprint SS7 network:

52.2.4.1. An A-link interface from TWTC local switching systems;  
and

52.2.4.2. B- or D-link interface from TWTC STPs.

52.2.4.3. Each type of interface shall be provided by one or more sets (layers) of signaling links, as follows:

52.2.4.3.1. An A-link layer shall consist of two links,

52.2.4.3.2. A B- or D-link layer shall consist of four links,

52.2.4.3.3. Signaling Point of Interconnection (SPOI) for each link shall be located at a cross-connect element, such as a DSX-1, in the Central Office (CO) where the Sprint STPs is located. Interface to Sprint's STP shall be the 56kb rate. The 56kb rate can be part of a larger facility, and TWTC shall pay multiplexing/demultiplexing and channel termination, plus mileage of any leased facility.

### 52.3. Line Information Database (LIDB)

52.3.1. The LIDB is a transaction-oriented database accessible over the CCS SS7 network. It contains records associated with subscribers' Line Numbers and Special Billing Numbers. LIDB accepts queries from other Network Elements, or TWTC's network, and provides appropriate responses. The query originator need not be the owner of LIDB data. LIDB queries include functions such as screening billed numbers to determine if the end user associated with the number has requested deny Collect or deny Third Number Billing call restrictions or whether a telephone line number based non-proprietary calling card has a valid PIN

#### 52.3.2. Technical Requirements

52.3.2.1. Prior to the availability of Local Number Portability, Sprint shall enable TWTC to store in Sprint's LIDB any subscriber Line Number of Special Billing Number record, whether ported or not, for which the NPA-NXX or NXX-01-XX Group is supported by that LIDB, and NPA-NXX and NXX-0/1XX Group Records, belonging to a NPA-NXX or NXX-0/1XX owned by TWTC.

52.3.2.2. Subsequent to the availability of a long-term solution for Number Portability, Sprint, under the terms of a separate agreement with TWTC, shall enable TWTC to store in Sprint's LIDB any subscriber Line Number or Special Billing Number record, whether ported or not, regardless of the number's NPA-NXX or NXX-0/1XX.

52.3.2.3. Sprint shall perform the following LIDB functions for TWTC's subscriber records in LIDB: Billed Number Screening (provides information such as whether the Billed Number may accept Collect or Third Number Billing calls); and Calling Card Validation.

- 52.3.2.3.1. TWTC shall specify each point within the customer's networks that may originate queries to Sprint's LIDB. This shall be communicated to the Sprint network point of contact via the format in Appendix C.
    - 52.3.2.4. Sprint shall provide access to Sprint's SS7 gateway to other non-Sprint LIDB providers.
    - 52.3.2.5. Sprint shall process TWTC's subscribers' records in LIDB at Parity with Sprint subscriber records, with respect to other LIDB functions Sprint shall indicate to TWTC what additional functions (if any) are performed by LIDB in their network.
    - 52.3.2.6. Sprint shall perform backup and recovery of all of TWTC's data in LIDB at Parity with backup and recovery of all other records in the LIDB, including sending to LIDB all changes made since the date of the most recent backup copy.
  - 52.3.3. Compensation and Billing
    - 52.3.3.1. Access by TWTC to LIDB information in Sprint's LIDB Database - TWTC shall pay a per query charge as detailed in Sprint's applicable tariff or published price list.
    - 52.3.3.2. Access to Other Companies' LIDB Database - Access to other companies' LIDB shall be provided at a per query rate established for hubbing of \$0.0035 and a rate for LIDB queries and switching of \$0.065 for a combined rate of \$0.0685.
  - 52.3.4. Authorized Uses of Sprint's LIDB Database - Use of Sprint's LIDB Database by TWTC and TWTC's customers is limited to obtaining information, on a call-by-call basis, for delivery of name with Caller ID functions and shall not be stored or resold by TWTC or its customers in any form.
- 52.4. Calling Name Database (CNAM)
  - 52.4.1. The CNAM database is a transaction-oriented database accessible CCS network. It contains records associated with subscribers' Line Numbers and Names. CNAM accepts queries from other Network Elements, or TWTC's network, and provides the calling name. The query originator need not be the owner of CNAM data. CNAM provides the calling parties' name to be delivered and displayed to the terminating caller with 'Caller ID with Name'.

#### 52.4.2. Technical Requirements

52.4.2.1. Storage of TWTC Caller Names in the Sprint CNAM Database is available under the terms of a separate contract.

52.4.2.2. Sprint shall provide access to Sprint CNAM database for purpose of receiving and responding to Calling Name Service Queries.

52.4.2.2.1. TWTC shall specify each point within TWTC's networks that may originate queries to Sprint's CNAM database. This shall be communicated to the Sprint network point of contact via the format in Appendix C.

52.4.2.3. Sprint shall provide access to Sprint's SS7 gateway to other non-Sprint CNAM providers for the purpose of receiving and responding to Calling Name Queries where the names are stored in other non-Sprint databases.

#### 52.4.3. Compensation and Billing

52.4.3.1. Access by TWTC to CNAM information in Sprint's CNAM Database - TWTC shall pay a per query charge as detailed in Sprint's applicable tariff or published price list.

52.4.3.2. Access to Other Companies' CNAM Database - Access to other companies CNAM shall be provided at a per query rate established for hubbing of \$0.0035 and a rate for CNAM queries and switching of \$0.016 for a combined rate of \$0.0195.

52.4.4. Authorized Uses of Sprint's CNAM Database - Use of Sprint's CNAM Database by TWTC and its customers is limited to obtaining information, on a call-by-call basis, for delivery of name with Caller ID functions and shall not be stored or resold by TWTC or its customers in any form.

#### 52.5. Toll Free Number Database

52.5.1. The Toll Free Number Database provides functionality necessary for toll free (e.g., 800 and 888) number services by providing routing information and additional vertical features (i.e., time of day routing by location, by carrier and routing to multiple geographic locations) during call setup in response to queries from STPs. The Toll Free records stored in Sprint's database are downloaded from the SMS/800. Sprint shall provide the Toll Free Number Database in accordance with the following:

52.5.1.1. Technical Requirements

52.5.1.1.1. Sprint shall make the Sprint Toll Free Number Database available for TWTC to query, from TWTC's designated switch including Sprint unbundled local switching with a toll-free number and originating information.

52.5.1.1.2. The Toll Free Number Database shall return TWTC identification and, where applicable, the queried toll free number, translated numbers and instructions as it would in response to a query from a Sprint switch.

52.5.1.2. Interface Requirements. The signaling interface between TWTC or other local switch and the Toll-Free Number database shall use the TCAP protocol, together with the signaling network interface.

52.5.2. Compensation and Billing

52.5.2.1. Access by TWTC to the Toll Free Number Database Information - TWTC shall pay a per query charge as detailed in Sprint's applicable tariff or published price list.

52.5.3. Authorized Uses of Sprint's Toll Free Database - Use of Sprint's Toll Free Database by TWTC and its customers is limited to obtaining information, on a call-by-call basis, for proper routing of calls in the provision of toll free exchange access service or local toll free service.

52.6. Local Number Portability Local Routing Query Service

52.6.1. TCAP messages originated by TWTC's SSPs and received by Sprint's database will be provided a response upon completion of a database lookup to determine the LRN. This information will be populated in industry standard format and returned to TWTC so that it can then terminate the call in progress to the telephone number now residing in the switch designated by the LRN. Sprint shall provide the LNP Query Service in accordance with the following:

52.6.1.1. Technical Requirements

52.6.1.1.1. TWTC agrees to obtain, prior to the initiation of any query or other service under this Agreement, a NPAC/SMS User Agreement with Neustar. TWTC will maintain the NPAC/SMS User Agreement with the Neustar, or its successor, as long as it continues to make LNP queries to the Sprint database. Failure to obtain

and maintain the NPAC/SMS User Agreement is considered a breach of this Agreement and is cause for immediate termination of service. Sprint shall not be liable for any direct or consequential damages due to termination because of lack of a NPAC/SMS User Agreement.

52.6.1.1.2. First Usage Notification - Sprint will provide TWTC with notification of the first ported number order processed in each NPA/NXX eligible for porting. This shall be provided via E-mail to TWTC's designee on a mutually agreeable basis.

#### 52.6.2. Compensation and Billing

52.6.2.1. Access by TWTC to the LNP Database information -- TWTC shall pay a per query charge as detailed in Sprint's applicable tariff or published price list.

52.6.2.2. NPAC Costs - Sprint's LNP Database service offering does not include the cost of any charges or assessments by Number Portability Administrative Centers, whether under the NPAC/SMS User Agreement with Neustar, or otherwise, or any charges assessed directly against TWTC as the result of the FCC LNP Orders or otherwise by any third-party. These costs include the costs assessed against telecommunications carriers to pay for NPAC functions as permitted by the FCC and applicable legal or regulatory bodies. Sprint shall have no liability to TWTC or the NPAC for any of these fees or charges applicable to TWTC, even though it may pay such charges for other Sprint companies.

### 53. OPERATIONS SUPPORT SYSTEMS (OSS)

53.1. Sprint will offer unbundled access to Sprint's operations support systems to the extent technically feasible in a non-discriminatory manner at Parity. OSS consists of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by Sprint's databases and information. The OSS element includes access to all loop qualification information contained in Sprint's databases or other records, including information on whether a particular loop is capable of providing advanced services. The prices for loop qualification information are included in the pricing Attachment of this Agreement.

## **54. DARK FIBER**

### **54.1. General Rules and Definition**

- 54.1.1. Dark fiber is an optical transmission facility without attached multiplexing, aggregation or other electronics. It is fiber optic cable that connects two points within Sprint's network that has not been activated through connection to the electronics that "light" it and render it capable of carrying Telecommunications Services.
- 54.1.2. Sprint will unbundle dark fiber for the dedicated transport, loop and sub-loop network elements in accordance with the FCC's Third Report and Order (CC Docket No. 96-98). Dark fiber is not a separate network element, but a subset of dedicated transport and loop network elements. In addition to the terms in this section, any rules, guidelines and Agreement provisions for these network elements, including accessibility, will apply to dark fiber.

### **54.2. Fiber Availability**

- 54.2.1. Spare fibers in a sheath are not considered available if Sprint has an established project to put the fiber in use within the current year and the following year.
- 54.2.2. Sprint will also maintain fibers to facilitate maintenance, rearrangements and changes. Sprint will generally reserve 8% of fibers in a sheath for maintenance, subject to a minimum of four (4) fibers and a maximum of twelve (12) fibers.
- 54.2.3. Dark fiber requests will be handled on a first come first served basis, based on the date the Dark Fiber Application (DFA) is received.
- 54.2.4. Sprint will not restrict the use of leased dark fiber.

### **54.3. Interconnection Arrangements**

- 54.3.1. Rules for gaining access to unbundled network elements apply to dark fiber. Virtual and physical collocation arrangements may be used by TWTC to locate the optical electronic equipment necessary to "light" leased dark fiber.
- 54.3.2. TWTC that requests dark fiber must be able to connect to the Sprint fiber by means of fiber patch panel.
- 54.3.3. If fiber patch panels (FPPs) are not located within close enough proximity for a fiber patch cord, Sprint will purchase and install intraoffice cabling at TWTC's expense. The process for ordering intraoffice cabling will be handled as an ICB.

54.3.4. Establishment of applicable fiber optic transmission equipment or intermediate repeaters needed to power the unbundled dark fiber in order to carry Telecommunications Services is the responsibility of TWTC.

54.4. Dark Fiber Application and Ordering Procedure

54.4.1. TWTC will submit a Dark Fiber Application (DFA) and application fee to request that Sprint verify availability of dark fiber between TWTC-specified locations. See Part C, Table One for application fee amount.

54.4.2. Within twenty (20) Business Days of receipt of DFA, Sprint will provide TWTC with a response regarding fiber availability and price.

54.4.2.1. If dark fiber is not available, Sprint will notify TWTC of the DFA rejection.

54.4.2.2. TWTC will follow the Dispute Resolution Process outlined in Section 23 of this Agreement if they wish to contest the rejection.

54.4.3. If dark fiber is available, TWTC will notify Sprint of acceptance/rejection of dark fiber quote, via a firm order, within ten (10) Business Days of receipt of quote. Sprint will reserve the requested dark fiber for TWTC during these ten (10) Business Days. If, however, TWTC does not submit a firm order by the tenth (10) Business Day, the fiber will no longer be reserved.

54.4.4. After ten (10) Business Days of receipt of the price quote, if TWTC has not accepted, TWTC must submit another DFA and application fee.

54.4.5. TWTC will submit a firm order for dark fiber via the local service request (LSR) or access service request (ASR), as appropriate.

54.4.6. By submitting the dark fiber firm order, TWTC agrees to pay quoted monthly recurring and non-recurring charges. See Part C, Table One for monthly recurring and non-recurring charges.

54.4.7. Due Date. Sprint will provision dark fiber twenty (20) Business Days or in accordance with Applicable Rules after it receives firm order from TWTC. Billing of the monthly recurring and non-recurring charges will begin upon completion of dark fiber order. Sprint will allow TWTC to extend due date for firm order completion up to sixty (60) Business Days from the date Sprint receives firm order from TWTC.

54.4.7.1. Billing of the monthly recurring and non-recurring charges will begin on the due date of the dark fiber order completion unless:

54.4.7.1.1. TWTC cancels firm order before the established due date. If this occurs, TWTC agrees to



reimburse Sprint for all costs incurred to date;  
or

- 54.4.7.1.2. a third party submits firm order for same dark fiber. If this occurs, TWTC must begin compensating Sprint for monthly recurring and non-recurring charges in order to reserve fiber, once Sprint is able to provide dark fiber to TWTC.

#### 54.5. Maintenance and Testing

- 54.5.1. Sprint is only responsible for maintaining the facilities that it owns.
- 54.5.2. Sprint will conduct an end-to-end test of dark fiber after receipt of the firm order.
- 54.5.3. For meet point arrangements, Sprint will conduct cooperative testing with another carrier at TWTC's request. Additional rates and charges will apply.
- 54.5.4. Sprint does not guarantee that the transmission characteristics of the dark fiber will remain unchanged over time.
- 54.5.5. Sprint is not responsible for determining whether the transmission characteristics of the dark fiber will accommodate TWTC requirements.

#### 54.6. Rules for Take Back

- 54.6.1. Sprint reserves the right to take back dark fiber to meet its carrier of last resort obligations in accordance with Applicable Rules.
- 54.6.2. Sprint will provide TWTC twelve (12) months written notice prior to taking back fiber.
- 54.6.3. If multiple CLECs have leased fiber within a single sheath, Sprint will take back the fiber that was the last to be leased.
- 54.6.4. Sprint will provide TWTC with alternative transport arrangements when Sprint takes back working fiber.
- 54.6.5. The Dispute Resolution Procedures found in Section 23 of this Agreement will be followed if TWTC wishes to contest Sprint's decision to take back its leased fiber.

### **55. LOOP FREQUENCY UNBUNDLING**

#### 55.1. General Terms

- 55.1.1. Sprint shall make available as a separate unbundled network element the HFS UNE for line sharing by TWTC. Prices for each of the separate components offered in association with the HFS UNE are reflected in

Part C, Table One to this Agreement unless otherwise noted.

- 55.1.2. Pursuant to FCC rules and orders as applicable under the provisions of Part B, Section 4.4 of this Agreement, Sprint shall provide unbundled access to the HFS UNE at its central office locations and at any accessible terminal in the outside loop plant, subject to the execution by TWTC of a collocation agreement and the availability of space.
- 55.1.3. Sprint shall make the HFS UNE available to TWTC in only those instances when Sprint is the provider of analog circuit-switched voice band service on that same copper loop to the same End User.
  - 55.1.3.1. Sprint's HFS UNE unbundling obligation does not apply where copper facilities do not exist.
  - 55.1.3.2. When requested, Sprint will move an end user's analog circuit switched voice band service from digital loop carrier derived service to spare copper facilities, if available, via the non-recurring charges listed in Part C, Table One at TWTC's expense.
- 55.1.4. Reverse ADSL Loops. If a TWTC's ADSL Transmission Unit (including those integrated into DSLAMs) is attached to Sprint's Network and if an ADSL copper loop should start at an outside location, and is looped through a host or remote, and then to the subscriber, the copper plant from the outside location to the Sprint host or remote central office must be a facility dedicated to ADSL transmission only and not part of Sprint's regular feeder or distribution plant.
- 55.1.5. In the event that the End User being served by TWTC via HFS UNE terminates its Sprint-provided analog circuit-switched voice band service, or when Sprint provided analog circuit switched voice band service is disconnected due to "denial for non-pay", Sprint shall provide reasonable notice to TWTC prior to disconnect. TWTC shall have the option of purchasing an entire stand-alone UNE Non-Voice Grade loop if it wishes to continue to provide advanced services to that End User. If TWTC notifies Sprint that it chooses this option, TWTC and Sprint shall cooperate to transition DSL service from the HFS UNE to the stand-alone loop without any interruption of service pursuant to the provisions set forth below. If TWTC declines to purchase the entire stand alone UNE Non-Voice Grade loop, Sprint may terminate the HFS UNE.
- 55.1.6. Sprint will use reasonable efforts to accommodate the continued use by TWTC as a stand-alone UNE Non-Voice Grade loop of the copper loop facilities over which TWTC is provisioning advanced services at the time that the Sprint-provided analog circuit-switched voice band service terminates; provided that:

- 55.1.6.1. adequate facilities are available to allow the provisioning of voice service over such other facilities, and
  - 55.1.6.2. TWTC agrees to pay any additional ordering charges associated with the conversion from the provisioning of HFS UNE to a stand alone unbundled non-voice grade loop as specified in Part C, Table One (excluding conditioning charges).
- 55.1.7. If facilities do not exist and the End User being served by TWTC via HFS UNE has its Sprint-provided analog circuit-switched voice band service terminated and another carrier (“Voice TWTC”) seeks to purchase the copper loop facilities (either as resale or a UNE) over which TWTC is provisioning advanced services at the time that the Sprint-provided analog circuit-switched voice band service terminates, Sprint will continue to allow the provision of advanced services by TWTC over the copper facilities as an entire stand-alone UNE Non-Voice Grade loop until such time as the Voice TWTC certifies to Sprint that the End User has chosen the Voice TWTC for the provision of voice service over the existing facilities. Sprint will provide reasonable notice to TWTC prior to disconnection.
- 55.1.8. Sprint will offer as a UNE or a combination of UNEs, line sharing over fiber fed loops, including loops behind DLCs, under the following conditions:
- 55.1.8.1. Sprint must first have deployed the applicable technology in the Sprint Network and be providing service to its End Users over such facilities employing the technology;
  - 55.1.8.2. There must be a finding that the provision of High Frequency Spectrum Network Element in this fashion is technically feasible and, to the extent that other UNEs are involved in the provision of such service, that the combination of such elements as are necessary to provide the service is required under the Act.
  - 55.1.8.3. The pricing as set forth in this Agreement would not apply to the provision of such services and appropriate pricing would have to be developed, as well as operational issues associated with the provision of the service.

## 55.2. Information to be Provided

- 55.2.1. In connection with the provision of HFS UNE, Sprint shall provide to TWTC:
  - 55.2.1.1. information with respect to the spectrum management procedures and policies that Sprint uses in determining which services can be deployed;
  - 55.2.1.2. information with respect to the rejection of TWTC's provision of advanced services, together with the specific reason for the rejection; and
  - 55.2.1.3. information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops.
- 55.2.2. In connection with the provision of HFS UNE, TWTC shall provide to Sprint the following information on the type of technology that TWTC seeks to deploy where TWTC asserts that the technology it seeks to deploy fits within a generic Power Spectral Density (PSD) mask:
  - 55.2.2.1. information in writing (via the service order) regarding the Spectrum Management Class (SMC), as defined in the T1E1.4/2000-002R2 Draft and subsequent updates, of the desired loop so that the loop and/or binder group may be engineered to meet the appropriate spectrum compatibility requirements;
  - 55.2.2.2. the SMC (i.e. PSD mask) of the service it seeks to deploy, at the time of ordering and if TWTC requires a change in the SMC of a particular loop, TWTC shall notify Sprint in writing of the requested change in SMC (via a service order);
  - 55.2.2.3. to the extent not previously provided TWTC must disclose to Sprint every SMC that TWTC has implemented on Sprint's facilities to permit effective Spectrum Management.
- 55.2.3. In connection with the provision of HFS UNE, if TWTC relies on a calculation-based approach to support deployment of a particular technology, it must provide Sprint with information on the speed and power at which the signal will be transmitted.

## 55.3. Conditioning, Testing, Maintenance

- 55.3.1. Sprint will condition loops at the request of TWTC. Conditioned loops are copper loops from which excessive bridge taps, load coils, low-pass filters, range extenders, load coils and similar devices have been removed to enable the delivery of high-speed wireline telecommunications capability, including DSL. Sprint will assess

charges for loop conditioning in accordance with the prices listed in Part C, Table One. Conditioning charges apply to all loops irrespective of the length of the loop. Sprint will not condition the loop if such activity significantly degrades the quality of the analog circuit-switched voice band service on the loop.

- 55.3.2. If Sprint declines a TWTC request to condition a loop and Sprint is unable to satisfy TWTC of the reasonableness of Sprint's justification for such refusal, Sprint must make a showing to the relevant state commission that conditioning the specific loop in question will significantly degrade voiceband services.
- 55.3.3. If TWTC requests an ADSL loop, for which the effective loop length exceeds the ADSL standard of 18 kft (subject to gauge design used in an area), additional non-recurring charges for engineering and load coil removal will apply, plus trip charges and any applicable maintenance charges as set forth in Part C, Table One to this Agreement. Non-standard non-voice grade loops will not be subject to performance measurements (unless required by the Commission) or technical specifications, however all of the SMC requirements set forth in Section 46.5 above are applicable. On conditioned non-voice grade loops, both standard (under 18 kft) and non-standard (over 18 kft), Sprint will provide electrical continuity and line balance.
- 55.3.4. At the installation of the analog circuit-switched voice band service, and in response to reported trouble, Sprint will perform basic testing (simple metallic measurements) by accessing the loop through the voice switch. Sprint expects TWTC to deploy the testing capability for its own specialized services. If TWTC requests testing other than basic installation testing as indicated above, Sprint and TWTC will negotiate terms and charges for such testing.
- 55.3.5. In the event both Sprint's analog circuit-switched voice services and TWTC's services using the high frequency portion of the loop are harmed through no fault of either Party, or if the high frequency portion of the loop is harmed due to any action of Sprint other than loop maintenance and improvements, Sprint will remedy the cause of the outage at no cost to TWTC. Any additional maintenance of service conducted at TWTC's request by Sprint on behalf of TWTC solely for the benefit of TWTC's services will be paid for by TWTC at prices negotiated by Sprint and TWTC.

#### 55.4. Deployment and Interference

- 55.4.1. In providing services utilizing the high frequency spectrum network element, Sprint shall allow TWTC to deploy underlying technology that does not significantly interfere with other advanced services and analog circuit-switched voice band transmissions.

- 55.4.2. Sprint shall employ industry accepted standards and practices to maximize binder group efficiency through analyzing the interference potential of each loop in a binder group, assigning an aggregate interference limit to the binder group, and then adding loops to the binder group until that limit is met. Disputes regarding the standards and practices employed in this regard shall be resolved through the Dispute Resolution Process set forth in Section 24 of this Agreement.
- 55.4.3. Until long term industry standards and practices can be established, a particular technology using the high frequency portion of the loop shall be presumed acceptable for deployment under certain circumstances. Deployment that is consistent with at least one of the following circumstances presumes that such loop technology will not significantly degrade the performance of other advanced services or impair traditional analog circuit-switched voice band services:
  - 55.4.3.1. Complies with existing industry standards, including an industry-standard PSD mask, as well as modulation schemes and electrical characteristics;
  - 55.4.3.2. Is approved by an industry standards body, the FCC, or any state commission or;
  - 55.4.3.3. Has been successfully deployed by any carrier without significantly degrading the performance of other services; provided however, where TWTC seeks to establish that deployment of a technology falls within the presumption of acceptability under this Section 55.4.3.3, the burden is on TWTC to demonstrate to the Commission that its proposed deployment meets the threshold for a presumption of acceptability and will not, in fact, significantly degrade the performance of other advanced services or traditional voice band services.
- 55.5. If a deployed technology significantly degrades traditional analog circuit-switched voice band services, Sprint will notify TWTC and give them a reasonable opportunity to correct the problem. TWTC will immediately stop any new deployment until the problem is resolved to mitigate disruption of Sprint and other carrier services. If Sprint and TWTC are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that TWTC's technology is the cause of the interference, TWTC will remedy the problem by reducing the number of existing customers utilizing the technology or by migrating them to another technology that does not disturb.
- 55.6. If a deployed technology significantly degrades other advanced services, the affected Party will notify the interfering Party and give them a reasonable opportunity to correct the problem. The interfering Party will immediately stop any new deployment until the problem is resolved to mitigate disruption of

other carrier services. If the affected Parties are unable to resolve the problem, they will present factual evidence to the Commission for review and determination. If the Commission determines that the deployed technology is the cause of the interference, the deploying Party will remedy the problem by reducing the number of existing customers utilizing the technology or by migrating them to another technology that does not disturb.

- 55.7. When the only degraded service itself is a known disturber and the newly deployed technology is presumed acceptable pursuant to Section 55.4.3, the degraded service shall not prevail against the newly deployed technology.
- 55.8. If Sprint denies a request by TWTC to deploy a technology, it will provide detailed, specific information providing the reasons for the rejection.

## **56. FORECAST**

- 56.1. TWTC will provide monthly forecast information to Sprint updated quarterly on a rolling twelve-month basis for requests for Voice Grade Loops (including Subloops), Non-Voice Grade Loops (including Subloops), and HFS UNEs. An initial forecast meeting should be held soon after the first implementation meeting. A forecast should be provided at or prior to the first implementation meeting. The forecasts shall project the gain/loss of shared lines on a monthly basis by Sprint wire center and shall include a description of any major network projects planned by TWTC that will affect the demand. Forecast information shall be subject to the confidentiality provisions of this Agreement. Forecast information will be used solely for network planning and operations planning and shall not be disclosed within Sprint except as required for such purposes. Under no circumstances shall TWTC specific forecast information be disclosed to Sprint's retail organization (excluding solely those operational personnel engaged in network and operations planning), product planning, sales or marketing.
- 56.2. Upon request of either Party, the Parties shall meet to review their forecasts going forward if forecasts vary significantly from actual results.
- 56.3. Each Party shall provide a specified point of contact for planning purposes.

## **57. SERVICE DEGRADATION AND INTERFERENCE**

- 57.1. Each Party, whether TWTC or Sprint, agrees that should it cause any non-standard DSL technologies to be deployed or used in connection with or on Sprint facilities, that Party will pay all costs associated with any damage, service interruption or other telecommunications service degradation, or damage to the other Party's facilities.
- 57.2. For any technology, TWTC represents that its use of any Sprint network element, or of its own equipment or facilities in conjunction with any Sprint network element, will not materially interfere with or impair service over any facilities of Sprint, its affiliated companies or connecting and concurring carriers, cause damage to Sprint's plan, impair the privacy of any communications carried over

Sprint's facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, Sprint may discontinue or refuse service if TWTC violates this provision, provided that such termination of service will be limited to TWTC's use of the element(s) causing the violation. Sprint will not disconnect the elements causing the violation if, after receipt of written notice and opportunity to cure, TWTC demonstrates that their use of the network element is not the cause of the network harm.

## **58. LOOP MAKE-UP INFORMATION**

- 58.1. To the extent technically feasible, TWTC will be given access to Loop Qualification and OSS interfaces that Sprint is providing any other CLEC and/or Sprint or its affiliates. Sprint shall make available this Loop Qualification in a non-discriminatory manner at Parity with the data and access it gives itself and other CLECs, including affiliates. The charges for Loop Qualification are set forth in Part C, Table One to this Agreement.
- 58.2. Subject to Section 58.1 above, Sprint's Loop Qualification will provide response to TWTC queries. Until replaced with automated OSS access, Sprint will provide Loop Qualification access on a manual basis.
- 58.3. Information provided to TWTC will not be filtered or digested in a manner that it would affect TWTC's ability to qualify the loop for advanced services. Sprint will not refuse to supply information based on the availability of products offered by Sprint.
- 58.4. Sprint shall provide Loop Qualification based on the individual telephone number or address of an end-user in a particular wire center or NXX code. Loop Qualification requests will be rejected if the service address is not found within existing serving address information, if the telephone number provided is not a working number or if the POI identified is not a POI where the requesting TWTC connects to the Sprint LTD network.
- 58.5. Errors identified in validation of the Loop Qualification inquiry order will be passed back to TWTC.
- 58.6. Sprint may provide the requested Loop Qualification information to TWTC in whatever manner Sprint would provide to their own internal personnel, without jeopardizing the integrity of proprietary information (i.e. - fax, intranet inquiry, document delivery, etc.). If the data is provided via fax, TWTC must provide a unique fax number used solely for the receipt of Loop Qualification information.



- 58.7. If TWTC does not order Loop Qualification prior to placing an order for a loop for the purpose of provisioning of an advanced service and the advanced service cannot be successfully implemented on that loop, TWTC agrees that:
- 58.7.1. TWTC will be charged a Trouble Isolation Charge to determine the cause of the failure;
  - 58.7.2. If Sprint undertakes Loop Qualification activity to determine the reason for such failure, TWTC will be charged a Loop Qualification Charge; and
  - 58.7.3. If Sprint undertakes Conditioning activity for a particular loop to provide for the successful installation of advanced services, TWTC will pay applicable conditioning charges as set forth in Part C, Table One pursuant to Section 46 of this Agreement.

## **59. VOICE UNE-P AND EEL**

### **59.1. Combination of Network Elements**

- 59.1.1. TWTC may order Unbundled Network Elements either individually or in the combinations of VOICE UNE-P and EEL as specifically set forth in this Section of the Agreement.

### **59.2. Definitions**

- 59.2.1. EEL - Enhanced Extended Link (EEL). EEL for purposes of this Agreement refer to the existing unbundled network elements, specifically NID, loop, multiplexing (MUX) if necessary and transport, in the Sprint Network.
- 59.2.2. VOICE UNE-P - Voice Unbundled Network Element Platform (VOICE UNE-P). VOICE UNE-P for purposes of this Agreement refers to the existing unbundled network elements, specifically NID, Loop, Local Switch Port, Local Circuit Switching, Shared Transport, and Local Tandem Switching, in the Sprint Network and is used to carry traditional POTS analog circuit-switched voice band transmissions.

### **59.3. General Terms and Conditions**

- 59.3.1. Sprint will allow TWTC to order each Unbundled Network Element individually in order to permit TWTC to combine such Network Elements with other Network Elements obtained from Sprint as provided for herein, or with network components provided by itself or by third parties to provide Telecommunications Services to its customers, provided that such combination is technically feasible and would not impair the ability of other carriers to obtain access to other unbundled network elements or to interconnect with Sprint's network or in combination with any other Network Elements that are currently combined in Sprint's Network.

- 59.3.2. Sprint will provide TWTC access to VOICE UNE-P and EEL as provided in this Agreement. TWTC is not required to own or control any of its own local exchange facilities before it can purchase or use VOICE UNE-P or EEL to provide a telecommunications service under this Agreement. Any request by TWTC for Sprint to provide combined UNEs that are not otherwise specifically provided for under this Agreement will be made in accordance with the BFR process described in Section 44 and made available to TWTC upon implementation by Sprint of the necessary operational modifications.
- 59.3.3. The provisioning of VOICE UNE-P and EEL combinations is limited to existing facilities and Sprint is not obligated to construct additional facilities to accommodate any request by TWTC.
- 59.3.4. Notwithstanding Sprint's general duty to unbundle local Circuit Switching, Sprint shall not be required to unbundle local Circuit Switching, nor provide VOICE UNE-P for TWTC when TWTC serves end-users with four or more voice grade (DS0) equivalents or lines provided that Sprint provides nondiscriminatory access to combinations of unbundled loops and transport (EELs) throughout Density Zone 1, when Sprint's local circuit switches are located in the top 50 Metropolitan Statistical Areas as set forth in Appendix B of the *Third Report and Order and Fourth Further Notice of Proposed Rulemaking* in CC Docket 96-98, and in Density Zone 1, as defined in Section 69.123 on January 1, 1999 (the Exemption). Sprint may audit TWTC's UNE-P customer base in accordance with Section 8 of the Agreement to ensure TWTC's adherence to the Exemption.
- 59.4. Specific Combinations and Pricing
  - 59.4.1. In order to facilitate the provisioning of VOICE UNE-P and EEL Sprint shall support the ordering and provisioning of these specific combinations as set forth below.
  - 59.4.2. The Parties agree to negotiate an acceptable interim solution and support the development of industry standards for joint implementation. Ordering and provisioning for VOICE UNE-P and EEL will be converted to industry standards within a reasonable period of time after those standards have been finalized and Sprint has had the opportunity to implement necessary operation modifications.
- 59.5. Sprint Offers the Following Combinations of Network Elements
  - 59.5.1. Voice Unbundled Network Element Platform (UNE-P). VOICE UNE-P is the combination of the NID, Loop, Local Circuit Switching, Shared Transport, and Local Tandem Switching network elements.
    - 59.5.1.1. Sprint will offer the combination of the NID, Loop, Local Circuit Switching, Local Switch Port, Shared Transport, and

Local Tandem Switching (where Sprint is the provider of Shared Transport and Local Tandem Switching) unbundled network elements to provide VOICE UNE-P at the applicable recurring charges and non-recurring charges as specified in Part C, Table One for VOICE UNE-P plus the applicable Service Order Charge. Sprint will also bill TWTC for applicable Usage Data Recording and Transmission Charges as indicated in Part C, Table One.

59.5.1.2. Until such time as Sprint can bill the recurring charges for usage based VOICE UNE-P elements (Local Circuit Switching, Shared Transport, Local Tandem Switching), these charges will be billed to TWTC at the recurring flat rate charge reflected in Part C, Table One. Upon the implementation of the necessary operational modifications, Sprint will convert from billing TWTC based on this flat rated monthly charge to applicable usage based charges for the VOICE UNE-P elements.

59.5.1.3. Sprint will provide originating and terminating access records to TWTC for access usage over UNE-P. TWTC will be responsible for billing the respective originating and/or terminating access charges directly to the IXC.

59.5.1.4. Sprint will provide TWTC toll call records that will allow it to bill its end users for toll charges. Such record exchange will be in industry standard EMI format at the charges set forth in Part C, Table One. Any non-standard requested format would be handled through the BFR process as set forth in Section 44 of this Agreement.

59.5.2. EEL is the combination of the NID, Loop, and Dedicated Transport network elements.

59.5.2.1. Sprint will offer the combination of unbundled loops with unbundled dedicated transport as described herein to provide EEL at the applicable recurring and non-recurring charges as specified in Part C, Table One for EEL, the applicable recurring and nonrecurring charges for cross connects and Service Order Charges. Sprint will provide cross-connect unbundled 2 or 4-wire analog or 2-wire digital loops to unbundled voice grade/DS0, DS1, or DS3 dedicated transport facilities (DS0 dedicated transport is only available between Sprint central offices) for TWTC's provision of circuit switched telephone exchange service to TWTC's own end user customers.

59.5.2.2. Multiplexing shall be provided as necessary as part of dedicated transport.

- 59.5.2.3. In order to obtain EELs a requesting carrier must be providing a “significant amount of local exchange service” over the proposed EEL to the end user customer, as that phrase is defined by the FCC.
- 59.5.2.4. Sprint reserves the right, upon thirty (30) Days notice, to audit TWTC's local usage information when Sprint reasonably believes that TWTC has not met the local usage criteria defined by the FCC. Sprint will hire and pay for an independent auditor to perform the audit, TWTC will reimburse Sprint if the audit results confirm TWTC's non-compliance with the local usage criteria. Sprint will not request more than one audit in a calendar year unless an audit finds non-compliance, in which case, Sprint shall have the right to request an audit one additional time during that same calendar year. Sprint shall continue to have the additional audit right described above, so long as the Sprint audits indicate TWTC non-compliance. In the instance of non-compliance, TWTC shall convert the loop-transport combination to special access. This is in addition to Sprint’s audit rights pursuant to Section 8.
- 59.5.2.5. Notwithstanding the above limitations, pursuant to Section 59 of this Agreement, Sprint will offer EELs where the component UNEs are not previously or currently combined where Sprint is not required to provide local switching for switching used to serve end users with four or more lines in access density zone 1, in the top 50 Metropolitan Statistical Areas.

## PART F - INTERCONNECTION

### 60. LOCAL INTERCONNECTION TRUNK ARRANGEMENT

- 60.1. The Parties shall initially reciprocally terminate Local Traffic and IntraLATA/InterLATA toll calls originating on the other Party's network as follows:
  - 60.1.1. The Parties shall make available to each other one way or two-way trunks for the reciprocal exchange of combined Local Traffic, and non-equal access IntraLATA toll traffic. Neither Party is obligated under this Agreement to order reciprocal trunks or build facilities in the establishment of interconnection arrangements for the delivery of Internet traffic. The Party serving the Internet service provider shall order trunks or facilities from the appropriate tariff of the other Party for such purposes and will be obligated to pay the full cost of such facility.
    - 60.1.1.1. The Parties agree to initially use two-way trunks (one-way directionalized) for an interim period. The Parties shall transition from directionalized one-way trunks upon mutual agreement, to full duplex trunking absent engineering or billing issues. The Parties shall transition all one-way trunks established under this Agreement.
- 60.2. Separate two-way trunks will be made available for the exchange of equal-access InterLATA or IntraLATA interexchange traffic that transits Sprint's network.
- 60.3. Separate trunks will be utilized for connecting TWTC's switch to each 911/E911 tandem.
- 60.4. Points of Interconnection
  - 60.4.1. Physical Point of Interconnection. TWTC must establish a minimum of one Physical POI within in each LATA, at any technically feasible point, on Sprint's network.
    - 60.4.1.1. TWTC will be responsible for engineering and maintaining its network on its side of the Physical POI. Sprint will be responsible for engineering and maintaining its network on its side of the Physical POI.
    - 60.4.1.2. For construction of new facilities when the Parties choose to interconnect at a mid-span meet, TWTC and Sprint will jointly provision the facilities that connect the two networks. Sprint will be the "controlling carrier" for purposes of MECOD guidelines, as described in the joint implementation plan. Sprint will provide fifty percent (50%) of the facilities or to its exchange boundary, whichever is less.

- 60.4.1.3. If third party (*i.e.* Competitive Access Provider or “CAP”) leased facilities are used for interconnection, the Physical POI will be defined as the Sprint office in which the third party’s leased circuit terminates.
- 60.4.2. Intentionally left blank
- 60.5. Technical Requirements for Interconnection
  - 60.5.1. Interconnection at the Sprint Tandem:
    - 60.5.1.1. Interconnection to Sprint Tandem Switch(es) will provide TWTC local interconnection for local service purposes to the Sprint end offices and NXXs which subtend that tandem(s), where local trunking is provided, and access to the toll network.
    - 60.5.1.2. Interconnection to a Sprint Tandem for transit purposes will provide access to telecommunications carriers which are connected to that Tandem Switch.
    - 60.5.1.3. Where a Sprint Tandem Switch also provides End-Office Switch functions, interconnection to a Sprint tandem serving that exchange will also provide TWTC access to Sprint’s end offices.
  - 60.5.2. Interconnection at the Sprint End Office
    - 60.5.2.1. Interconnection to Sprint End Office Switch will provide TWTC local interconnection for local service purposes to the Sprint NXX codes served by that end office and any Sprint NXXs served by remotes that subtend those End Offices.

## **61. INTERCONNECTION COMPENSATION MECHANISMS**

- 61.1. Interconnection Compensation
  - 61.1.1. Sprint is responsible for transport to the Physical POI when the Physical POI is within the same local calling area where the call originates.
  - 61.1.2. TWTC must compensate Sprint for the transport of ISP bound traffic when transport of such traffic is required outside Sprint’s Local Calling Area where the call originates to deliver the traffic to the POI. Such transport will be at TELRIC based transport rates.
- 61.2. Compensation for Local Traffic Transport and Termination
  - 61.2.1. The Physical POI determines the point at which the originating carrier shall begin paying the terminating carrier for the completion of that traffic. The following compensation elements shall apply:

- 61.2.1.1. “Transport,” which includes common transport and any necessary Tandem Switching of Local Traffic from the interconnection point between the two carriers to the terminating carrier’s end-office switch that directly serves the called end-user; and
- 61.2.1.2. “Termination,” which includes the switching of Local Traffic at the terminating carrier’s end office switch.
- 61.2.1.3. The transport and termination charges for Local Traffic flowing through a Physical POI shall be as follows:
  - 61.2.1.3.1. In a meet point arrangement, when calls from TWTC are terminating on Sprint’s network through the Sprint Tandem Switch, TWTC will pay Sprint a charge for Tandem Switching, common transport to the end office, and end-office termination.
  - 61.2.1.3.2. When the Physical POI is at the Sprint Tandem Switch, TWTC shall pay a charge for Tandem Switching, common transport to the end office and end-office termination.
  - 61.2.1.3.3. Charges billed to Sprint by TWTC for the transport and termination of Local Telecommunications Traffic will be equal to those that Sprint assesses TWTC for the same services. Where TWTC is interconnected at a Sprint tandem and Sprint delivers its traffic to TWTC directly from an end office, Sprint shall pay TWTC end office termination. Where TWTC is interconnected at a Sprint tandem and Sprint delivers its traffic to TWTC from the tandem and TWTC switch serves a geographical area greater than or equal to the area served by the Sprint tandem, Sprint shall pay TWTC for Tandem Switching, common transport, and end-office termination. If TWTC switch serves a geographical area less than the area served by the Sprint tandem, Sprint shall pay TWTC end-office termination.
  - 61.2.1.3.4. To validate the geographic area TWTC must provide supporting documentation to Sprint that:
    - 61.2.1.3.4.1. TWTC’s switch serves a geographic area that is roughly

the same size as the area served by the Sprint tandem switch;

61.2.1.3.4.2. TWTC has obtained NPA/NXX codes to serve the exchanges within the geographic area; and,

61.2.1.3.4.3. TWTC is serving the area using its own switch with its own facilities or a combination of its own facilities and leased facilities connected to its collocation arrangements.

61.2.1.3.5. TWTC may choose to establish a Physical POI at a Sprint end office, where technically feasible. For TWTC originated calls TWTC shall pay Sprint end-office termination. For Sprint originated traffic terminating to TWTC at that end office, compensation payable by Sprint shall be the same as that detailed in Section 61.2.1.3.3 above.

## **62. SIGNALING**

62.1. Signaling protocol. The parties will interconnect their networks using SS7 signaling where technically feasible and available as defined in FR 905 Telcordia Standards including ISDN user part (ISUP) for trunk signaling and TCAP for CCS-based features in the interconnection of their networks. All Network Operations Forum (NOF) adopted standards shall be adhered to.

62.2. Standard interconnection facilities shall be extended superframe (ESF) with B8ZS line code. Where ESF/B8ZS is not available, TWTC will agree to using other interconnection protocols on an interim basis until the standard ESF/B8ZS is available. Sprint will provide anticipated dates of availability for those areas not currently ESF/B8ZS compatible.

62.2.1. Where TWTC is unwilling to utilize an alternate interconnection protocol, TWTC will provide Sprint an initial forecast of 64 Kbps clear channel capability ("64K CCC") trunk quantities within thirty (30) Days of the Effective Date consistent with the forecasting agreements between the Parties. Upon receipt of this forecast, the Parties will begin joint planning for the engineering, procurement, and installation of the segregated 64K CCC Local Interconnection Trunk Groups, and the associated ESF facilities, for the sole purpose of transmitting 64K CCC data calls between TWTC and Sprint. Where additional equipment is required, such equipment would be obtained, engineered, and installed on the same basis and with the same intervals as any similar growth job



for IXC, CLEC, or Sprint internal customer demand for 64K CCC trunks.

## **63. NETWORK SERVICING**

### **63.1. Trunk Forecasting**

63.1.1. The Parties shall work towards the development of joint forecasting responsibilities for traffic utilization over trunk groups. Orders for trunks that exceed forecasted quantities for forecasted locations will be accommodated as facilities and or equipment are available. The Parties shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate orders when facilities are not available. Intercompany forecast information must be provided by the Parties to each other twice a year. The initial trunk forecast meeting should take place soon after the first implementation meeting. A forecast should be provided at or prior to the first implementation meeting. The semi-annual forecasts shall project trunk gain/loss on a monthly basis for the forecast period, and shall include:

63.1.1.1. Semi-annual forecasted trunk quantities (which include baseline data that reflect actual Tandem and end office Local Interconnection and meet point trunks and Tandem-subtending Local Interconnection end office equivalent trunk requirements) for no more than two years (current plus one year);

63.1.1.2. The use of Common Language Location Identifier (CLLI-MSG), which are described in Telcordia documents BR 795-100-100 and BR 795-400-100;

63.1.1.3. Description of major network projects that affect the other Party will be provided in the semi-annual forecasts. Major network projects include but are not limited to trunking or network rearrangements, shifts in anticipated traffic patterns, or other activities by either Party that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.

63.1.2. Parties shall meet to review and reconcile their forecasts if forecasts vary significantly.

63.1.3. Each Party shall provide a specified point of contact for planning forecasting and trunk servicing purposes.

63.1.4. Trunking can be established to Tandems or end offices or a combination of both via either one-way or two-way trunks. Trunking will be at the DS-0, DS-1, DS-3/OC-3 level, or higher, as agreed upon by TWTC and Sprint.

- 63.1.5. The Parties agree to abide by the following if a forecast cannot be agreed to: local interconnection trunk groups will be provisioned to the higher forecast. A blocking standard of one percent (1%) during the average busy hour shall be maintained. Should the Parties not agree upon the forecast, and the Parties engineer facilities at the higher forecast, the Parties agree to abide by the following:
  - 63.1.5.1. In the event that one Party over-forecasts its trunking requirements by twenty percent (20%) or more, and the other Party acts upon this forecast to its detriment, the other Party may recoup any actual and reasonable expense it incurs.
  - 63.1.5.2. The calculation of the twenty percent (20%) over-forecast will be based on the number of DS-1 equivalents for the total traffic volume to Sprint.
  - 63.1.5.3. Expenses will only be recouped for non-recoverable facilities that cannot otherwise be used at any time within twelve (12) months after the initial installation for another purpose including but not limited to: other traffic growth between the Parties, internal use, or use with another party.
- 63.2. Grade of Service. An overall blocking standard of one percent (1%) during the average busy hour, as defined by each Party's standards, for final trunk groups between a TWTC end office and a Sprint access Tandem carrying meet point traffic shall be maintained. All other Tandem trunk groups are to be engineered with a blocking standard of one percent (1%). Direct end office trunk groups are to be engineered with a blocking standard of one percent (1%).
- 63.3. Trunk Servicing. Orders between the Parties to establish, add, change or disconnect trunks shall be processed by use of an ASR, or another industry standard eventually adopted to replace the ASR for trunk ordering.

## **64. NETWORK MANAGEMENT**

- 64.1. Protective Protocols. Either Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps on traffic toward each other's network, when required to protect the public switched network from congestion due to facility failures, switch congestion or failure or focused overload. TWTC and Sprint will immediately notify each other of any protective control action planned or executed.
- 64.2. Expansive Protocols. Where the capability exists, originating or terminating traffic reroutes may be implemented by either Party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes will not be used to circumvent normal trunk servicing. Expansive controls will only be used when mutually agreed to by the Parties.
- 64.3. Mass Calling. TWTC and Sprint shall cooperate and share pre-planning

information, where available, regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes, to prevent or mitigate the impact of these events on the public switched network. Mass calling numbers cannot be used in conjunction with INP.

## **65. USAGE MEASUREMENT**

- 65.1. Each Party shall calculate terminating interconnection minutes of use based on standard AMA recordings made within each Party's network, these recordings being necessary for each Party to generate bills to the other Party. In the event either Party cannot measure minutes terminating on its network where technically feasible, the other Party shall provide the measuring mechanism or the Parties shall otherwise agree on an alternate arrangement.
- 65.2. Measurement of minutes of use over Local Interconnection trunk groups shall be in actual conversation seconds. The total conversation seconds over each individual Local Interconnection trunk group will be totaled for the entire monthly bill period and then rounded to the next whole minute.
- 65.3. Prior to the commencement of billing for interconnection, each Party shall provide to the other, a PLU factor for the billing of terminating traffic.
  - 65.3.1. The Parties agree to review the accuracy of the PLU on a regular basis. If the initial PLU is determined to be inaccurate by more than twenty percent (20%), the Parties agree to implement the new PLU retroactively to the Effective Date of the contract.

## **66. TRANSIT TRAFFIC**

- 66.1. Transit Traffic means the delivery of local traffic by CLEC or Sprint originated by the end user of one Party and terminated to a third party LEC, ILEC, or CMRS provider over the local/intraLATA interconnection trunks. The following traffic types will be delivered by either Party: local traffic, intraLATA toll and CMRS switched traffic originated from CLEC or Sprint and delivered to such third party LEC, ILEC or CMRS; and intraLATA 800 traffic.
- 66.2. Terms and Conditions
  - 66.2.1. Each Party acknowledges that it is the originating Party's responsibility to enter into transiting arrangements with the third-party LEC providing the Transit Services. Each Party acknowledges that the transiting Party does not have any responsibility to pay any third-party Telecommunications Carrier charges for termination of any identifiable Transit Traffic from the originating Party. Both Parties reserve the right not to pay such charges on behalf of the originating Party. Each Party acknowledges that it is the originating Party's responsibility to enter into arrangements with each third party LEC, TWTC, or CMRS provider for the exchange of transit traffic to that third party, unless the Parties agree otherwise in writing. Each Party acknowledges that the Transit Provider

does not have any responsibility to pay any third party LEC, TWTC or CMRS provider charges for termination or any identifiable transit traffic from the originating Party. Both Parties reserve the right not to pay such charges on behalf of the originating Party.

66.2.2. Each terminating Party is responsible for billing the originating company for traffic terminated on its respective network. For Indirect Traffic, the originating Party will provide the originating billing information to the terminating Party, if technically feasible. If the originating Party cannot provide the originating billing information to the terminating Party, then the terminating Party must obtain the originating billing information from the third-party transit company. Any costs incurred by the terminating Party in obtaining the records, and costs incurred in manual billing, will be billed back to the originating Party. It is each Party's responsibility to enter into appropriate contractual arrangements with the third-party transit company in order to obtain the originating billing information from the transit company.

### 66.3. Payment Terms and Conditions

66.3.1. In addition to the payment terms and conditions contained in other sections of this Agreement, the Parties shall compensate each other for transit service as follows:

66.3.1.1. The originating Party shall pay to the transiting Party a transit service charge as set forth in the Pricing Schedule; and

66.3.1.2. If the terminating Party requests, and the transiting Party does not provide, the terminating Party with the originating record in order for the terminating Party to bill the originating Party, the terminating Party shall default bill the transiting Party for transited traffic which does not identify the originating Party.

### 66.4. Billing Records and Exchange of Data

66.4.1. Parties will use the best efforts to convert all networks transporting transit traffic to deliver each call to the other Party's network with SS7 Common Channel Interoffice Signaling (CCIS) and other appropriate TCAP messages in order to facilitate full interoperability and billing functions. The Parties agree to send all message indicators, including originating telephone number, local routing number and CIC.

66.4.2. The transiting Party agrees to provide the terminating Party information on traffic originated by a third party TWTC, ILEC, or CMRS provider. To the extent Sprint incurs additional cost in providing this billing information, TWTC agrees to reimburse Sprint for its direct costs of providing this information.

66.4.3. To the extent that the industry adopts a standard record format for

recording originating and/or terminating transit calls, both Parties agree to comply with the industry-adopted format to exchange records.

## **67. INDIRECT TRAFFIC**

### **67.1. Interconnection**

67.1.1. For purposes of exchanging Indirect Traffic there is no physical or direct point of interconnection between the Parties, therefore neither Party is required to construct new facilities or make mid-span meet arrangements available to the other Party for Indirect Traffic.

67.1.2. Interconnection to a Carrier location within a tandem serving area will provide Sprint with access to the Carrier's facilities within that MTA and to other companies which are likewise connected to Carrier within that tandem serving area for local and toll service purposes.

### **67.2. Exchange Of Traffic**

67.2.1. The Parties will send each other Indirect Traffic, and may also send each other Transit Traffic.

67.2.2. Each Party acknowledges that it is the originating Party's responsibility to enter into transiting arrangements with the third party providing the transit services. Each Party acknowledges that the transiting Party does not have any responsibility to pay any third party Telecommunications Carrier charges for termination of any identifiable Transit Traffic from the originating Party.

- 67.2.3. Each Party is responsible for the transport of originating calls from its network to its point of interconnection with the transiting Party.
  - 67.2.4. Sprint reserves the right to require development and reporting of a jurisdictional usage factor indicating local/EAS, intrastate toll (access/toll) interstate access usage and CMRS, if applicable or TWTC's actual usage reporting. Sprint and TWTC reserve the right to measure and audit all traffic to ensure that proper rates are being applied. TWTC agrees to work with Sprint to insure the necessary traffic data required for sampling purposes is available for such audit.
- 67.3. Compensation for Indirect Traffic
- 67.3.1. Non-Local and Non-ISP-Bound Indirect Traffic
    - 67.3.1.1. Compensation for the termination of non-Local traffic, non-ISP-Bound Traffic and the origination of 800 traffic between the interconnecting Parties shall be based on the applicable access charges in accordance with FCC and Commission Rules and Regulations.
    - 67.3.1.2. Toll traffic, switched access, and special access traffic, if separately chargeable, shall be charged the appropriate rate out of the terminating Carrier's tariff or via other appropriate meet point access arrangements. Where exact transport mileage is not available, an average, arrived at by mutual agreement of the Parties, will be used.
  - 67.3.2. Local Traffic and ISP-Bound Traffic. The rates set forth on Part C, Table One shall apply, in accordance with Part C, Section 37.
    - 67.3.2.1. Indirect Traffic Terminating to Sprint
      - 67.3.2.1.1. Each rate element utilized in completing a call shall be charged for completion of that call. For example, a call terminating from Carrier through the transiting party, and over Sprint facilities through a Sprint Tandem Switch to a Sprint End Office Switch would include charges from Sprint to Carrier for Common Transport to the Tandem Switch, Tandem Switching, Common Transport to the End Office Switch and End Office switching. A call terminating from Carrier through the transiting party, and then over Sprint facilities through a Sprint End Office Switch to a Sprint Remote Switch would include charges from Sprint to Carrier for Common Transport to the End Office Switch (except where the transiting party is collocated

in the Sprint End Office), End Office switching, and Common Transport to the Remote Switch.

67.3.2.2. Indirect Traffic Terminating to Carrier:

67.3.2.2.1. For Indirect Traffic terminating on Carrier's network, Carrier will bill Sprint the same rates as Sprint charges Carrier for Indirect Local Traffic terminating on Sprint's network.

67.3.3. Transit Traffic. The originating Party shall pay the transiting Party for the rate elements used, including Common Transport and Tandem Switching rate elements.

## **68. RESPONSIBILITIES OF THE PARTIES**

- 68.1. Sprint and TWTC will review engineering requirements consistent with the Implementation Plan described in Part B, Section 32 and Part C, Part F, Section 63 and otherwise as set forth in this Agreement.
- 68.2. TWTC and Sprint shall share responsibility for all Control Office functions for Local Interconnection Trunks and Trunk Groups, and both parties shall share the overall coordination, installation, and maintenance responsibilities for these trunks and trunk groups.
- 68.3. TWTC and Sprint shall:
  - 68.3.1. Provide trained personnel with adequate and compatible test equipment to work with each other's technicians.
  - 68.3.2. Notify each other when there is any change affecting the service requested, including the due date.
  - 68.3.3. Coordinate and schedule testing activities of their own personnel, and others as applicable, to ensure its interconnection trunks/trunk groups are installed per the interconnection order, meet agreed-upon acceptance test requirements, and are placed in service by the due date.
  - 68.3.4. Perform sectionalization to determine if a trouble is located in its facility or its portion of the interconnection trunks prior to referring the trouble to each other.
  - 68.3.5. Advise each other's Control Office if there is an equipment failure which may affect the interconnection trunks.
  - 68.3.6. Provide each other with a trouble reporting/repair contact number that is readily accessible and available twenty-four (24) hours/seven (7) days a week. Any changes to this contact arrangement must be immediately provided to the other Party.
  - 68.3.7. Provide to each other test-line numbers and access to test lines.

- 68.3.8. Cooperatively plan and implement coordinated repair procedures for the meet point and Local Interconnection trunks and facilities to ensure trouble reports are resolved in a timely and appropriate manner.



## **PART G - INTERIM NUMBER PORTABILITY**

### **69. SPRINT PROVISION OF INTERIM NUMBER PORTABILITY**

- 69.1. Sprint shall provide INP in accordance with requirements of the Act and FCC Rules and Regulations. INP shall be provided with minimum impairment of functionality, quality, reliability and convenience to subscribers of TWTC services until such time as LNP service is offered in the Sprint rate center, in which case INP will be discontinued. Beginning on the date LNP is available in an area, INP orders will no longer be processed, and the Parties will work together to convert the existing INP lines to LNP.

### **70. INTERIM NUMBER PORTABILITY**

- 70.1. Interim Number Portability (INP) shall be provided to the extent technical capabilities allow, by a Sprint directed Remote Call Forwarding (RCF). In the event RCF is a purchased feature of TWTC end user, there is no relationship between RCF and INP. Once LNP is generally available in Sprint's serving area, RCF will be provided only as a retail service offering by Sprint.
- 70.2. Remote Call Forwarding (RCF) is an INP method to provide subscribers with service-provider portability by redirecting calls within the telephone network. When RCF is used to provide interim number portability, calls to the ported number will first route to the Sprint switch to which the ported number was previously assigned. The Sprint switch will then forward the call to a number associated with TWTC designated switch to which the number is ported. TWTC may order any additional paths to handle multiple simultaneous calls to the same ported telephone number.
- 70.3. The trunking requirements will be agreed upon by Sprint and TWTC resultant from application of sound engineering principles. These trunking options may include SS7 signaling, in-band signaling, and may be one-way or two-way. The trunks used may be the same as those used for exchange of other Local Traffic and toll traffic between Sprint and TWTC.
- 70.4. Local Exchange Routing Guide (LERG) Reassignment. Portability for an entire NXX shall be provided by utilizing reassignment of the block to TWTC through the LERG. Updates to translations in the Sprint switching office from which the telephone number is ported will be made by Sprint prior to the date on which LERG changes become effective, in order to redirect calls to TWTC switch via route indexing.
- 70.5. Other Currently Available Number Portability Provisions:
  - 70.5.1. Where SS7 is available, Sprint shall exchange with TWTC, SS7 TCAP messages as required for the implementation CLASS or other features available in the Sprint network, if technically feasible.

- 70.5.2. Upon notification that TWTC will be initiating INP, Sprint shall disclose to TWTC any technical or capacity limitations that would prevent use of the requested INP in the affected switching office. Sprint and TWTC shall cooperate in the process of porting numbers to minimize subscriber out-of-service time, including promptly updating switch translations, where necessary, after notification that physical cut-over has been completed (or initiated), as TWTC may designate.
- 70.5.3. For INP, TWTC shall have the right to use the existing Sprint 911 infrastructure for all 911 capabilities. When RCF is used for TWTC subscribers, both the ported numbers and shadow numbers shall be stored in ALI databases. TWTC shall have the right to verify the accuracy of the information in the ALI databases.
  - 70.5.3.1. When any INP method is used to port a subscriber, the donor provider must maintain the LIDB record for that number to reflect appropriate conditions as reported to it by the porting service provider. The donor must outclear call records to TWTC for billing and collection from the subscriber. Until such time as Sprint's LIDB has the software capability to recognize a ported number as TWTC's, Sprint shall store the ported number in its LIDB at no charge and shall retain revenue for LIDB look-ups to the ported number. At such time as Sprint's LIDB has the software capability to recognize that the ported number is TWTC's then, if TWTC desires to store numbers on Sprint's LIDB, the parties shall negotiate a separate LIDB database storage and look-up agreement.
- 70.5.4. Sprint will send a CARE transaction 2231 to notify IXC that access is now provided by a new TWTC for that number.

## **71. REQUIREMENTS FOR INP**

### **71.1. Cut-Over Process**

- 71.1.1. Sprint and TWTC shall cooperate in the process of porting numbers from one carrier to another so as to limit service outage for the ported subscriber.
  - 71.1.1.1. For a Coordinated Cutover Environment, Sprint and TWTC will coordinate the disconnect and switch translations as close to the requested time as possible. The coordination shall be pre-specified by TWTC and agreed to by both Parties and in no case shall begin more than thirty (30) minutes after the agreed upon time.
  - 71.1.1.2. For a Non-Coordinated Cutover Environment, the Parties will agree to a mutually satisfactory cutover time and Sprint

shall schedule an update of disconnect and switch translations at the agreed upon cutover time. Such updates will be available to TWTC at Parity with Sprint's own availability for such activity. Sprint and TWTC shall each provide an appropriate operations contact with whom the Parties can contact in the event manual intervention is needed to complete the cutover. In the event of manual intervention, and if Sprint is unable to resolve the issue within sixty (60) minutes, Sprint shall notify TWTC of the issue and TWTC and Sprint shall determine the plan to resolve it.

- 71.2. Testing. Sprint and TWTC shall cooperate in conducting TWTC's testing to ensure interconnectivity between systems. Sprint shall inform TWTC of any system updates that may affect TWTC network and Sprint shall, at TWTC's request, perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement.
- 71.3. Installation Timeframes
  - 71.3.1. Installation Time Frames for RCF INP, where no other work is required, will be completed using Sprint's standard interval for service installation of complex services.
  - 71.3.2. If a subscriber elects to move its Telephone Exchange Service back to Sprint while on an INP arrangement, Sprint shall notify TWTC of the Subscriber's termination of service with TWTC and the Subscriber's instructions regarding its telephone number(s) at Parity with what is offered to other Sprint customers.
- 71.4. Call Referral Announcements. Should TWTC direct Sprint to terminate INP measures, Sprint shall allow TWTC to order a referral announcement available in that switch.
- 71.5. Engineering and Maintenance. Sprint and TWTC will cooperate to ensure that performance of trunking and signaling capacity is engineered and managed at levels which are at Parity with that provided by Sprint to its subscribers and to ensure effective maintenance testing through activities such as routine testing practices, network trouble isolation processes and review of operational elements for translations, routing and network fault isolation.
- 71.6. Operator Services and Directory Assistance
  - 71.6.1. With respect to operator services and directory assistance associated with INP for TWTC subscribers, Sprint shall provide the following:
    - 71.6.1.1. While INP is deployed:
      - 71.6.1.1.1. Sprint shall allow TWTC to order provisioning of Telephone Line Number (TLN) calling cards and Billed Number Screening (BNS), in its

LIDB, for ported numbers, as specified by TWTC. Sprint shall continue to allow TWTC access to its LIDB. Other LIDB provisions are specified in this Agreement.

71.6.1.1.2. Where Sprint has control of directory listings for NXX codes containing ported numbers, Sprint shall maintain entries for ported numbers as specified by TWTC.

71.6.2. Sprint OSS shall meet all requirements specified in “Generic Operator Services Switching Requirements for Number Portability,” Issue 1.00, Final Draft, April 12, 1996. Editor - Nortel.

71.7. Number Reservation. When a subscriber ports to another service provider and has previously secured, via a tariffed offering, a reservation of line numbers from the donor provider for possible activation at some future point, these reserved but inactive numbers shall “port” along with the active numbers being ported by the subscriber in order to ensure that the end user subscriber will be permitted to expand its service using the same number range it could use if it remained with the donor provider. However, Sprint will not port vacant numbers.

## PART H - LOCAL NUMBER PORTABILITY

### 72. INTRODUCTION

- 72.1. Upon implementation of LNP, both Parties agree to conform and provide such LNP pursuant to FCC regulations and compliance with the Industry Forum. To the extent consistent with the FCC and Industry rules as amended from time to time, the requirements for LNP shall include the following:
- 72.1.1. Subscribers must be able to change local service providers and retain the same telephone number(s) within the serving wire center utilizing the portability method in effect within the porting MSA, as offered by the porting carrier, and within the area of portability as defined by the FCC or state commission having jurisdiction over this Agreement.
  - 72.1.2. The LNP network architecture shall not subject Parties to any degradation of service in any relevant measure, including transmission quality, switching and transport costs, increased call set-up time and post-dial delay.
  - 72.1.3. Parties agree that when an NXX is defined as portable, it shall also be defined as portable in all LNP capable offices which have direct trunks to the given switch.
  - 72.1.4. When a subscriber ports to another service provider and has previously secured a reservation of line numbers from the donor provider for possible activation at some future point, these reserved but inactive numbers shall port along with the active numbers being ported by the subscriber only in states where appropriate charges from Sprint tariffs are executed for reserved numbers.
  - 72.1.5. NXX Availability. Not all NXXs in each CO may be available for porting.
  - 72.1.6. LERG Reassignment. Portability for an entire NXX shall be provided by utilizing reassignment of the NXX to TWTC through the LERG.
  - 72.1.7. Coordination of service order work outside normal business hours (8:00AM to 5:00PM) shall be at requesting Party's expense. Premium rates will apply for service order work performed outside normal business hours, weekends, and holidays.
  - 72.1.8. Mass Calling Events. Parties will notify each other at least seven (7) Days in advance where ported numbers are utilized. Parties will only port mass calling numbers using switch translations and a choke network for call routing. Porting on mass calling numbers will be handled outside the normal porting process and comply with any applicable state or federal regulatory requirements developed for mass calling numbers.

### **73. TRANSITION FROM INP TO LNP**

- 73.1. Existing INP Arrangements. As Sprint provisions LNP according to the industry schedule in a Wire Center/Central Office, there will be a maximum of a ninety (90) Day transition from INP to LNP. At that time, TWTC will be required to fully implement LNP according to industry standards.
- 73.2. Once LNP is available in an area, all new portability will be LNP and INP will no longer be offered.

### **74. TESTING**

- 74.1. An Interconnection Agreement (or Memorandum of Understanding, or Porting Agreement) detailing conditions for LNP must be in effect between the Parties prior to testing.
- 74.2. Testing and operational issues will be addressed in the implementation plans as described in Part B, Section 32 of the agreement.
- 74.3. TWTC must be NPAC certified and have met Sprint testing parameters prior to activating LNP. If LNP implementation by a TWTC/CMRS provider occurs past the FCC activation date, testing and porting will be done at TWTC's expense.
- 74.4. Parties will cooperate to ensure effective maintenance testing through activities such as routine testing practices, network trouble isolation processes and review of operational elements for translations, routing and network fault isolation.
- 74.5. Parties shall cooperate in testing performed to ensure interconnectivity between systems. All LNP providers shall notify each connected provider of any system updates that may affect TWTC or Sprint network. Each LNP provider shall, at each other's request, jointly perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement or in the Implementation Plan.

### **75. ENGINEERING AND MAINTENANCE**

- 75.1. Each LNP provider will monitor and perform effective maintenance through testing and the performance of proactive maintenance activities such as routine testing, development of and adherence to appropriate network trouble isolation processes and periodic review of operational elements for translations, routing and network faults.
- 75.2. It will be the responsibility of the Parties to ensure that the network is stable and maintenance and performance levels are maintained in accordance with state commission requirements. It will be the responsibility of the Parties to perform fault isolation in their network before involving other providers.
- 75.3. Additional engineering and maintenance requirements shall apply as specified in this Agreement or the Implementation Plan.

**76. E911/911**

- 76.1. When a subscriber ports to another service provider, the donor provider shall unlock the information in the 911/ALI database. The porting provider is responsible for updating the 911 tandem switch routing tables and 911/ALI database to correctly route, and provide accurate information to PSAP call centers.
- 76.2. Prior to implementation of LNP, the Parties agree to develop, implement, and maintain efficient methods to maintain 911 database integrity when a subscriber ports to another service provider. The Parties agree that the customer shall not be dropped from the 911 database during the transition.

**77. BILLING FOR PORTED NUMBERS**

- 77.1. When an IXC terminates an InterLATA or IntraLATA toll call to either Party's local exchange customer whose telephone number has been ported from one Party to the other, the Parties agree that the Party to whom the number has been ported shall receive revenues from those IXC access charges associated with end office switching, local transport, RIC, and CCL, as appropriate, and such other applicable charges. For local exchanges that are not LNP capable, such access charge payments will be adjusted to the extent that the paying Party has already paid Reciprocal Compensation for the same minutes of use. When a call for which access charges are not applicable is terminated to a Party's local exchange customer whose telephone number has been ported from the other Party, the Parties agree that the Reciprocal compensation arrangements described in this Agreement shall apply.
- 77.2. Non-Payment. Customers lose the right to the ported telephone number upon non-payment of charges. Sprint will not port telephone numbers of customers who have bills in default unless required by the FCC or Commission.

## **PART I - GENERAL BUSINESS REQUIREMENTS**

### **78. PROCEDURES**

#### **78.1. Contact with Subscribers**

- 78.1.1. Each Party at all times shall be the primary contact and account control for all interactions with its subscribers, except as specified by that Party. Subscribers include active subscribers as well as those for whom service orders are pending.
- 78.1.2. Each Party shall ensure that any of its personnel who may receive subscriber inquiries, or otherwise have opportunity for subscriber contact from the other Party's subscribers regarding the other Party's services: (i) provide appropriate referrals to subscribers who inquire about the other Party's services or products; (ii) do not in any way disparage or discriminate against the other Party, or its products or services; and (iii) do not provide information about its products or services during that same inquiry or subscriber contact.
- 78.1.3. Sprint shall not use TWTC's request for subscriber information, order submission, or any other aspect of TWTC's processes or services to aid Sprint's marketing or sales efforts.

#### **78.2. Expedite and Escalation Procedures**

- 78.2.1. Sprint and TWTC shall develop mutually acceptable escalation and expedite procedures which may be invoked at any point in the Service Ordering, Provisioning, Maintenance, and Subscriber Usage Data transfer processes to facilitate rapid and timely resolution of disputes. In addition, Sprint and TWTC will establish intercompany contacts lists for purposes of handling subscriber and other matters which require attention/resolution outside of normal business procedures within thirty (30) Days after TWTC's request. Each Party shall notify the other Party of any changes to its escalation contact list as soon as practicable before such changes are effective.
  - 78.2.2. No later than thirty (30) Days after TWTC's request Sprint shall provide TWTC with contingency plans for those cases in which normal Service Ordering, Provisioning, Maintenance, Billing, and other procedures for Sprint's unbundled Network Elements, features, functions, and resale services are inoperable.
- 78.3. **Subscriber of Record.** Sprint shall recognize TWTC as the Subscriber of Record for all Network Elements or services for resale ordered by TWTC and shall send all notices, invoices, and information which pertain to such ordered services directly to TWTC. TWTC will provide Sprint with addresses to which Sprint shall send all such notices, invoices, and information.



#### 78.4. Service Offerings

- 78.4.1. Sprint shall provide TWTC with access to new services, features and functions concurrent with Sprint's notice to TWTC of such changes, if such service, feature or function is installed and available in the network or as soon thereafter as it is installed and available in the network, so that TWTC may conduct market testing.
- 78.4.2. Essential Services. For purposes of service restoration, Sprint shall designate a TWTC access line as an Essential Service Line (ESL) at Parity with Sprint's treatment of its own subscribers and applicable state law or regulation, if any.
- 78.4.3. Blocking Services. Upon request from TWTC, employing Sprint-approved LSR documentation, Sprint shall provide blocking of 700, 900, and 976 services, or other services of similar type as may now exist or be developed in the future, and shall provide Billed Number Screening (BNS), including required LIDB updates, or equivalent service for blocking completion of bill-to-third party and collect calls, on a line, PBX, or individual service basis. Blocking shall be provided the extent (a) it is an available option for the Telecommunications Service resold by TWTC, or (b) it is technically feasible when requested by TWTC as a function of unbundled Network Elements.
- 78.4.4. Training Support. Sprint shall provide training, on a non-discriminatory basis, for all Sprint employees who may communicate, either by telephone or face-to-face, with TWTC subscribers. Such training shall include compliance with the branding requirements of this Agreement including without limitation provisions of forms, and unbranded "Not at Home" notices.

### 79. ORDERING AND PROVISIONING

- 79.1. Ordering and Provisioning Parity. Sprint shall provide necessary ordering and provisioning business process support as well as those technical and systems interfaces as may be required to enable TWTC to provide the same level and quality of service for all resale services, functions, features, capabilities and unbundled Network Elements at Parity.
- 79.2. National Exchange Access Center (NEAC)
  - 79.2.1. Sprint shall provide a NEAC or equivalent which shall serve as TWTC's point of contact for all activities involved in the ordering and provisioning of Sprint's unbundled Network Elements, features, functions, and resale services.
  - 79.2.2. The NEAC shall provide to TWTC a nationwide telephone number (available from 6:00 a.m. to 8:00 p.m. Eastern Standard Time, Monday through Friday, and 8:00 am through 5:00 P.M. Eastern Standard Time

on Saturday) answered by competent, knowledgeable personnel and trained to answer questions and resolve problems in connection with the ordering and provisioning of unbundled Network Elements (except those associated with local trunking interconnection), features, functions, capabilities, and resale services.

- 79.2.3. Sprint shall provide, as requested by TWTC, through the NEAC, provisioning and premises visit installation support in the form of coordinated scheduling, status, and dispatch capabilities during Sprint's standard business hours and at other times as agreed upon by the Parties to meet subscriber demand.
- 79.3. Street Index Guide (SIG). Within thirty (30) Days of TWTC's written request, Sprint shall provide to TWTC the SIG data, or its equivalent, in an electronic format mutually agreeable to the parties. All changes and updates to the SIG shall be provided to in a mutually agreed format and timeframe.
- 79.4. CLASS and Custom Features. Where generally available in Sprint's serving area, TWTC, at the tariff rate, may order the entire set of CLASS, CENTREX and Custom features and functions, or a subset of any one of such features.
- 79.5. Number Administration/Number Reservation
  - 79.5.1. Sprint shall provide testing and loading of TWTC's NXX on the same basis as Sprint provides itself or its affiliates. Further, Sprint shall provide TWTC with access to abbreviated dialing codes, and the ability to obtain telephone numbers, including vanity numbers, while a subscriber is on the phone with TWTC. When TWTC uses numbers from a Sprint NXX, Sprint shall provide the same range of number choices to TWTC, including choice of exchange number, as Sprint provides its own subscribers. Reservation and aging of Sprint NXX's shall remain Sprint's responsibility.
  - 79.5.2. In conjunction with an order for service, Sprint shall accept TWTC orders for vanity numbers and blocks of numbers for use with complex services including, but not limited to, DID, CENTREX, and Hunting arrangements, as requested by TWTC.
  - 79.5.3. For simple services number reservations and aging of Sprint's numbers, Sprint shall provide real-time confirmation of the number reservation when the Electronic Interface has been implemented. For number reservations associated with complex services, Sprint shall provide confirmation of the number reservation within twenty-four (24) hours of TWTC's request. Consistent with the manner in which Sprint provides numbers to its own subscribers, no telephone number assignment is guaranteed until service has been installed.

## 79.6. Service Order Process Requirements

### 79.6.1. Service Migrations and New Subscriber Additions

- 79.6.1.1. For resale services, other than for a TWTC order to convert “as is” a TWTC subscriber, Sprint shall not disconnect any subscriber service or existing features at any time during the migration of that subscriber to TWTC service without prior TWTC agreement.
- 79.6.1.2. For services provided through UNEs, Sprint shall recognize TWTC as an agent, in accordance with OBF developed processes, for the subscriber in coordinating the disconnection of services provided by another CLEC or Sprint. In addition, Sprint and TWTC will work cooperatively to minimize service interruptions during the conversion.
- 79.6.1.3. Unless otherwise directed by TWTC and when technically capable, when TWTC orders resale Telecommunications Services or UNEs all trunk or telephone numbers currently associated with existing services shall be retained without loss of feature capability and without loss of associated ancillary services including, but not limited to, Directory Assistance and 911/E911 capability.
- 79.6.1.4. For subscriber conversions requiring coordinated cut-over activities, on a per order basis, Sprint, to the extent resources are readily available, and TWTC will agree on a scheduled conversion time, which will be a designated time period within a designated date.
  - 79.6.1.4.1. Any request made by TWTC to coordinate conversions after normal working hours, or on Saturday’s or Sunday’s or Sprint holidays shall be performed at TWTC’s expense.
- 79.6.1.5. A general Letter of Agency (LOA) initiated by TWTC or Sprint will be required to process a PLC or PIC change order. Providing the LOA, or a copy of the LOA, signed by the end user will not be required to process a PLC or PIC change ordered by TWTC or Sprint. TWTC and Sprint agree that PLC and PIC change orders will be supported with appropriate documentation and verification as required by FCC and Commission rules. In the event of a subscriber complaint of an unauthorized PLC record change where the Party that ordered such change is unable to produce appropriate documentation and verification as required by

FCC and Commission rules (or, if there are no rules applicable to PLC record changes, then such rules as are applicable to changes in long distance carriers of record), such Party shall be liable to pay and shall pay all nonrecurring and/or other charges associated with reestablishing the subscriber's local service with the original local carrier.

79.6.2. Intercept Treatment and Transfer Service Announcements. Sprint shall provide unbranded intercept treatment and transfer of service announcements to TWTC's subscribers. Sprint shall provide such treatment and transfer of service announcement in accordance with local tariffs and as provided to similarly situated Sprint subscribers for all service disconnects, suspensions, or transfers.

79.6.3. Due Date

79.6.3.1. Sprint shall supply TWTC with due date intervals to be used by TWTC personnel to determine service installation dates. These due date intervals can be found in the Operations Plan as published on Sprint's CLEC Wholesale Website at:

[http://www.sprintbiz.com/bizpark/localwholesale/market\\_clec\\_lw.html?m=clec](http://www.sprintbiz.com/bizpark/localwholesale/market_clec_lw.html?m=clec)

79.6.3.2. Sprint shall use best efforts to complete orders by TWTC requested DDD within agreed upon intervals.

79.6.4. Subscriber Premises Inspections and Installations

79.6.4.1. TWTC shall perform or contract for all TWTC's needs assessments, including equipment and installation requirements required beyond the Demarcation/NID, located at the subscriber premises.

79.6.4.2. Sprint shall provide TWTC with the ability to schedule subscriber premises installations at the same morning and evening commitment level of service offered Sprint's own customers. The Parties shall mutually agree on an interim process to provide this functionality during the implementation planning process.

79.6.5. Firm Order Confirmation (FOC)

79.6.5.1. Sprint shall provide to TWTC, a Firm Order Confirmation (FOC) for each TWTC order. The FOC shall contain the appropriate data elements as defined by the OBF standards.

79.6.5.2. For a revised FOC, Sprint shall provide standard detail as defined by the OBF standards.

79.6.5.3. Sprint shall provide to TWTC the date that service is scheduled to be installed.

79.6.5.4. Due date intervals can be found in the Operations Plan as published on Sprint's CLEC Wholesale Website at:

[http://www.sprintbiz.com/bizpark/localwholesale/market\\_clec\\_lw.html?m=clec](http://www.sprintbiz.com/bizpark/localwholesale/market_clec_lw.html?m=clec)

#### 79.6.6. Order Rejections

79.6.6.1. Sprint shall reject and return to TWTC any order that Sprint cannot provision, due to technical reasons, missing information, or jeopardy conditions resulting from TWTC ordering service at less than the standard order interval. When an order is rejected, Sprint shall, in its reject notification, specifically describe all of the reasons for which the order was rejected. Sprint shall reject any orders on account of the customer Desired Due Date conflicts with published Sprint order provisioning interval requirements. Provided, however, expedited orders will be processed in accordance with Sprint's Operations Plan as published on Sprint's CLEC Wholesale Website

#### 79.6.7. Service Order Changes

79.6.7.1. In no event will Sprint change a TWTC initiated service order without a new service order directing said change. If an installation or other TWTC ordered work requires a change from the original TWTC service order in any manner, TWTC shall initiate a revised service order. If requested by TWTC, Sprint shall then provide TWTC an estimate of additional labor hours and/or materials.

79.6.7.1.1. When a service order is completed, the cost of the work performed will be reported promptly to TWTC.

79.6.7.2. If a TWTC subscriber requests a service change at the time of installation or other work being performed by Sprint on behalf of TWTC, Sprint, while at the subscriber premises, shall direct TWTC subscriber to contact TWTC, and TWTC will initiate a new service order.

79.7. Network Testing. Sprint shall perform all its standard pre-service testing prior to the completion of the service order.

79.8. Service Suspensions/Restorations. Upon TWTC's request through an Industry Standard, OBF, Suspend/Restore Order, or mutually agreed upon interim procedure, Sprint shall suspend or restore the functionality of any Network

Element, feature, function, or resale service to which suspend/restore is applicable. Sprint shall provide restoration priority on a per network element basis in a manner that conforms with any applicable regulatory Rules and Regulations or government requirements.

- 79.9. Order Completion Notification. Upon completion of the requests submitted by TWTC, Sprint shall provide to TWTC a completion notification in an industry standard, OBF, or in a mutually agreed format. The completion notification shall include detail of the work performed, to the extent this is defined within OBF guidelines, and in an interim method until such standards are defined.
- 79.10. Specific Unbundling Requirements. TWTC may order and Sprint shall provision unbundled Network Elements. However, it is TWTC's responsibility to combine the individual network elements should it desire to do so.
- 79.11. Systems Interfaces and Information Exchanges

- 79.11.1. General Requirements

- 79.11.1.1. Sprint shall provide to TWTC Electronic Interface(s) for transferring and receiving information and executing transactions for all business functions directly or indirectly related to Service Ordering and Provisioning of Network Elements, features, functions and Telecommunications Services, to the extent available.

- 79.11.1.2. Until the Electronic Interface is available, Sprint agrees that the NEAC or similar function will accept TWTC orders. Orders will be transmitted to the NEAC via an interface or method agreed upon by TWTC and Sprint.

- 79.11.2. For any TWTC subscriber Sprint shall provide, subject to applicable rules, orders, and decisions, TWTC with access CPNI without requiring TWTC to produce a signed LOA, based on TWTC's blanket representation that subscriber has authorized TWTC to obtain such CPNI.

- 79.11.2.1. The preordering Electronic Interface includes the provisioning of CPNI from Sprint to TWTC. The Parties agree to execute a LOA agreement with the Sprint end user prior to requesting CPNI for that Sprint end user, and to request end user CPNI only when the end user has specifically given permission to receive CPNI. The Parties agree that they will conform to FCC and/or state regulations regarding the provisioning of CPNI between the Parties, and regarding the use of that information by the requesting Party.

- 79.11.2.2. The requesting Party will document end user permission obtained to receive CPNI, whether or not the end user has

agreed to change local service providers. For end users changing service from one Party to the other, specific end user LOAs may be requested by the Party receiving CPNI requests to investigate possible slamming incidents, and for other reasons agreed to by the Parties.

- 79.11.2.3. The receiving Party may also request documentation of an LOA if CPNI is requested and a subsequent service order for the change of local service is not received. On a schedule to be determined by Sprint, Sprint will perform a comparison of requests for CPNI to service orders received for the change of Local Service to TWTC. Sprint will produce a report of unmatched requests for CPNI, and may require an LOA from TWTC for each unmatched request. TWTC agrees to provide evidence of end user permission for receipt of CPNI for all end users in the request by Sprint within three (3) Business Days of receipt of a request from Sprint. Should Sprint determine that there has been a substantial percentage of unmatched LOA requests, Sprint reserves the right to immediately disconnect the preordering Electronic Interface.
- 79.11.2.4. If TWTC is not able to provide the LOA for ninety-five percent (95%) of the end users requested by Sprint, or if Sprint determines that an LOA is inadequate, TWTC will be considered in breach of the agreement. TWTC can cure the breach by submitting to Sprint evidence of an LOA for each inadequate or omitted LOA within three (3) Business Days of notification of the breach.
- 79.11.2.5. Should TWTC not be able to cure the breach in the timeframe noted above, Sprint will discontinue processing new service orders until, in Sprint's determination, TWTC has corrected the problem that caused the breach.
- 79.11.2.6. Sprint will resume processing new service orders upon Sprint's timely review and acceptance of evidence provided by TWTC to correct the problem that caused the breach.
- 79.11.2.7. If TWTC and Sprint do not agree that TWTC requested CPNI for a specific end user, or that Sprint has erred in not accepting proof of an LOA, the Parties may immediately request dispute resolution in accordance with Part B. Sprint will not disconnect the preordering Electronic Interface during the Alternate Dispute Resolution process.
- 79.11.2.8. When available per Electronic Interface Implementation Plan, Sprint shall provide to TWTC Electronic Interface to Sprint information systems to allow TWTC to assign

telephone number(s) (if the subscriber does not already have a telephone number or requests a change of telephone number) at Parity.

- 79.11.2.9. When available per Electronic Interface Implementation Plan, Sprint shall provide to TWTC an Electronic Interface to schedule dispatch and installation appointments at Parity.
- 79.11.2.10. When available per Electronic Interface Implementation Plan, Sprint shall provide to TWTC an Electronic Interface to Sprint subscriber information systems which will allow TWTC to determine if a service call is needed to install the line or service at Parity.
- 79.11.2.11. When available per Electronic Interface Implementation Plan, Sprint shall provide to TWTC an Electronic Interface to Sprint information systems which will allow TWTC to provide service availability dates at Parity.
- 79.11.2.12. When available per Electronic Interface Implementation Plan, Sprint shall provide to TWTC an Electronic Interface which transmits status information on service orders at Parity. Until an Electronic Interface is available, Sprint agrees that Sprint will provide proactive status on service orders at the following critical intervals: acknowledgment, firm order confirmation, and completion according to interim procedures to be mutually developed.

#### 79.12. Standards

- 79.12.1. General Requirements. TWTC and Sprint shall agree upon the appropriate ordering and provisioning codes to be used for UNEs. These codes shall apply to all aspects of the unbundling of that element and shall be known as data elements as defined by the Telecommunications Industry Forum Electronic Data Interchange Service Order Subcommittee (TCIF-EDI-SOSC).

### **80. BILLING**

- 80.1. The Parties shall comply with various industry, OBF, and other standards referred to throughout this Agreement. Sprint will review any changes to industry standards, and implement the changes within the industry-defined window. Sprint will notify TWTC of any deviations to the standards.
- 80.2. The Parties shall bill the other Party for each service supplied pursuant to this Agreement at the rates set forth in this Agreement.
- 80.3. Sprint shall provide to TWTC a single point of contact for interconnection at the National Access Service Center (NASC), and Network Elements and resale at Sprint's NEAC, to handle any Connectivity Billing questions or problems that



may arise during the implementation and performance of the terms and conditions of this Agreement.

- 80.4. The Parties shall provide a single point of contact for handling of any data exchange questions or problems that may arise during the implementation and performance of the terms and conditions of this Agreement.
- 80.5. Subject to the terms of this Agreement, a Party shall pay the other Party within thirty (30) Days from the Bill Date. If the payment due date is a Saturday, Sunday or has been designated a bank holiday payment shall be made the next Business Day.
- 80.6. Billed amounts for which written, itemized disputes or claims have been filed shall be handled in accordance with the procedures set forth in Part B, Section 24 of this Agreement.
- 80.7. The Parties will assess late payment charges to the other Party in accordance with Part B, Section 7.4 of this Agreement.
- 80.8. Sprint shall credit TWTC for incorrect Connectivity Billing charges including without limitation: overcharges, services ordered or requested but not delivered, interrupted services, services of poor quality and installation problems if caused by Sprint per applicable tariff. Such reimbursements shall be set forth in the appropriate section of the Connectivity Bill pursuant to CABS, or SECAB standards.
- 80.9. Where Parties have established interconnection, Sprint and TWTC agree to conform to MECAB and MECOD guidelines. Sprint and TWTC will exchange the appropriate records to bill exchange access charges to the IXC. Sprint and TWTC agree to capture EMI records for inward terminating and outward originating calls and send them to the other, as appropriate, in daily or other agreed upon interval, via and agreed upon media (e.g.: Connect Direct or cartridge).
- 80.10. Revenue Protection. Sprint shall make available to TWTC, at Parity with what Sprint provides to itself, its Affiliates and other local telecommunications TWTCs, all present and future fraud prevention or revenue protection features, including prevention, detection, or control functionality embedded within any of the Network Elements. These features include, but are not limited to screening codes, information digits assigned such as information digits '29' and '70' which indicate prison and COCOT pay phone originating line types respectively, call blocking of domestic, international, 800, 888, 900, NPA-976, 700, 500 and specific line numbers, and the capability to require end-user entry of an authorization code for dial tone. Sprint shall, when technically capable and consistent with the implementation schedule for Operations Support Systems (OSS), additionally provide partitioned access to fraud prevention, detection and control functionality within pertinent OSS.

## **81. RECORDED USAGE DATA**

81.1. Section 81 sets forth the terms and conditions for Sprint's provision of Recorded Usage Data (as defined in this Part) to TWTC and for information exchange regarding long distance billing. The Parties agree to record call information for interconnection in accordance with Section 81. To the extent technically feasible, each Party shall record all call detail information associated with completed calls originated by or terminated to the other Party's local exchange subscriber. Sprint shall record for TWTC the messages that Sprint records for and bills to its end users. These records shall be provided at a Party's request and shall be formatted pursuant to Telcordia's EMI standards and the terms and conditions of this Agreement. These records shall be transmitted to the other Party on non-holiday Business Days in EMI format via CDN, or provided on a cartridge. Sprint and TWTC agree that they shall retain, at each Party's sole expense, copies of all EMI records transmitted to the other Party for at least forty-five (45) Days after transmission to the other Party.

### **81.2. General Procedures**

81.2.1. Sprint shall comply with various industry and OBF guidelines referred to throughout this Agreement.

81.2.2. Sprint shall comply with OBF standards when recording and transmitting Usage Data.

81.2.3. Sprint shall record all usage originating from TWTC subscribers using resold services ordered by TWTC, where Sprint records those same services for Sprint subscribers. Recorded Usage Data includes, but is not limited to, the following categories of information:

81.2.3.1. Use of CLASS/LASS/Custom Features that Sprint records and bills for its subscribers on a per usage basis.

81.2.3.2. Calls to Information Providers (IP) reached via Sprint facilities will be provided in accordance with Section 81.2.7.

81.2.3.3. Calls to Directory Assistance where Sprint provides such service to a TWTC subscriber.

81.2.3.4. Calls completed via Sprint-provided Operator Services where Sprint provides such service to TWTC's local service subscriber and where Sprint records such usage for its subscribers using Industry Standard Telcordia EMI billing records.

81.2.3.5. For Sprint-provided Centrex Service, station level detail.

81.2.4. Retention of Records. Sprint shall maintain a machine readable back-up copy of the message detail provided to TWTC for a minimum of forty-five (45) Days. During the forty-five (45) Day period, Sprint shall

provide any data back-up to TWTC upon the request of TWTC. If the forty-five (45) Days have expired, Sprint may provide the data back-up at TWTC's expense.

- 81.2.5. Sprint shall provide to TWTC Recorded Usage Data for TWTC subscribers. Sprint shall not submit other TWTC local usage data as part of TWTC Recorded Usage Data.
- 81.2.6. Sprint shall not bill directly to TWTC subscribers any recurring or non-recurring charges for TWTC's services to the subscriber except where explicitly permitted to do so within a written agreement between Sprint and TWTC.
- 81.2.7. Sprint will record 976/N11 calls and transmit them to the IP for billing. Sprint will not bill these calls to either TWTC or TWTC's end user.
- 81.2.8. Sprint shall provide Recorded Usage Data to TWTC billing locations as agreed to by the Parties.
- 81.2.9. Sprint shall provide a single point of contact to respond to TWTC call usage, data error, and record transmission inquiries.
- 81.2.10. Sprint shall provide TWTC with a single point of contact and remote identifiers (IDs) for each sending location.
- 81.2.11. TWTC shall provide a single point of contact responsible for receiving usage transmitted by Sprint and receiving usage tapes from a courier service in the event of a facility outage.
- 81.2.12. Sprint shall bill and TWTC shall pay the charges for Recorded Usage Data. Billing and payment shall be in accordance with the applicable terms and conditions set forth herein.

### 81.3. Charges

- 81.3.1. Access services, including revenues associated therewith, provided in connection with the resale of services hereunder shall be the responsibility of Sprint and Sprint shall directly bill and receive payment on its own behalf from an IXC for access related to interexchange calls generated by resold or rebranded customers.
- 81.3.2. Sprint will be responsible for returning EMI records to IXCs with the proper EMI Return Code along with the Operating Company Number (OCN) of the associated ANI, (i.e., Billing Number).
- 81.3.3. Sprint will deliver a monthly statement for wholesale services in the medium (e.g.: NDM, paper, cartridge or CD-ROM) requested by TWTC as follows:
  - 81.3.3.1. Invoices will be provided in a standard Carrier Access Billing format or other such format as Sprint may determine;

- 81.3.3.2. Where local usage charges apply and message detail is created to support available services, the originating local usage at the call detail level in standard EMI industry format will be exchanged daily or at other mutually agreed upon intervals, and TWTC will pay Sprint for providing such call detail;
  - 81.3.3.3. The Parties will work cooperatively to exchange information to facilitate the billing of in and out collect and inter/intra-region alternately billed messages;
  - 81.3.3.4. Sprint agrees to provide information on the end-user's selection of special features where Sprint maintains such information (e.g.: billing method, special language) when TWTC places the order for service;
  - 81.3.3.5. Monthly recurring charges for Telecommunications Services sold pursuant to this Agreement shall be billed monthly in advance.
  - 81.3.3.6. Sprint shall bill for message provisioning and, if applicable data tape charges, related to the provision of usage records. Sprint shall also bill TWTC for additional copies of the monthly invoice.
- 81.3.4. For billing purposes, and except as otherwise specifically agreed to in writing, the Telecommunications Services provided hereunder are furnished for a minimum term of one month. Each month is presumed to have thirty (30) Days.
- 81.4. Central Clearinghouse & Settlement
- 81.4.1. Sprint and TWTC shall agree upon Clearinghouse and Incollect/Outcollect procedures. Each Party may process through its own Centralized Message Distribution System (CMDS) and or as otherwise mutually agree upon.
  - 81.4.2. Sprint shall settle with TWTC for both intra-region and inter-region billing exchanges of calling card, bill-to-third party, and collect calls under separately negotiated settlement arrangements.
- 81.5. Lost Data
- 81.5.1. Loss of Recorded Usage Data. TWTC Recorded Usage Data determined to have been lost, damaged or destroyed as a result of an error or omission by Sprint in its performance of the recording function shall be recovered by Sprint at no charge to TWTC. In the event the data cannot be recovered by Sprint, Sprint shall estimate the messages and associated revenue, with assistance from TWTC, based upon the method described below. This method shall be applied on a consistent basis,

subject to modifications agreed to by Sprint and TWTC. This estimate shall be used to adjust amounts TWTC owes Sprint for services Sprint provides in conjunction with the provision of Recorded Usage Data.

- 81.5.2. Partial Loss. Sprint shall review its daily controls to determine if data has been lost. When there has been a partial loss, actual message and minute volumes shall be reported, if possible through recovery as discussed in Section 81.5.1 above. Where actual data are not available, a full day shall be estimated for the recording entity, as outlined in the following paragraphs. The amount of the partial loss is then determined by subtracting the data actually recorded for such day from the estimated total for such day.
- 81.5.3. Complete Loss. When Sprint is unable to recover data as discussed in Section 81.5.1 above estimated message and minute volumes for each loss consisting of an entire AMA tape or entire data volume due to its loss prior to or during processing, lost after receipt, degaussed before processing, receipt of a blank or unreadable tape, or lost for other causes, shall be reported.
- 81.5.4. Estimated Volumes. From message and minute volume reports for the entity experiencing the loss, Sprint shall secure message/minute counts for the four (4) corresponding days of the weeks preceding that in which the loss occurred and compute an average of these volumes. Sprint shall apply the appropriate average revenue per message (“arpm”) agreed to by TWTC and Sprint to the estimated message volume for messages for which usage charges apply to the subscriber to arrive at the estimated lost revenue.
- 81.5.5. If the day of loss is not a holiday but one (1) (or more) of the preceding corresponding days is a holiday, use additional preceding weeks in order to procure volumes for two (2) non-holidays in the previous two (2) weeks that correspond to the day of the week that is the day of the loss.
- 81.5.6. If the loss occurs on a weekday that is a holiday (except Christmas and Mother’s day), Sprint shall use volumes from the two (2) preceding Sundays.
- 81.5.7. If the loss occurs on Mother’s day or Christmas day, Sprint shall use volumes from that day in the preceding year multiplied by a growth factor derived from an average of TWTC’s most recent three (3) month message volume growth. If a previous year’s message volumes are not available, a settlement shall be negotiated.

#### 81.6. Testing, Changes and Controls

- 81.6.1. The Recorded Usage Data, EMI format, content, and transmission process shall be tested as agreed upon by TWTC and Sprint.
- 81.6.2. Control procedures for all usage transferred between Sprint and TWTC

shall be available for periodic review. This review may be included as part of an Audit of Sprint by TWTC or as part of the normal production interface management function. Breakdowns which impact the flow of usage between Sprint and TWTC must be identified and jointly resolved as they occur. The resolution may include changes to control procedures, so similar problems would be avoided in the future. Any changes to control procedures would need to be mutually agreed upon by TWTC and Sprint.

#### 81.6.3. Sprint Software Changes

81.6.3.1. When Sprint plans to introduce any software changes which impact the format or content structure of the usage data feed to TWTC, designated Sprint personnel shall notify TWTC no less than ninety (90) Days before such changes are implemented.

81.6.3.2. Sprint shall communicate the projected changes to TWTC's single point of contact so that potential impacts on TWTC processing can be determined.

81.6.3.3. TWTC personnel shall review the impact of the change on the entire control structure. TWTC shall negotiate any perceived problems with Sprint and shall arrange to have the data tested utilizing the modified software if required.

81.6.3.4. If it is necessary for Sprint to request changes in the schedule, content or format of usage data transmitted to TWTC, Sprint shall notify TWTC.

#### 81.6.4. TWTC Requested Changes:

81.6.4.1. TWTC may submit a purchase order to negotiate and pay for changes in the content and format of the usage data transmitted by Sprint.

81.6.4.2. When the negotiated changes are to be implemented, TWTC and/or Sprint shall arrange for testing of the modified data.

#### 81.7. Information Exchange and Interfaces

81.7.1. Product/Service Specific. Sprint shall provide a Telcordia standard 42-50-01 miscellaneous charge record to support the Special Features Star Services if these features are part of Sprint's offering and are provided for Sprint's subscribers on a per usage basis.

#### 81.7.2. Rejected Recorded Usage Data

81.7.2.1. Upon agreement between TWTC and Sprint, messages that cannot be rated and/or billed by TWTC may be returned to Sprint via CDN or other medium as agreed by the Parties.

Returned messages shall be sent directly to Sprint in their original EMI format utilizing standard EMI return codes.

- 81.7.2.2. Sprint may correct and resubmit to TWTC any messages returned to Sprint. Sprint will not be liable for any records determined by Sprint to be billable to a TWTC end user. TWTC will not return a message that has been corrected and resubmitted by Sprint. Sprint will only assume liability for errors and unguideables caused by Sprint.

## **82. GENERAL NETWORK REQUIREMENTS**

- 82.1. Sprint shall provide repair, maintenance and testing for all resold Telecommunications Services and such UNEs that Sprint is able to test, in accordance with the terms and conditions of this Agreement.
- 82.2. During the term of this Agreement, Sprint shall provide necessary maintenance business process support as well as those technical and systems interfaces at Parity. Sprint shall provide TWTC with maintenance support at Parity.
- 82.3. Sprint shall provide on a regional basis, a point of contact for TWTC to report vital telephone maintenance issues and trouble reports twenty four (24) hours and seven (7) Days a week.
- 82.4. Sprint shall provide TWTC maintenance dispatch personnel on the same schedule that it provides its own subscribers.
- 82.5. Sprint shall cooperate with TWTC to meet maintenance standards for all Telecommunications Services and unbundled network elements ordered under this Agreement. Such maintenance standards shall include, without limitation, standards for testing, network management, call gapping, and notification of upgrades as they become available.
- 82.6. All Sprint employees or contractors who perform repair service for TWTC subscribers shall follow Sprint standard procedures in all their communications with TWTC subscribers. These procedures and protocols shall ensure that:
  - 82.6.1. Sprint employees or contractors shall perform repair service that is equal in quality to that provided to Sprint subscribers; and
  - 82.6.2. Trouble calls from TWTC shall receive response time priority that is equal to that of Sprint subscribers and shall be handled on a “first come first served” basis regardless of whether the subscriber is a TWTC subscriber or a Sprint subscriber.
- 82.7. Sprint shall provide TWTC with scheduled maintenance for resold lines, including, without limitation, required and recommended maintenance intervals and procedures, for all Telecommunications Services and network elements provided to TWTC under this Agreement equal in quality to that currently provided by Sprint in the maintenance of its own network. TWTC shall perform

its own testing for UNEs.

- 82.8. Sprint shall give maximum advanced notice to TWTC of all non-scheduled maintenance or other planned network activities to be performed by Sprint on any network element, including any hardware, equipment, software, or system, providing service functionality of which TWTC has advised Sprint may potentially impact TWTC subscribers.
- 82.9. Notice of Network Event. Each party has the duty to alert the other of any network events that can result or have resulted in service interruption, blocked calls, or negative changes in network performance.
- 82.10. On all misdirected calls from TWTC subscribers requesting repair, Sprint shall provide such TWTC subscriber with the correct TWTC repair telephone number as such number is provided to Sprint by TWTC. Once the Electronic Interface is established between Sprint and TWTC, Sprint agrees that TWTC may report troubles directly to a single Sprint repair/maintenance center for both residential and small business subscribers, unless otherwise agreed to by TWTC.
- 82.11. Upon establishment of an Electronic Interface, Sprint shall notify TWTC via such electronic interface upon completion of trouble report. The report shall not be considered closed until such notification is made. TWTC will contact its subscriber to determine if repairs were completed and confirm the trouble no longer exists.
- 82.12. Sprint shall perform all testing for resold Telecommunications Services.
- 82.13. Sprint shall provide test results to TWTC, if appropriate, for trouble clearance. In all instances, Sprint shall provide TWTC with the disposition of the trouble.
- 82.14. If Sprint initiates trouble handling procedures, it will bear all costs associated with that activity. If TWTC requests the trouble dispatch, and either there is no trouble found, or the trouble is determined to be beyond the end user demarcation point, then TWTC will bear the cost.

### **83. MISCELLANEOUS SERVICES AND FUNCTIONS**

#### **83.1. General**

83.1.1. To the extent that Sprint does not provide the services described in this Section 83 to itself, Sprint will use reasonable efforts to facilitate the acquisition of such services for or by TWTC through the existing service provider. TWTC must contract directly with the service provider for such services.

#### **83.1.2. Basic 911 and E911 General Requirements**

83.1.2.1. Basic 911 and E911 provides a caller access to the appropriate emergency service bureau by dialing a 3-digit universal telephone number (911). Basic 911 and E911



access from Local Switching shall be provided to TWTC in accordance with the following:

- 83.1.2.2. E911 shall provide additional routing flexibility for 911 calls. E911 shall use subscriber data, contained in the ALI/DMS, to determine to which PSAP to route the call.
- 83.1.2.3. Basic 911 and E911 functions provided to TWTC shall be at Parity with the support and services that Sprint provides to its subscribers for such similar functionality.
- 83.1.2.4. Basic 911 and E911 access when TWTC purchases Local Switching shall be provided to TWTC in accordance with the following:
  - 83.1.2.4.1. Sprint shall conform to all state regulations concerning emergency services.
  - 83.1.2.4.2. For E911, Sprint shall use its service order process to update and maintain subscriber information in the ALI/DMS. Through this process, Sprint shall provide and validate TWTC subscriber information resident or entered into the ALI/DMS.
  - 83.1.2.4.3. Sprint shall provide for overflow 911 traffic to be routed to Sprint Operator Services or, at TWTC's discretion, directly to TWTC operator services.
- 83.1.3. Basic 911 and E911 access from TWTC local switch shall be provided to TWTC in accordance with the following:
  - 83.1.3.1. If required by TWTC, Sprint, at TWTC's sole expense, shall interconnect direct trunks from TWTC network to the E911 PSAP, or the E911 Tandems as designated by TWTC. Such trunks may alternatively be provided by TWTC.
  - 83.1.3.2. In government jurisdictions where Sprint has obligations under existing agreements as the primary provider of the 911 System to the county (Host SPRINT), TWTC shall participate in the provision of the 911 System as follows:
    - 83.1.3.2.1. Each party shall be responsible for those portions of the 911 System for which it has control, including any necessary maintenance to each party's portion of the 911 System.

- 83.1.3.2.2. Host Sprint shall be responsible for maintaining the E-911 database. Sprint shall be responsible for maintaining the E-911 routing database.
- 83.1.4. If a third party is the primary service provider to a government agency, TWTC shall negotiate separately with such third party with regard to the provision of 911 service to the agency. All relations between such third party and TWTC are totally separate from this Agreement and Sprint makes no representations on behalf of the third party.
- 83.1.5. If TWTC or its Affiliate is the primary service provider to a government agency, TWTC and Sprint shall negotiate the specific provisions necessary for providing 911 service to the agency and shall include such provisions in an amendment to this Agreement.
- 83.1.6. Interconnection and database access shall be priced as specified in Part C.
- 83.1.7. Sprint shall comply with established, competitively neutral intervals for installation of facilities, including any collocation facilities, diversity requirements, etc.
- 83.1.8. In a resale situation, where it may be appropriate for Sprint to update the ALI database, Sprint shall update such database with TWTC data in an interval at Parity with that experienced by Sprint subscribers.
- 83.1.9. Sprint shall transmit to TWTC daily all changes, alterations, modifications, and updates to the emergency public agency telephone numbers linked to all NPA NXXs. This transmission shall be electronic and be a separate feed from the subscriber listing feed.
- 83.1.10. Sprint shall provide to TWTC the necessary UNEs for TWTC to provide E911/911 services to government agencies. If such elements are not available from Sprint, Sprint shall offer E911/911 service for resale by TWTC to government agencies.
- 83.1.11. The following are Basic 911 and E911 Database Requirements
  - 83.1.11.1. The ALI database shall be managed by Sprint, but is the property of Sprint and TWTC for those records provided by TWTC.
  - 83.1.11.2. To the extent allowed by the governmental agency, and where available, copies of the SIG shall be provided within three (3) Business Days from the time requested and provided on diskette, or in a format suitable for use with desktop computers.
  - 83.1.11.3. TWTC shall be solely responsible for providing TWTC database records to Sprint for inclusion in Sprint's ALI

database on a timely basis.

- 83.1.11.4. Sprint and TWTC shall arrange for the automated input and periodic updating of the E911 database information related to TWTC end users. Sprint shall work cooperatively with TWTC to ensure the accuracy of the data transfer by verifying it against the SIG. Sprint shall accept electronically transmitted files that conform to NENA Version #2 format.
- 83.1.11.5. TWTC shall assign an E911 database coordinator charged with the responsibility of forwarding TWTC end user ALI record information to Sprint or via a third-party entity, charged with the responsibility of ALI record transfer. TWTC assumes all responsibility for the accuracy of the data that TWTC provides to Sprint.
- 83.1.11.6. TWTC shall provide information on new subscribers to Sprint within one (1) Business Day of the order completion. Sprint shall update the database within two (2) Business Days of receiving the data from TWTC. If Sprint detects an error in TWTC provided data, the data shall be returned to TWTC within two (2) Business Days from when it was provided to Sprint. TWTC shall respond to requests from Sprint to make corrections to database record errors by uploading corrected records within two (2) Business Days. Manual entry shall be allowed only in the event that the system is not functioning properly.
- 83.1.11.7. Sprint agrees to treat all data on TWTC subscribers provided under this Agreement as confidential and to use data on TWTC subscribers only for the purpose of providing E911 services.
- 83.1.11.8. Sprint shall adopt use of a TWTC Code (NENA standard five-character field) on all ALI records received from TWTC. TWTC Code will be used to identify TWTC of record in LNP/INP configurations.
- 83.1.11.9. Sprint shall identify which ALI databases cover which states, counties or parts thereof, and identify and communicate a Point of Contact for each.
- 83.1.12. The following are basic 911 and E911 Network Requirements
  - 83.1.12.1. Sprint, at TWTC's option, shall provide a minimum of two (2) E911 trunks per 911 switching entity, or that quantity which will maintain P.01 transmission grade of service, whichever is the higher grade of service. Where applicable these trunks will be dedicated to routing 911 calls from

TWTC's switch to a Sprint selective router.

- 83.1.12.2. Sprint shall provide the selective routing of E911 calls received from TWTC's switching office. This includes the ability to receive the ANI of TWTC's subscriber, selectively route the call to the appropriate PSAP, and forward the subscriber's ANI to the PSAP. Sprint shall provide TWTC with the appropriate CLLI codes and specifications regarding the Tandem serving area associated addresses and meet-points in the network.
- 83.1.12.3. TWTC shall ensure that its switch provides an eight-digit ANI consisting of an information digit and the seven-digit exchange code. TWTC shall also ensure that its switch provides the line number of the calling station. Where applicable, TWTC shall send a ten-digit ANI to Sprint when there is an ANI failure TWTC shall send the Central Office Trunk Group number in the Emergency Service Central Office (ESCO) format.
- 83.1.12.4. Each ALI discrepancy report shall be jointly researched by Sprint and TWTC. Corrective action shall be taken immediately by the responsible party.
- 83.1.12.5. Where Sprint controls the 911 network, Sprint should provide TWTC with a detailed written description of, but not limited to, the following information:
  - 83.1.12.5.1. Geographic boundaries of the government entities, PSAPs, and exchanges as necessary.
  - 83.1.12.5.2. LECs rate centers/exchanges, where "Rate Center" is defined as a geographically specified area used for determining mileage dependent rates in the Public Switched Telephone Network.
  - 83.1.12.5.3. Technical specifications for network interface, Technical specifications for database loading and maintenance.
  - 83.1.12.5.4. Sprint shall identify special routing arrangements to complete overflow.
  - 83.1.12.5.5. Sprint shall begin restoration of E911 and/or E911 trunking facilities immediately upon notification of failure or outage. Sprint must

provide priority restoration of trunks or networks outages on the same terms/conditions it provides itself and without the imposition of Telecommunications Service Priority (TSP).

83.1.12.5.6. Repair service shall begin immediately upon receipt of a report of a malfunction. Repair service includes testing and diagnostic service from a remote location, dispatch of or in-person visit(s) of personnel. Technicians will be dispatched without delay.

83.1.12.6. Sprint shall identify any special operator-assisted calling requirements to support 911.

83.1.12.7. Trunking shall be arranged to minimize the likelihood of central office isolation due to cable cuts or other equipment failures. There will be an alternate means of transmitting a 911 call to a PSAP in the event of failures.

83.1.12.8. Circuits shall have interoffice, loop and TWTC system diversity when such diversity can be achieved using existing facilities. Circuits will be divided as equally as possible across available TWTC systems. Diversity will be maintained or upgraded to utilize the highest level of diversity available in the network.

83.1.12.9. All 911 trunks must be capable of transmitting and receiving Baudot code or ASII necessary to support the use of Telecommunications Devices for the Deaf (TTY/TDDs).

#### 83.1.13. Basic 911 and E911 Additional Requirements

83.1.13.1. All TWTC lines that have been ported via INP shall reach the correct PSAP when 911 is dialed. Sprint shall send both the ported number and TWTC number (if both are received from TWTC). The PSAP attendant shall see both numbers where the PSAP is using a standard ALI display screen and the PSAP extracts both numbers from the data that is sent.

83.1.13.2. Sprint shall work with the appropriate government agency to provide TWTC the ten-digit POTS number of each PSAP which sub-tends each Sprint selective router/911 Tandem to which TWTC is interconnected.

83.1.13.3. Sprint shall notify TWTC 48 hours in advance of any scheduled testing or maintenance affecting TWTC 911 service, and provide notification as soon as possible of any unscheduled outage affecting TWTC 911 service.

- 83.1.13.4. TWTC shall be responsible for reporting all errors, defects and malfunctions to Sprint. Sprint shall provide TWTC with the point of contact for reporting errors, defects, and malfunctions in the service and shall also provide escalation contacts.
- 83.1.13.5. TWTC may enter into subcontracts with third parties, including TWTC Affiliates, for the performance of any of TWTC's duties and obligations stated herein.
- 83.1.13.6. Sprint shall provide sufficient planning information regarding anticipated moves to SS7 signaling, for 911 services, for the next twelve (12) months.
- 83.1.13.7. Sprint shall provide notification of any impacts to the 911 services provided by Sprint to TWTC resulting from of any pending Tandem moves, NPA splits, or scheduled maintenance outages, with enough time to react.
- 83.1.13.8. Sprint shall identify process for handling of "reverse ALI" inquiries by public safety entities.
- 83.1.13.9. Sprint shall establish a process for the management of NPA splits by populating the ALI database with the appropriate new NPA codes.

## 83.2. Directory Listings Service Requests

- 83.2.1. These requirements pertain to Sprint's Listings Service Request process that enables TWTC to (a) submit TWTC subscriber information for inclusion in Directory Listings databases; (b) submit TWTC subscriber information for inclusion in published directories; and (c) provide TWTC subscriber delivery address information to enable Sprint to fulfill directory distribution obligations.
- 83.2.2. When implemented by the Parties, Sprint shall accept orders on a real-time basis via electronic interface in accordance with OBF Directory Service Request standards within three (3) months of the effective date of this Agreement. In the interim, Sprint shall create a standard format and order process by which TWTC can place an order with a single point of contact within Sprint.
- 83.2.3. Sprint will provide to TWTC the following Directory Listing Migration Options, valid under all access methods, including but not limited to, Resale, UNEs and Facilities-Based:
  - 83.2.3.1. Migrate with no Changes. Retain all white page listings for the subscriber in both DA and DL. Transfer ownership and billing for white page listings to TWTC.

- 83.2.3.2. Migrate with Additions. Retain all white page listings for the subscriber in DL. Incorporate the specified additional listings order. Transfer ownership and billing for the white page listings to TWTC.
- 83.2.3.3. Migrate with Deletions. Retain all white page listings for the subscriber in DL. Delete the specified listings from the listing order. Transfer ownership and billing for the white page listings to TWTC.
- 83.2.3.4. To ensure accurate order processing, Sprint or its directory publisher shall provide to TWTC the following information, with updates promptly upon changes:
  - 83.2.3.4.1. A matrix of NXX to central office;
  - 83.2.3.4.2. Geographical maps if available of Sprint service area;
  - 83.2.3.4.3. A description of calling areas covered by each directory, including but not limited to maps of calling areas and matrices depicting calling privileges within and between calling areas;
  - 83.2.3.4.4. Listing format rules;
  - 83.2.3.4.5. Standard abbreviations acceptable for use in listings and addresses;
  - 83.2.3.4.6. Titles and designations; and
  - 83.2.3.4.7. A list of all available directories and their Business Office close dates
- 83.2.4. Based on changes submitted by TWTC, Sprint shall update and maintain directory listings data for TWTC subscribers who:
  - 83.2.4.1. Disconnect Service;
  - 83.2.4.2. Change TWTC;
  - 83.2.4.3. Install Service;
  - 83.2.4.4. Change any service which affects DA information;
  - 83.2.4.5. Specify Non-Solicitation; and
  - 83.2.4.6. Are Non-Published, Non-Listed, or Listed.
- 83.2.5. Sprint shall not charge for storage of TWTC subscriber information in the DL systems.
- 83.2.6. TWTC shall not charge for storage of Sprint subscriber information in

the DL systems.

- 83.3. Directory Listings General Requirements. TWTC acknowledges that many directory functions including but not limited to yellow page listings, enhanced white page listings, information pages, directory proofing, and directory distribution are not performed by Sprint but rather are performed by and are under the control of the directory publisher. TWTC acknowledges that for a TWTC subscriber's name to appear in a directory, TWTC must submit a Directory Service Request (DSR). Sprint shall use reasonable efforts to assist TWTC in obtaining an agreement with the directory publisher that treats TWTC at Parity with the publisher's treatment of Sprint.
- 83.3.1. This Section 83.3 pertains to listings requirements published in the traditional white pages.
- 83.3.2. Sprint shall include in its master subscriber system database all white pages listing information for TWTC subscribers in Sprint territories where TWTC is providing local telephone exchange services and has submitted a DSR.
- 83.3.3. Sprint agrees to include one basic White pages listing for each TWTC customer located within the geographic scope of its White Page directories, at no additional charge to TWTC. A basic White Pages listing is defined as a customer name, address and either TWTC assigned number for a customer or the number for which number portability is provided, but not both numbers. Basic White Pages listings of TWTC customers will be interfiled with listings of Sprint and other LEC customers.
- 83.3.4. TWTC agrees to provide TWTC customer listing information, including without limitation directory distribution information, to Sprint, at no charge. Sprint will provide TWTC with the appropriate format for provision of TWTC customer listing information to Sprint. The Parties agree to adopt a mutually acceptable electronic format for the provision of such information as soon as practicable. In the event OBF adopts an industry-standard format for the provision of such information, the Parties agree to adopt such format.
- 83.3.5. Sprint agrees to provide White Pages database maintenance services to TWTC. TWTC will be charged a Service Order entry fee upon submission of Service Orders into Sprint's Service Order Entry (SOE) System, which will include compensation for such database maintenance services. Service Order entry fees apply when Service Orders containing directory records are entered into Sprint's SOE System initially, and when Service Orders are entered in order to process a requested change to directory records.



- 83.3.6. TWTC customer listing information will be used solely for the provision of directory services, including the sale of directory advertising to TWTC customers.
- 83.3.7. In addition to a basic White Pages listing, Sprint will provide, tariffed White Pages listings (e.g.: additional, alternate, foreign and non-published listings) for TWTC to offer for resale to TWTC's customers.
- 83.3.8. Sprint, or its directory publisher, agree to provide White Pages distribution services to TWTC customers within Sprint's service territory at no additional charge to TWTC. Sprint represents that the quality, timeliness, and manner of such distribution services will be at Parity with those provided to Sprint and to other CLEC customers.
- 83.3.9. Sprint agrees to include critical contact information pertaining to TWTC in the "Information Pages" of those of its White Pages directories containing information pages, provided that TWTC meets criteria established by its directory publisher. Critical contact information includes TWTC's business office number, repair number, billing information number, and any other information required to comply with applicable regulations, but not advertising or purely promotional material. TWTC will not be charged for inclusion of its critical contact information. The format, content and appearance of TWTC's critical contact information will conform to applicable Sprint directory publisher's guidelines and will be consistent with the format, content and appearance of critical contact information pertaining to all CLECs in a directory.
- 83.3.10. Sprint will accord TWTC customer listing information the same level of confidentiality that Sprint accords its own proprietary customer listing information. Sprint shall ensure that access to TWTC customer proprietary listing information will be limited solely to those of Sprint and Sprint's directory publisher's employees, agents and contractors that are directly involved in the preparation of listings, the production and distribution of directories, and the sale of directory advertising. Sprint will advise its own employees, agents and contractors and its directory publisher of the existence of this confidentiality obligation and will take appropriate measures to ensure their compliance with this obligation. Notwithstanding any provision herein to the contrary, the furnishing of White Pages proofs to a TWTC that contains customer listings of both Sprint and TWTC will not be deemed a violation of this confidentiality provision.
- 83.3.11. Sprint will sell or license TWTC's customer listing information to any third parties unless TWTC submits written requests that Sprint refrain from doing so. Sprint and TWTC will work cooperatively to share any payments for the sale or license of TWTC customer listing information to third parties. Any payments due to TWTC for its customer listing

information will be net of administrative expenses incurred by Sprint in providing such information to third parties. The Parties acknowledge that the release of TWTC's customer listing to Sprint's directory publisher will not constitute the sale or license of TWTC's customer listing information causing any payment obligation to arise pursuant to this Section 83.3.11.

- 83.4. Other Directory Services. Sprint will exercise reasonable efforts to cause its directory publisher to enter into a separate agreement with TWTC which will address other directory services desired by TWTC as described in this Section 83.4. Both Parties acknowledge that Sprint's directory publisher is not a party to this Agreement and that the provisions contained in this Section 83.4 are not binding upon Sprint's directory publisher.
- 83.4.1. Sprint's directory publisher will negotiate with TWTC concerning the provision of a basic Yellow Pages listing to TWTC customers located within the geographic scope of publisher's Yellow Pages directories and distribution of Yellow Pages directories to TWTC customers.
- 83.4.2. Directory advertising will be offered to TWTC customers on a nondiscriminatory basis and subject to the same terms and conditions that such advertising is offered to Sprint and other CLEC customers. Directory advertising will be billed to TWTC customers by directory publisher.
- 83.4.3. Directory publisher will use commercially reasonable efforts to ensure that directory advertising purchased by customers who switch their service to TWTC is maintained without interruption.
- 83.4.4. Information pages, in addition to any information page or portion of an information page containing critical contact information as described above in Section 83.3.9 may be purchased from Sprint's directory publisher, subject to applicable directory publisher guidelines, criteria, and regulatory requirements.
- 83.4.5. Directory publisher maintains full authority as publisher over its publishing policies, standards and practices, including decisions regarding directory coverage area, directory issue period, compilation, headings, covers, design, content or format of directories, and directory advertising sales.
- 83.5. Directory Assistance Data. This section refers to the residential, business, and government subscriber records used by Sprint to create and maintain databases for the provision of live or automated operator assisted Directory Assistance. Directory Assistance Data is information that enables telephone exchange CLECs to swiftly and accurately respond to requests for directory information, including, but not limited to name, address and phone numbers. Under the provisions of the Act and the FCC's Interconnection order, Sprint shall provide unbundled and non-discriminatory access to the residential, business and government subscriber

records used by Sprint to create and maintain databases for the provision of live or automated operator assisted Directory Assistance. This access shall be provided under separate contract.

## 83.6. Systems Interfaces and Exchanges

### 83.6.1. Directory Assistance Data Information Exchanges and Interfaces

#### 83.6.1.1. Subscriber List Information

83.6.1.1.1. Sprint shall provide to TWTC, within sixty (60) Days after the Approval Date of this Agreement, or at TWTC's request, all published Subscriber List Information (including such information that resides in Sprint's master subscriber system/accounts master file for the purpose of publishing directories in any format as specified by the Act) via an electronic data transfer medium and in a mutually agreed to format, on the same terms and conditions and at the same rates that the Sprint provides Subscriber List Information to itself or to other third parties. All changes to the Subscriber List Information shall be provided to TWTC pursuant to a mutually agreed format and schedule. Both the initial List and all subsequent Lists shall indicate for each subscriber whether the subscriber is classified as residence or business class of service.

83.6.1.1.2. TWTC shall provide directory listings to Sprint pursuant to the directory listing and delivery requirements in the approved OBF format, at a mutually agreed upon timeframe. Other formats and requirements shall not be used unless mutually agreed to by the Parties.

## 83.7. Listing Types

### LISTED

The listing information is available for all directory requirements.

### NON-LISTED

The listing information is available to all directory requirements, but the information does not appear in the published street directory.

**NON-PUBLISHED** A directory service may confirm, by name and address, the presence of a listing, but the telephone number is not available. The listing information is not available in either the published directory or directory assistance.

## **PART J - REPORTING STANDARDS**

### **84. GENERAL**

- 84.1. Sprint shall satisfy all service standards, intervals, measurements, specifications, performance requirements, technical requirements, and performance standards and will pay any penalties for violation of the performance standards that are required by law or regulation. In addition, Sprint's performance under this agreement shall be provided to TWTC at Parity with the performance Sprint provides itself for like service(s).

## **PART K – COLLOCATION**

### **85. SCOPE OF COLLOCATION ATTACHMENT**

- 85.1. Sprint will provide Collocation to TWTC in accordance with this Agreement for the purposes of Interconnection with Sprint facilities or services of Sprint or other carriers or access to unbundled network elements (“UNEs”) of Sprint pursuant to the Act (including 47 U.S.C. Section 251(c)(2)) and for obtaining access to Sprint’s UNEs pursuant to the Act (including 47 U.S.C. Section 251(c)(3)). Collocation shall be provided on a nondiscriminatory basis, on a “first-come, first-served” basis, and otherwise in accordance with the requirements of the Act (including 47 U.S.C. Section 251(c)(6)).
- 85.2. Prices and fees for collocation and other services under this Agreement are contained in the price list attached hereto as Part C, Table One. In the event Sprint files tariffs for pricing of collocation and other services covered by this Agreement, such pricing in the tariffs will control over Part C, Table One as of the date the tariff becomes effective. The terms and conditions of this Agreement will control over any terms and conditions in the tariff.
- 85.3. This Agreement states the general terms and conditions upon which Sprint will grant to TWTC a non-exclusive license to gain access to and occupy the Collocation Space, and other associated facilities as may be necessary, for the sole and exclusive purpose of providing telecommunications service as specifically identified on a completed, numbered and dated Site Collocation License executed by both Parties (which Site Collocation License shall be in substantially the form attached as Attachment A). Such telecommunications service will be provided by TWTC installing, maintaining and operating TWTC's equipment, which will interconnect with Telecommunications Services and facilities provided by Sprint or accessing UNEs of Sprint in accordance with this Agreement.

### **86. TERMINATION OF COLLOCATION SPACE**

- 86.1. Termination. TWTC may terminate occupancy in a particular Collocation Space upon thirty (30) Days prior written notice to Sprint. Upon termination of such occupancy, TWTC at its expense shall remove its equipment and other property from the Collocation Space. TWTC shall have thirty (30) Days from the termination date to complete such removal, including the removal of all equipment and facilities of TWTC's Guests; provided, however, that TWTC shall continue payment of monthly fees to Sprint until such date as TWTC has fully vacated the Collocation Space. TWTC will surrender the Collocation Space to Sprint in the same condition as when first occupied by TWTC, except for ordinary wear and tear.
- 86.2. TWTC shall be responsible for the cost of removing any enclosure, together with all supporting structures (e.g., racking, conduits), of an Adjacent Collocation arrangement at the termination of occupancy and restoring the grounds to their original condition.

- 86.3. Upon termination of TWTC's right to possession as provided for in this Agreement, including but not limited to Section 86.6, without termination of this Agreement, TWTC shall surrender possession and vacate the Collocation Space within thirty (30) Days. Failure to surrender the Collocation Space within thirty (30) Days shall be considered abandonment and Sprint will have the right to remove the equipment and other property of TWTC or TWTC's Guest at TWTC's expense and with no liability for damage or injury to TWTC's property.
- 86.4. Should Sprint under any section of this Agreement remove any of TWTC's equipment from its collocation space, Sprint will deliver to TWTC any equipment removed by Sprint only upon payment by TWTC of the cost of removal, storage and delivery, and all other undisputed amounts due Sprint under this Agreement. Should TWTC fail to remove any of its equipment deemed abandoned, title thereto shall pass to Sprint under this Agreement as if by a Bill of Sale. Nothing herein shall limit Sprint from pursuing, at its option, any other remedy in law, equity, or otherwise related to TWTC's occupancy in the Collocation Space, including any other remedy provided in this Agreement.
- 86.5. Surrender of Keys. TWTC shall surrender all keys, access cards and Sprint-provided photo identification cards to the Collocation Space and the Building to Sprint, and shall make known to Sprint the combination of all combination locks remaining on the Collocation Space.
- 86.6. If it becomes necessary in Sprint's reasonable judgment, and there are no other reasonable alternatives available, Sprint shall have the right, for good cause shown, and upon thirty (30) Days prior notice, to reclaim the Collocation Space or any portion thereof, any Inner Duct, Outside Cable Duct, Cable Vault space or other Sprint-provided facility in order to fulfill its common carrier obligations, any order or rule of the state commission or the FCC, or Sprint's tariffs to provide Telecommunications Services to its end user customers. In such cases, Sprint will reimburse TWTC for reasonable direct costs and expenses in connection with such reclamation.
- 86.7. If it becomes necessary in Sprint's reasonable judgment, and there are no other reasonable alternatives, to require TWTC to move to equivalent space in the Premises upon receipt of sixty (60) Days written notice from Sprint, in which event, Sprint shall pay all moving costs, and the Collocation License Fee provided for herein shall remain the same.

## **87. COLLOCATION OPTIONS**

- 87.1. Cageless. Sprint will offer Collocation Space to allow TWTC to collocate its equipment and facilities, and without requiring the construction of a cage or similar structure. Sprint will allow TWTC to have access to its equipment and facilities 24 hours a day, 7 days a week without need for a security escort provided that TWTC has met Sprint's safety and security requirements. Sprint may require TWTC to use a central entrance to the Sprint Central Office. Sprint shall make cageless collocation available in single bay increments. For

equipment requiring special technical considerations, TWTC must provide the equipment layout, including spatial dimensions for such equipment pursuant to generic requirements contained in Telcordia GR-63-Core and shall be responsible for constructing all special technical requirements associated with such equipment pursuant to this Agreement.

87.2. Caged. Sprint will authorize the enclosure of TWTC's equipment and facilities at TWTC's option. Sprint will provide guidelines and specifications upon request. Based on TWTC's request, space and cage enclosures in amounts as small as that sufficient to house and maintain a single rack or bay or equipment will be made available. At TWTC's option, Sprint will permit TWTC to arrange with a third party vendor to construct a Collocation Arrangement enclosure at TWTC's sole expense. TWTC's third party vendor will be responsible for filing and receiving any and all necessary permits and/or licenses for such construction. The third party vendor shall bill TWTC directly for all work performed for TWTC and Sprint will have no liability for nor responsibility to pay such charges imposed by the third party vendor. TWTC must provide the local Sprint building contact with one Access key used to enter the locked enclosure. Except in case of emergency, Sprint will not access TWTC's locked enclosure prior to notifying TWTC and obtaining authorization.

87.2.1. Sprint has the right to review TWTC's plans and specifications prior to allowing construction to start. Sprint will complete its review within fifteen (15) Days of receipt of such plans. Sprint has the right to inspect the enclosure after construction to make sure it is constructed according to the submitted plans and specifications. Sprint can require TWTC to remove or correct, at its cost, any structure that does not meet these plans.

87.3. Shared (Subleased) Caged Collocation. TWTC may allow other telecommunications carriers to share its caged collocation arrangement pursuant to terms and conditions agreed to by TWTC ("Host") and other telecommunications carriers ("Guests"). TWTC will notify Sprint in writing upon execution of any agreement between the Host and its Guest within twelve (12) Days of its execution. Further, such notice shall include the name of the Guest(s) and their term of agreement, and shall contain a certification by TWTC that said agreement imposes upon the Guest(s) the same terms and conditions (excluding rates) for collocation space as set forth in this Agreement.

87.3.1. As Host, TWTC will be the sole interface and responsible Party to Sprint for the purpose of submitting applications for initial and additional equipment placements of Guest (to the extent required under other sections of this Agreement); for assessment and payment of rates and charges applicable to the Collocations space; and for the purposes of ensuring that the safety and security requirements of this Agreement are fully complied with by the Guest, its employees and agents. In making shared cage arrangements, Sprint will not increase the cost of site preparation or nonrecurring charges above the cost of provisioning such



a cage of similar dimensions and material to a TWTC.

- 87.3.2. Sprint will not place unreasonable restrictions on TWTC's use of a cage, and as such will allow TWTC to contract with other CLECs to share the cage in a sublease type arrangement. If two (2) or more CLECs that have interconnection agreements with Sprint utilize a shared collocation cage, Sprint will permit each TWTC to order UNEs and provision service from the shared collocation space, regardless of which CLEC was the original collocater.
- 87.3.3. If Host terminates a Collocation Arrangement, Host will provide Guest thirty (30) Days notice. Guest will assume all obligations and rights of Host as to that Collocation Arrangement if Guest remains in the Collocation Space, including payment of all charges.
- 87.4. Adjacent Collocation. Sprint will provide adjacent collocation arrangements ("Adjacent Arrangement") where space within the Premises is legitimately exhausted, subject to technical feasibility. Both Parties will mutually agree on the location of the designated space on the Sprint property where the adjacent structure (such as a CEV or similar structure) will be placed. If a mutual agreement cannot be reached within sixty (60) Days, Sprint will decide the location, subject to zoning or other state and local regulations.
  - 87.4.1. TWTC will provide a concrete pad, the structure housing the arrangement, HVAC, lighting, and all facilities that connect the structure (i.e. racking, conduits, etc.) to the Sprint point of interconnection. Should TWTC elect such an option, TWTC must arrange with a third party vendor to construct an Adjacent Arrangement structure in accordance with this Agreement.
  - 87.4.2. Sprint maintains the right to review TWTC's plans and specifications prior to construction of an Adjacent Arrangement(s). Sprint will complete its review within thirty (30) Days of site selection and receipt of plans. Except that such time period may be extended if any delay is due to the actions of TWTC. Sprint may inspect the Adjacent Arrangement(s) following construction and prior to commencement to ensure the design and construction comply with submitted plans. Sprint may require TWTC to correct any deviations from approved plans found during such inspection(s).
  - 87.4.3. Sprint will provide AC power, as requested, subject to being technically feasible. At its option, TWTC may choose to provide its own AC power to the adjacent structure as long as the AC power source is from the same provider as Sprint's.
  - 87.4.4. Subject to TWTC being on the waiting list, in the event that space in a Sprint Premises becomes available, Sprint will provide the option to TWTC to relocate its equipment from an Adjacent Facility into the Sprint Premises. In the event TWTC chooses to relocate its equipment,

appropriate charges will apply, including charges to vacate the adjacent collocation arrangement and charges applicable for collocation within the Sprint Premises.

- 87.5. Contiguous Space. To the extent possible, Sprint will provide TWTC with contiguous space for any subsequent request for physical collocation space, but makes no assurances that contiguous space will be available.
- 87.6. Virtual Collocation. Sprint will provide virtual collocation, subject to being technically feasible, if physical collocation is not practical for technical reasons or because of space limitations and in accordance with the Act (including 47 U.S.C. Section 251(c)(6) and 47 C.F.R. Section 51.323).
  - 87.6.1. TWTC may from time to time, lease to Sprint, at no cost to Sprint, equipment that meet applicable FCC requirements and in accordance with this Agreement, for the sole purpose of having Sprint install and maintain the equipment in accordance with terms and conditions mutually agreed upon by the Parties.
  - 87.6.2. Virtually collocated equipment shall be purchased by TWTC. Sprint does not assume any responsibility for the design, engineering, testing or performance for the end-to-end connection of TWTC's equipment, arrangement or facilities.
  - 87.6.3. Sprint will, at a minimum, install, maintain, and repair TWTC's collocated equipment within the same time periods and with failure rates that are no greater than those that apply to the performance of similar functions for comparable equipment of Sprint, Sprint's affiliates or third parties. The following services are not covered by this Agreement:
    - 87.6.3.1. services to resolve software or hardware problems resulting from products provided by parties other than Sprint or causes beyond the control of Sprint;
    - 87.6.3.2. service of attached, related, collateral or ancillary equipment or software not covered by this section;
    - 87.6.3.3. repairing damage caused to TWTC's collocated equipment by persons other than Sprint, or its authorized contractors, or
    - 87.6.3.4. repairing damage to other property or equipment caused by operation of TWTC's collocated equipment and not caused by the sole negligence of Sprint.
  - 87.6.4. TWTC warrants that Sprint shall have quiet enjoyment of the equipment. Sprint will be entitled to the benefit of any applicable manufacturer's warranties and indemnities and, to the extent assignable, such warranties and indemnities are hereby assigned by TWTC for the benefit of Sprint and TWTC shall take all reasonable action to enforce such warranties and indemnities where available to Sprint. TWTC shall execute, upon

presentation, such documents and instruments as may be required to allow Sprint manufacturer's warranty coverage for any equipment. TWTC warrants that it has full authority to lease the equipment under the terms and conditions set forth herein and that there are no restrictions, legal or otherwise, which would preclude it from so doing.

87.6.4.1. In the event Sprint's right to quiet enjoyment is breached, either by TWTC's failure to make or cause to be made payment to the equipment manufacturer of the full purchase price for the equipment when such payment becomes due, or otherwise, Sprint may give written notice to TWTC and all of Sprint's obligations relating to the affected equipment shall terminate immediately.

87.6.5. Sprint's preparation, if any, of the Premises (e.g., Power, environmental, etc.) for the Virtual Collocation equipment will be charged to TWTC at rates agreed on by the Parties or as filed in a tariff and approved by the Commission.

#### 87.7. Collocation of Splitters

87.7.1. Splitters may be installed in TWTC's physical collocation space or installed and maintained by Sprint in a common area on racks leased by TWTC.

87.7.2. Customer will provide all Splitters.

87.7.3. Physical Collocation of Splitters. There are two wiring configurations associated with the DSLAMS installed in TWTC's physical collocation space:

87.7.3.1. the DSLAM is direct wired to the POTS Splitter; and

87.7.3.2. the DSLAM is direct wired to the MDF.

87.7.4. All wiring connectivity from TWTC's Splitter(s) (Sprint analog voice input to the Splitter and combined analog voice/data output from the Splitter) will be cabled out to the Sprint distribution frame for cross connection with jumpers. TWTC will install Splitter. Sprint will provide and, if requested, install the cabling from TWTC's Collocation Space to Sprint's main distribution frame at pricing set forth in Part C, Table One.

87.7.5. Installation

87.7.5.1. Installing Splitters and Cabling

87.7.5.1.1. Sprint agrees to place the Splitters in the applicable Central Offices in an appropriate location chosen by Sprint. Sprint will use reasonable efforts to install the Splitter in a

relay rack or bay as close to the main distribution frame as is reasonably practicable. Unless otherwise agreed upon in writing between the Parties, rack space will be allocated on a shelf by shelf basis.

87.7.5.1.2. Sprint agrees that, upon the request of TWTC, it shall cause the Splitters to be plainly, permanently, and conspicuously marked, by metal tag or plate supplied by TWTC to be affixed thereto, indicating TWTC's ownership of the Splitters. Sprint will not remove, destroy or obliterate any such marking. Sprint agrees to keep all Splitters free from any marking or labeling which might be interpreted as a claim of ownership thereof by Sprint or any party other than TWTC.

87.7.5.2. TWTC will pay for Splitter Shelf in common area at pricing set forth in Part C, Table One.

87.7.5.3. All wiring connectivity from TWTC's Splitter (Sprint analog voice input to the Splitter and combined analog voice/data output from the Splitter) will be cabled out to the Sprint main distribution frame for cross connection with jumpers if practicable.

87.7.5.4. Sprint will provide and install the cabling from the Splitter(s) to Sprint's main distribution frame and from the Splitter(s) to TWTC's Collocation Space at pricing set forth in Part C, Table One.

#### 87.7.6. Providing and Replacing Cards

87.7.6.1. TWTC is responsible for ordering and providing to Sprint Splitter cards as necessary to effectively operate the Splitter. Sprint will install such cards per TWTC's instructions. TWTC will provide one empty card for every shelf to be used for repair and maintenance until such time as the card must be used to fill the shelf to capacity. TWTC is responsible for Splitter assignments and monitoring for exhaust based on block and pin assignments.

#### 87.7.6.2. Card and Splitter Replacement

87.7.6.2.1. During the term of each License that includes Splitters, Sprint agrees to replace the Splitter cards if requested to do so by TWTC. Sprint and TWTC shall take efforts to minimize

possible service disruptions, including, but not limited to, replacing Splitter cards during maintenance windows. Sprint will not use the Splitters for any purposes other than that for which they were designed. Sprint may perform these obligations through Sprint's employees or any qualified company.

87.7.6.2.2. TWTC will provide replacement cards and replacement Splitters as required. Replacement Splitters will be either new or of like-new quality. Upon TWTC's written request, Sprint will return the replaced Splitter(s) to TWTC. TWTC agrees to pay the full costs of transportation of replacement Splitters to and from Sprint's central office.

87.7.6.2.3. Sprint shall perform replacement of the cards and the Splitters on a time and materials basis at pricing set forth in Part C, Table One.

87.7.6.2.4. Upon termination of any collocation arrangement that includes Splitters (by expiration or otherwise) Sprint will insure that the Splitter is in as good operating order, repair, condition and appearance as when received, less normal wear and tear, and excepting physical damage, loss, destruction, theft or governmental taking in which case the provisions of Section 10 shall apply. TWTC agrees to provide Sprint via pre-paid delivery with a medium for packaging and transportation of such Splitter. TWTC absolves Sprint of any damage, which may occur as a result of Splitter transportation to TWTC, except to the extent Sprint was negligent or engaged in intentional or willful misconduct.

87.7.6.2.5. The following services are not covered by this Agreement:

87.7.6.2.5.1. services to resolve software or hardware problems resulting from products provided by parties other than Sprint or causes beyond the control of Sprint;

87.7.6.2.5.2. service of attached, related, collateral or ancillary equipment or software not covered by this Agreement;

87.7.6.2.5.3. repairing damage caused to the Splitter by persons other than Sprint, or its authorized contractors, or

87.7.6.2.5.4. repairing damage to other property or equipment caused by operation of the Splitter and not caused by the negligence of Sprint.

**87.7.7. Co-operative Testing and Inspection**

87.7.7.1. TWTC agrees that operation of the Splitters will not commence before TWTC provides a device to Sprint, which will allow Sprint to test when it installs the Splitters and cabling.

87.7.7.2. If the Splitter is not placed in TWTC's physical collocation space, Sprint agrees to allow TWTC to have reasonable, escorted access to the Splitters and the termination points for cooperative testing and inspection upon the request of either party, at a time mutually agreeable to both parties and in accordance with Sprint's Co-operative Testing Policy. The requesting party agrees to pay the other party's actual costs calculated on a time and material basis.

87.7.7.3. When TWTC is provided test access to the Splitter and its termination points, TWTC will at all times permit only those of its employees, contractors, or agents to make such testing who are properly certified as qualified under reasonable terms and conditions determined by Sprint within its sole discretion, and under such contract arrangements reasonably required by Sprint of TWTC.

**88. DEMARCATION POINT**

88.1. Sprint will designate the point of demarcation, unless otherwise mutually agreed to by the Parties, in or adjacent to its Collocation Space. At TWTC's request, Sprint will identify the location(s) of other possible demarcation points available to TWTC, and TWTC will designate from these location(s) the point(s) of demarcation between its collocated equipment and Sprint's equipment. Sprint will use its best efforts to identify the closest demarcation point to TWTC's equipment that is available.

- 88.2. Each Party will be responsible for maintenance and operation of all equipment/facilities on its side of the demarcation point.
- 88.3. At TWTC's option and expense, a point of termination (POT) bay, frame or digital cross-connect may be placed in or adjacent to the Collocation Space that may, at TWTC's option, serve as the demarcation point. If TWTC elects not to provide a POT frame, Sprint will agree to handoff the interconnection cables to TWTC at its equipment, at TWTC's designated demarcation point. When TWTC elects to install its own POT frame/cabinet, Sprint must still provide and install the required DC power panel.

## **89. APPLICATION PROCESS**

- 89.1. Upon TWTC's selection of a Premises in which it desires to collocate its Equipment, Sprint will provide a then current collocation application form (the "Application") to TWTC. TWTC will submit an Application when initially requesting Collocation Space, or modifying the use of the Collocation Space. The Application shall contain a detailed description and schematic drawing of the equipment to be placed in TWTC's Collocation Space(s), an estimate of the amount of square footage required (or, in the case of Cageless Collocation, bay space), as well as the associated power requirements, floor loading, and heat release of each piece.
  - 89.1.1. TWTC will complete the Application, and return it, along with the appropriate Application Fee, to Sprint. The Application shall include complete details of the collocation and interconnection requested, including, but not limited to, specific floor space, power, and environmental conditioning requirements. Sprint will not process an Application until both the Application and the applicable Application fee are received.
  - 89.1.2. Application Augment Fee. In the event TWTC desires to modify or decommission the use of the Collocation Space in a manner that requires additional engineering or preparation work by Sprint, TWTC will complete a subsequent Application detailing all information regarding the modification to the Collocation Space together with payment of the appropriate Application Augment Fee. Such modifications to the Premises may include but are not limited to, floor loading changes, changes necessary to meet HVAC requirements, changes to power plant requirements, and equipment additions.
  - 89.1.3. No Subsequent Fee. Where TWTC modifies the use of the Collocation Space or adds equipment that requires no additional engineering or preparation work on the part of Sprint, Sprint will not impose additional charges or additional intervals that would delay TWTC's operation. TWTC will notify Sprint of the modifications or additional equipment prior to installation.

- 89.1.4. If Collocation Space is unavailable or TWTC withdraws its request, the Application fee, less the costs incurred by Sprint (e.g. engineering record search and administrative activities required to process the Application) will be refunded.
- 89.2. Multiple Methods. If TWTC wishes Sprint to consider multiple methods for collocation on a single Application, TWTC will need to include in each Application a prioritized list of its preferred methods of collocating, e.g., caged, shared, or other, as well as adequate information, (e.g., specific layout requirements, cage size, number of bays, requirements relative to adjacent bays, etc.) for Sprint to process the Application for each of the preferred methods. If TWTC provides adequate information and its preferences with its Application, Sprint may not require an additional Application, nor would TWTC be required to restart the quotation interval should its first choice not be available in a requested Premises. Only one collocation arrangement will be provisioned per application. Sprint will not select for TWTC the type of collocation to be ordered.
- 89.3. Within ten (10) Days after receiving TWTC's Application for collocation, Sprint must inform TWTC whether the Application meets each of Sprint's established collocation standards. Should TWTC submit a revised Application curing any deficiencies in an Application for collocation within ten Days after being informed of them, TWTC shall retain its original position within any collocation queue that Sprint maintains. If Sprint informs TWTC that there is a deficiency in an Application, Sprint must provide sufficient detail so that TWTC has a reasonable opportunity to cure each deficiency.
- 89.4. Revisions. All revisions to an initial request for a Physical Collocation Arrangement submitted by TWTC must be in writing. A new interval for the Physical Collocation Arrangement will be established which shall not exceed two months beyond the originally established date. TWTC will be required to pay any applicable Application fees.
- 89.5. Space Availability Response. Sprint shall provide confirmation of space availability within ten (10) Days of receipt of a complete and accurate Application and applicable Application fee for one (1) to five (5) Applications submitted. Space availability response will be increased by five (5) Days for every five (5) additional Applications received.
- 89.5.1. Sprint will notify TWTC in writing as to whether its request for Collocation Space has been granted or denied due to lack of space. The notification will also include a possible future space relief date, if applicable.
- 89.5.2. In order to increase the amount of space available for collocation, Sprint will, upon request, remove obsolete unused equipment, from its Premises to increase the amount of space available for collocation.
- 89.6. Denial of Application. After notifying TWTC that Sprint has no available space in the requested Central Office ("Denial of Application"), Sprint will allow



TWTC, upon request, to tour the entire Central Office within ten (10) Days, or other mutually agreeable timeframe, of such Denial of Application. In order to schedule said tour the request for a tour of the Central Office must be received by Sprint within five (5) Days of the Denial of Application.

- 89.6.1. If TWTC contests Sprint's notice that there is not sufficient space in the Central Office, the parties agree to seek expedited resolution of the dispute at the Commission pursuant to Section 251(c)(6) of the Act. If the Commission determines that space is not available, Sprint will not be required to conduct a review of floor space availability in the same central office more frequently than once every six months.
- 89.6.2. On a first come, first serve basis, Sprint will maintain a waiting list of requesting carriers who have either received a Denial of Application or, where it is publicly known that the Premises is out of space, have submitted a Letter of Intent to collocate.
- 89.6.3. Sprint will simultaneously notify the telecommunications carriers on the waiting list when space becomes available if there is enough space to accommodate additional collocation. Subsequent to the granting of a Petition for Waiver, if TWTC has been denied space at a Sprint Premises and challenges Sprint on space availability at said Premises, TWTC will be given priority for space assignment if, as a result of the challenge, space is found to be available. TWTC will reaffirm its collocation request within thirty (30) Days of such notification; otherwise, it will be dropped to the bottom of the list. Upon request, Sprint will advise TWTC as to its position on the list.
- 89.6.4. If TWTC's Application for Physical Collocation is denied due to lack of space, Sprint will place TWTC on the waiting list for collocation in particular Premises according to the date TWTC submitted its Application and not the date of denial for lack of space.
- 89.6.5. Sprint will maintain on its Website a notification document that will indicate all Premises that are without available space. Sprint will update such document within ten (10) Days of the date at which a Premises runs out of physical collocation space.
- 89.7. Price Quote. Sprint will provide a price quote within thirty (30) Days of receipt of a complete and accurate Application and applicable Application fee for one (1) to five (5) Applications. Price quote response will be increased by five (5) Days for every five (5) additional Applications received. The quotation will include the applicable nonrecurring and recurring rates.
- 89.8. TWTC has sixty-five (65) Days from receipt of the quotation to accept the quotation in writing. The quotation expires after sixty-five (65) Days. After sixty-five (65) Days, a new Application and Application fee are required. Collocation Space is not reserved until the quotation is accepted. Sprint need not meet the deadlines for provisioning Physical Collocation if, after receipt of any

price quotation provided by Sprint, TWTC does not notify Sprint that physical collocation should proceed.

- 89.9. Bona Fide Firm Order (BFFO). TWTC will indicate its intent to proceed with equipment installation in a Sprint Premises by accepting the price quote, which constitutes a BFFO. The BFFO must be received by Sprint no later than sixty-five (65) Days after Sprint's provisioning of the price quote in response to TWTC's Application. If TWTC makes changes to its Application in light of Sprint's written Application Response, Sprint may be required to re-evaluate and respond to the change(s). In this event, TWTC's Application will be treated as a Revision.
- 89.10. Space preparation for the Collocation Space will not begin until Sprint receives the BFFO and all applicable fees, including all non-recurring charges required by Sprint at the time of the BFFO.

## **90. SPACE RESERVATION**

- 90.1. The parties may reserve floor space for their own specific uses for the remainder of the current year, plus twelve (12) months. Neither Sprint, nor any of its affiliates, will reserve space for future use on terms more favorable than those that apply to other telecommunications carriers seeking to reserve collocation space for their own future use.

## **91. PROVISIONING INTERVALS**

- 91.1. Sprint will complete construction of Caged Physical (including Shared Caged), Cageless Physical, and Virtual Collocation arrangements within ninety (90) Days of receipt of a BFFO. Sprint will complete construction of Adjacent Collocation arrangements (as defined in Section 87.4) within one hundred twenty (120) Days of receipt of a BFFO. If Sprint is unable to complete construction as provided herein, the parties may agree to a mutually acceptable interval or Sprint may petition the Commission for waiver.

## **92. CONSTRUCTION AND COMMENCEMENT OF BILLING**

- 92.1. Sprint shall permit TWTC or its designated subcontractor to perform the construction of physical collocation space, provided however, that any such TWTC subcontractor shall be subject to Sprint's security standards. Sprint reserves the right to reject any TWTC subcontractor upon the same criteria that Sprint would use on its own subcontractors. TWTC will notify Sprint in writing when construction of physical collocation space is complete.
- 92.2. Sprint Inspection. Sprint shall have the right to inspect TWTC's completed installation of equipment and facilities prior to TWTC turning up such equipment and facilities. TWTC shall provide written notification to Sprint when TWTC has completed its installation of equipment and facilities in the Collocation space, and Sprint shall, within five (5) Business Days of receipt of such notice, either (i)

inspect such Collocation space or (ii) notify TWTC that Sprint is not exercising its right to inspect such Collocation space at that time and that TWTC may turn up its equipment and facilities. Failure of Sprint to either inspect the Collocation space or notify TWTC of its election not to inspect such space within the foregoing five (5) Business Day period shall be deemed an election by Sprint not to inspect such Collocation space. TWTC shall have the right to be present at such inspection, and if TWTC is found to be in non-compliance with the terms and conditions of this Agreement that relate to the installation and use of TWTC's Collocated equipment and facilities, TWTC shall modify its installation to achieve compliance prior to turning up its equipment and facilities.

- 92.3. To the extent Sprint performs the construction of the Physical Collocation Arrangement, Sprint shall construct the Collocated Space in compliance with mutually agreed collocation request. Any deviation to TWTC's order must thereafter be approved by TWTC. The Parties acknowledge that TWTC approved deviations may require additional construction time and may incur additional TWTC expenses. TWTC shall pay the incremental cost incurred by Sprint as the result of Revision applicable to construction of any Collocation Space. TWTC will pay all applicable fees, including any nonrecurring charges required by Sprint, prior to Sprint commencing construction of the collocation space.
- 92.4. Extraordinary Construction Costs. TWTC will be responsible for all extraordinary costs, as determined in accordance with the Act, incurred by Sprint to prepare the Collocation space for the installation of TWTC 's equipment and for extraordinary costs to maintain the Collocation space for TWTC 's equipment on a going-forward basis. Extraordinary costs may include costs for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, increasing the DC power system infrastructure capacity, increasing the capacity of the standby AC system (if available) or the existing commercial power facility, conversion of non-Collocation space, compliance with federal and state requirements, or other modifications required by local ordinances. Sprint will charge for these extraordinary costs on a time-sensitive or time-and-materials basis and will allocate the costs fairly among itself, TWTC and other collocators. An estimate of such costs, as determined in accordance with the Act, will be provided to TWTC prior to commencing such work. Extraordinary costs will only be billed to TWTC if such costs have been authorized by TWTC. Sprint must advise TWTC if extraordinary costs will be incurred.
- 92.5. Permits. Each Party or its agents will diligently pursue filing for the permits required for the scope of work to be performed by that Party or its agents.
- 92.6. Acceptance Walk Through. Sprint will notify TWTC when construction of a Collocation Space is complete. The Parties will complete an acceptance walk through of each provisioned Collocation Space. Sprint will commence to correct any deviations to TWTC's original or jointly amended requirements within five (5) Days after the walk through. If TWTC does not conduct an acceptance walk through within fifteen (15) Days of the notification that the Collocation Space

construction is complete, TWTC will be deemed to have accepted the Collocation Space and billing will commence.

- 92.7. If, at anytime, TWTC cancels its order for Physical Collocation, Caged, Shared Cage, or Adjacent Space Collocation, or Virtual Collocation, TWTC will reimburse Sprint for any actual expenses incurred and not already paid, which may include incidental equipment costs, material ordered, provided or used; labor; transportation, DS0, DS1 and DS3 cable and all other associated costs. Sprint shall provide TWTC with a detailed listing showing the costs incurred.

### **93. EQUIPMENT**

- 93.1. Equipment Type. TWTC may only locate equipment necessary for interconnection to Sprint and accessing Sprint's unbundled network elements in accordance with Applicable Rules, including but not limited to 47 U.S.C. 251 (C) (3), 47 U.S.C. 251 (C) (2), and 47 CFR 51.323(b-c).
- 93.2. TWTC's equipment and facilities shall not be placed or operated in such a manner that creates hazards or causes physical harm to any individual or the public.
- 93.3. All equipment to be collocated must meet Level 1 safety requirements as set forth in Telcordia Network Equipment and Building Specifications (NEBS), but Sprint will not impose safety requirements on TWTC that are more stringent than the safety requirements it imposes on its own equipment. If Sprint denies collocation of TWTC's equipment, citing safety standards, Sprint must provide to TWTC within five (5) Business Days of the denial a list of all equipment that Sprint locates within the Premises in question, together with an affidavit attesting that all of that equipment meets or exceeds the safety standard that Sprint contends the competitor's equipment fails to meet. In the event that Sprint believes that the collocated equipment is not necessary for interconnection or access to unbundled network elements or determines that TWTC's equipment does not meet NEBS Level 1 safety requirements, TWTC will be given ten (10) Days to comply with the requirements or remove the equipment from the collocation space. If the Parties do not resolve the dispute, the Parties may file a complaint at the Commission seeking a formal resolution of the dispute. While the dispute is pending, Sprint will not prevent or otherwise delay installation of the disputed equipment in the Collocation space; however, TWTC will not activate the equipment during the pendency of the dispute.
- 93.4. TWTC must notify Sprint in writing that collocation equipment installation is complete and is operational with Sprint's network. If TWTC fails to place operational telecommunications equipment in the collocated space and connect with Sprint's network within 180 Days of TWTC's acceptance of Sprint's price quote, or other time period mutually agreed to by TWTC and Sprint, Sprint may terminate the applicable Collocation Space upon written notice. TWTC will reimburse Sprint for any actual expenses incurred and not already paid, which may include incidental equipment costs, material ordered, provided or used; labor; transportation, DS0, DS1 and DS3 cable and all other associated costs. Sprint

shall provide TWTC with a detailed listing of the costs.

#### **94. AUGMENTS AND ADDITIONS**

- 94.1. When TWTC modifies the Collocation Arrangement or adds equipment that requires no additional space preparation work on the part of Sprint, Sprint may not impose additional charges or additional intervals that would delay TWTC's operation. TWTC will notify Sprint of the modifications or additional equipment prior to installation.
- 94.2. Sprint will provide reduced intervals, not to exceed the interval for a new collocation space, to TWTC with existing physical collocation space that requests augments. In such instances, TWTC must provide an accurate front equipment view (a.k.a. rack elevation drawing) specifying bay(s) for TWTC's point of termination.
- 94.3. The reduced provisioning interval will apply only when TWTC provides a complete Application accompanied by the applicable Application Fee.
- 94.4. TWTC must submit an Application and applicable Application fee to obtain a price quote. The price quote will contain the charges and the construction interval for that application. The construction interval for augments will not exceed ninety (90) Days from BFFO. If special or major construction is required, Sprint will work cooperatively with TWTC to negotiate mutually agreeable construction intervals for augments.

#### **95. USE OF COMMON AREAS**

- 95.1. TWTC, its employees, agents and invitees shall have, on a non-discriminatory basis, a non-exclusive right to use those portions of the common area of the Building as are designated by Sprint from time to time, including, but not limited to, the right to use rest rooms in proximity to the Collocation Space, corridors and other access ways from the entrance to the Building, the Collocation Space, and the parking areas for vehicles of persons while working for or on behalf of TWTC at the Collocation Space; provided, however, that Sprint shall have the right to reserve parking spaces for Sprint's exclusive use or use by other occupants of the Building. Sprint does not guarantee that there is or will be sufficient parking spaces in parking areas to meet TWTC's needs. Sprint does not guarantee that restroom facilities or water will be available. All common areas shall remain under the exclusive control and management of Sprint, and Sprint shall have the right to change the level, location and arrangement of parking areas and other common areas, as Sprint may deem necessary. Use of all common areas shall be subject to such reasonable rules and regulations as Sprint may from time to time impose, consistent with TWTC's right to access its Collocation Space.
- 95.2. Water. Sprint, where water is available for its own use, shall furnish running water from regular Building outlets for drinking, lavatory and toilet purposes drawn through fixtures installed by Sprint, for the non-exclusive use of TWTC,

Sprint and any other building occupant. TWTC shall not waste or permit the waste of water.

- 95.3. Security Service. Sprint shall furnish Building and Premises security in accordance with its normal business practices. Other than the locks on the entrances to the Collocation Space, Sprint shall provide no security specific to TWTC's Collocation Space. Sprint shall not be liable to TWTC or any other party for loss of or damage to the Collocation Space or TWTC-owned equipment unless Sprint has failed to provide Building and Premises security in accordance with its normal business practices.
- 95.4. Elevator Service. Sprint shall furnish passenger elevator service as necessary to reach the Collocation Space or common areas to which TWTC has access pursuant to the terms of this Agreement 24 hours a day, seven days a week. Freight elevator service when used by TWTC's contractors, employees or agents shall be provided in a non-discriminatory manner as reasonably determined by Sprint.

## **96. CROSS CONNECTIONS**

- 96.1. Adjacent in this Section 96 refers to collocation arrangements in the same Premises that have a common border; and is not referring to the form of Physical Collocation as described in CFR Part 47 51.323(k)(3).
- 96.2. For the term of this Agreement, unless earlier terminated, Sprint shall furnish the following services:
  - 96.2.1. Interconnection. Sprint, consistent with Applicable Rules, shall permit TWTC to interconnect its network, via cross-connect facilities ("X-C"), with that of another adjacently collocated telecommunications carrier at the Sprint Premises. Sprint will provide such cross-connect facilities for non-adjacent locations at the expense of TWTC per TWTC's request.
- 96.3. X-C is only available when both collocation arrangements (either caged, cageless, and/or virtual) being interconnected are within the same Sprint premises, provided that the collocated equipment is used for interconnection with Sprint and/or for access to the Sprint's unbundled network elements. Sprint shall provide such X-C connections from TWTC's collocation arrangement to another collocation arrangement of TWTC within the same Sprint premises, or to a collocation arrangement of another Telecommunications Carrier in the same Sprint premises. X-C is provided at the same transmission level from TWTC to another Telecommunications Carrier.
- 96.4. Sprint will provision cross-connects in compliance with 41CFR 51.323(h).

## 97. RATES

- 97.1. The rates for collocation are listed on Part C, Table One.
- 97.2. If TWTC is the first collector in the Sprint premises, TWTC will not be responsible for the entire cost of site preparation and security. However, ancillary charges for unique collocator requests for collocation options directly attributable to the requesting collocator will not be prorated. Examples include power arrangements, remote switch module related options and POT bay-related options.
- 97.3. The rates and charges in this Agreement do not include costs for any Americans with Disability Act (ADA) construction generated or caused by the physical collocation space request. If required, ADA construction will be provided on an ICB. If Sprint is required to upgrade a Premises, or portion of the Premises to comply with the ADA which arises as a direct result of TWTC' s Collocation Arrangement, Sprint will prorate the total forward-looking economic cost of the upgrade, and allocate the charge to each TWTC collocated within the Premises, based on the total space utilized by each collocated TWTC. Should Sprint benefit in any way whatsoever from the ADA upgrades, it shall share in the proration of costs. Should Sprint be the sole beneficiary of an upgrade (e.g., an upgrade would have had to be made regardless of whether or not a TWTC was collocated in the Premises), Sprint shall absorb all of the costs related to such an upgrade.
- 97.4. Facility Modifications
- 97.4.1. To the extent that a modification is made for the specific benefit of TWTC or third party, costs of modification are to be proportionately born by those who directly benefit including Sprint. The cost is allocated using the proportion of the new space occupied to the total new space made available.
- 97.4.2. If a non-requesting Party or third parties benefits from the modification, e.g. using the opportunity to bring their equipment or arrangement into compliance with certain standards, or making adjustments leading to improvement, then the non-requesting Party and third parties will deemed to be sharing. The non-requesting Party and any third party that benefits from the modification will be responsible for its share of the modification costs.
- 97.4.3. None of the costs will be allocated to a Party or third party that gains incidental benefit, but did not cause the modification or modify their facilities.
- 97.4.4. If TWTC subsequently initiates new uses of the modified facility by other parties to avoid modification costs or if new entrants use the facility, they will share in the modification costs. The modifying party(s) may recover a proportionate share of the modification costs from TWTC that later are able to obtain access as a result of the modification. If measurable depreciation has occurred of the

modification, TWTC may pay a lower cost.

97.4.5. Parties requesting or joining in a modification also will be responsible for resulting costs to maintain the facility on an ongoing basis.

## **98. SPRINT SERVICES AND OBLIGATIONS**

98.1. Environmental Controls. Sprint shall furnish air conditioning and/or other environmental controls for the area in which the Collocation Space is located in a manner consistent with those provided elsewhere in the Building. Sprint shall furnish air conditioning and/or other environmental controls for the Collocation Space based on information provided by TWTC to Sprint in its Application which TWTC hereby represents to Sprint is sufficient to allow the TWTC-owned equipment to function without risk of harm or damage to the Collocation Space, the Building or any equipment or facilities of Sprint or any other occupant of the Building. These environmental conditions shall adhere to Telcordia Network Equipment Building System (NEBS) standards GR-63-CORE Issue 2 or other mutually agreed standards.

98.1.1. If TWTC locates equipment or facilities in the Collocation Space which Sprint determines, in the exercise of its sole discretion, affect the temperature or other environmental conditions otherwise maintained by Sprint in the Building, Sprint reserves the right to provide and install supplementary air conditioning units or other environmental control devices in the Collocation Space, and the cost of providing, installing, operating and maintaining any such supplementary air conditioning units or other environmental control devices made necessary solely by TWTC's equipment or facilities shall be paid by TWTC to Sprint. If supplementary air conditioning units or other environmental control devices are required for more than one TWTC each TWTC will pay a pro-rata share of such costs, in proportion to the space occupied by each as compared to the total space available for collocation.

98.2. Electricity. If Sprint, in the exercise of its reasonable business judgment, determines that the electricity provided to TWTC pursuant to this Section is insufficient to support the activity being carried on by TWTC in the Collocation Space, Sprint may require the installation of additional electrical circuits to provide TWTC with additional electricity and TWTC shall reimburse Sprint upon notifying and providing TWTC costs involved for any expenses incurred in making such additional electrical circuits available to TWTC's Collocation Space. TWTC shall also pay for additional electricity provided via these circuits.

98.2.1. TWTC covenants and agrees that Sprint shall not be liable or responsible to TWTC for any loss, damage or expense which TWTC may sustain or incur if either the quality or character of electrical service is changed or is no longer suitable for TWTC's requirements.

98.2.2. TWTC agrees to request in writing, via a complete and accurate



Application, all electrical needs to power its equipment. The Application shall contain the total power needs, the date needed, and the exact location where termination of the electrical power shall occur. Actual power usage of TWTC's equipment shall not exceed the requested capacity.

- 98.2.3. Central office power supplied by Sprint into TWTC equipment area shall be supplied in the form of power feeders (cables) on cable racking into the designated TWTC equipment area. The power feeders (cables) shall efficiently and economically support the requested quantity and capacity of TWTC equipment. The termination location shall be as agreed by the parties.
- 98.2.4. Sprint shall provide power as requested by TWTC to meet TWTC's need for placement of equipment, interconnection, or provision of service.
- 98.2.5. Sprint power equipment supporting TWTC's equipment shall:
  - 98.2.5.1. Comply with applicable industry standards (e.g., Telcordia, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices, and physical equipment layout or at minimum, at parity with that provided for similar Sprint equipment;
  - 98.2.5.2. Have redundant power feeds with physical diversity and battery back-up as required by the equipment manufacturer's specifications for TWTC equipment, or, at minimum, at Parity with that provided for similar Sprint equipment;
  - 98.2.5.3. Provide, upon TWTC's request and at TWTC's expense, the capability for real time access to power performance monitoring and alarm data that impacts (or potentially may impact) TWTC traffic;
  - 98.2.5.4. Provide central office ground, connected to a ground electrode located within the Collocated Space, at a level above the top of TWTC equipment plus or minus 2 feet to the left or right of TWTC's final request; and
  - 98.2.5.5. Provide feeder cable capacity and quantity to support the ultimate equipment layout for TWTC's equipment in accordance with TWTC's collocation request.
- 98.2.6. Sprint shall provide cabling that adheres to Telcordia Network Equipment Building System (NEBS) standards GR-63-CORE Issue 2;
- 98.2.7. Sprint shall provide Lock Out-Tag Out and other electrical safety procedures and devices in conformance with the most stringent of OSHA or industry guidelines.

- 98.2.8. Sprint will provide TWTC with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the collocated facility that will or might cause an outage or any type of power disruption to TWTC equipment located in Sprint facility. Sprint shall provide TWTC immediate notification by telephone of any emergency power activity that would impact TWTC's equipment.
- 98.3. Fire Safety System. Subject to the provisions of Section 6.6.3 hereof, Sprint may furnish an existing Halon 1301 Fire Suppression System, or may, but is not obligated to, provide its equivalent, to provide fire protection in the Collocation Space designed to comply with the National Fire Protection Association ("NFPA") 12A Standard on Halon 1301 Fire Extinguishing Systems or with NFPA standard 2001 dealing with alternative fire suppression agents. Sprint shall furnish fire and smoke detection systems designed to comply with the NFPA 72E Standard on Automatic Fire Detectors in effect as of the collocation date.
- 98.3.1. Stand alone fire extinguishers will be provided in and about the Building and the Collocation Space by Sprint as required by applicable fire codes.
- 98.3.2. Sprint and Sprint's insurance carriers will perform regular inspections of fire protection systems, and TWTC hereby agrees to provide Sprint and Sprint's insurance carriers access to the Collocation Space for purposes of such inspections, via pass key or otherwise. Sprint agrees to provide TWTC with notice of its intent to access TWTC's Collocation Space where, in Sprint's sole discretion, such notice is practicable; provided, however, that no failure of Sprint to give such notice will affect Sprint's right of access or impose any liability on Sprint. Sprint will, at its expense, maintain and repair the fire and smoke detection systems unless maintenance or repair is required due to the act or omission of TWTC, its employees, agents or invitees, in which case TWTC shall reimburse Sprint for the cost of such repair or replacement. If a Halon or alternative fire suppression system is in place, TWTC shall, if at fault, and at Sprint's option, replace Halon or other fire extinguishing material discharged as a result of TWTC's act or omission. TWTC shall have no duty to inspect fire protection systems outside the Collocation Space; provided, however, if TWTC is aware of damage to the fire protection systems it shall promptly notify Sprint.
- 98.3.3. TWTC is aware the Collocation Space will contain a fire detection system and may contain a fire suppression system. In the event of discharge, Sprint is relieved of all liability for damage to equipment or personal injury except in cases where such damage to equipment or personal injury is due to the gross negligence or willful misconduct of Sprint, its officers, agents or employees.
- 98.4. Repairs. Sprint shall, at its sole expense, except as hereinafter provided, provide repair and maintenance of heating, cooling and lighting equipment and regularly

scheduled refurbishment or decorating to the Collocation Space, Building and Premises, in a manner consistent with Sprint's normal business practices.

- 98.4.1. Sprint shall not be obligated to inspect the Collocation Space, make any repairs or perform any maintenance unless first notified of the need in writing by TWTC. If Sprint shall fail to commence such repairs or maintenance within twenty (20) Days after written notification, provided that such delays are not caused by TWTC, TWTC's sole right and remedy shall be, after further notice to Sprint, to make such repairs or perform such maintenance and to deduct that cost and expenses from the physical collocation fees payable; provided, however, that the amount of such deduction shall not exceed the reasonable value of such repairs or maintenance. Notwithstanding the foregoing, service affecting repairs will be performed on an expedited basis.
- 98.4.2. Sprint shall, where practical, provide TWTC with 24 hours prior notice before making repairs and/or performing maintenance on the Collocation Space; provided, however, that Sprint shall have no obligation to provide such notice if Sprint determines, in the exercise of its sole discretion, that such repair or maintenance must be done sooner in order to preserve the safety of the Building or the Collocation Space, or if required to do so by any court or governmental authority. Work shall be completed during normal working hours or at other times identified by Sprint; provided, however, that TWTC shall pay Sprint for overtime and for any other expenses incurred if such work is done during other than normal working hours at TWTC's request. TWTC shall have the right, at its sole expense, to be present during repair or maintenance of the Collocation Space.
- 98.4.3. The actual, documented cost of all repairs and maintenance performed by or on behalf of Sprint to the Collocation Space which are, in Sprint's reasonable judgment, beyond normal repair and maintenance, or are made necessary as a result of misuse or neglect by TWTC or TWTC's employees, invitees or agents, shall be paid by TWTC to Sprint within ten (10) Days after being billed for such repairs and maintenance by Sprint.
- 98.5. Sprint shall provide TWTC with notice via email three (3) Business Days prior to those instances where Sprint or its subcontractors perform work which is known to be a service affecting activity. Sprint will inform TWTC by e-mail of any unplanned service outages. Notification of any unplanned service outages shall be made as soon as practicable after Sprint learns that such outage has occurred.
- 98.6. **Interruption of Services.** Sprint reserves the right to stop any service when Sprint deems such stoppage necessary by reason of accident or emergency, or for repairs, improvements or otherwise; however, Sprint agrees to use its best efforts not to interfere with TWTC's use of Collocation Space. Sprint does not warrant that any service will be free from interruptions caused by labor controversies,

accidents, inability to obtain fuel, water or supplies, governmental regulations, or other causes beyond the reasonable control of Sprint.

- 98.6.1. No such interruption of service shall be deemed an eviction or disturbance of TWTC's use of the Collocation Space or any part thereof, or render Sprint liable to TWTC for damages, by abatement of TWTC Fees or otherwise, except as set forth in the Tariff, or relieve TWTC from performance of its obligations under this Agreement. Consistent with Section 10.1, TWTC hereby waives and releases all other claims against Sprint for damages for interruption or stoppage of service.
- 98.7. Access. For physical collocation, subject to reasonable building rules and any applicable Security Arrangements, TWTC shall have the right of entry twenty-four (24) hours per day seven (7) days a week to the Building, common areas, Collocation Space and common cable space.
  - 98.7.1. Sprint, at TWTC's expense, may issue non-employee photo identification cards for each TWTC employee or vendor. Temporary identification cards may otherwise be provided by Sprint for employees or agents, contractors and invitees of TWTC who may require occasional access to the Collocation Space.
  - 98.7.2. Sprint may issue access cards, codes, or keys to TWTC's listed employees or vendors where such systems are available and their use by TWTC will not otherwise compromise building security.
  - 98.7.3. Sprint reserves the right to close and keep locked all entrance and exit doors of the Premises during hours Sprint may deem advisable for the adequate protection of the Premises. Use of the Premises at any time it is unattended by appropriate Sprint personnel, or on Sundays and state and federal or other holidays recognized by Sprint, or, if TWTC's Collocation Space is not fully segregated from areas of the Premises containing Sprint equipment, shall be subject to such reasonable rules and regulations as Sprint may from time to time prescribe for its own employees and third party contractors.
  - 98.7.4. To require all persons entering or leaving the Premises during such hours as Sprint may from time to time reasonably determine to identify themselves to a watchman by registration or otherwise and to establish their right to leave or enter, and to exclude or expel any solicitor or person at any time from the Collocation Space or the Premises. Sprint assumes no responsibility and shall not be liable for any damage resulting from the admission or refusal to admit any unauthorized person or from the admission of any authorized person to the Premises, provided that such damage is not the result of gross negligence or willful misconduct on the part of Sprint.
- 98.8. Access Right of Sprint. Sprint shall have access to TWTC's Physical Collocation Space at all times, via pass key or otherwise, to allow Sprint to react to

emergencies, to maintain the space (not including TWTC's equipment), and to monitor compliance with the rules and regulations of the Occupational Health and Safety Administration or Sprint, or other regulations and standards including but not limited to those related to fire, safety, health, and environmental safeguards. If a secure enclosure defining the location of TWTC's Collocation Space has been established, and if conditions permit, Sprint will provide TWTC with three (3) Days notice (except in emergencies in which case, notice will be provided as soon as practicable) of its intent to access the Collocation Space, thereby providing TWTC the option to be present at the time of access. TWTC shall not attach, or permit to be attached, additional locks or similar devices to any door or window, nor change existing locks or the mechanism thereof.

98.8.1. To enter the Collocation Space for the purposes of examining or inspecting same and of making such repairs or alterations as Sprint deems necessary. TWTC hereby waives any claim for damage, injury, interference with TWTC's business, any loss of occupancy or quiet enjoyment of the Collocation Space, and any other loss occasioned by the exercise of Sprint's access rights, except in the event such damages result solely from the gross negligence or willful misconduct of Sprint.

98.8.2. To use any means Sprint may deem proper to open Collocation Space doors or enclosures in an emergency. Entry into the Collocation Space obtained by Sprint by any such reasonable means shall not be deemed to be forcible or unlawful entry into or a detainment of or an eviction of TWTC from the Collocation Space or any portion thereof.

## **99. TWTC'S OBLIGATIONS**

99.1. Inspection and Janitorial. TWTC shall regularly inspect the Collocation Space to ensure that the Collocation Space is in good condition. TWTC shall promptly notify Sprint of any damage to the Collocation Space or of the need to perform any repair or maintenance of the Collocation Space, fixtures and appurtenances (including hardware, heating, cooling, ventilating, electrical and other mechanical facilities in the Collocation Space). TWTC shall provide regular janitorial service to its Collocation Space and keep the Collocation Space clean and trash free.

99.2. Security Arrangements. TWTC agrees to abide by all of Sprint's security practices for non-Sprint employees with access to the Building, including, without limitation:

99.2.1. TWTC will supply to Sprint, and update as changes occur, a list of its employees or approved vendors who require access to the Premises. The list will include the social security numbers of all such individuals. Sprint may reasonably object to any person on the list, in which case that person will be denied entry into the building. Sprint's objections will be consistent with the grounds for denying access to personnel of its own contractors or for denying employment directly with Sprint.

- 99.2.2. TWTC is responsible for returning identification and access cards, codes, or keys of its terminated employees or its employees who no longer require access to the Collocation Space. All cards, codes, or keys must be returned upon termination of the applicable Collocation Space. TWTC will reimburse Sprint actual costs due to unreturned or replacement cards, codes, or keys.
- 99.2.3. TWTC's employees, agents, invitees and vendors must display identification cards at all times.
- 99.2.4. TWTC will assist Sprint in validation and verification of identification of its employees, agents, invitees and vendors by providing a telephone contact available 24 hours a day, seven days a week to verify identification.
- 99.2.5. Removal of all furniture, equipment or similar articles will be based on local Sprint security practices. These security practices will not be more stringent for TWTC than Sprint requires for its own employees or Sprint's contractors.
- 99.2.6. Before leaving the Collocation Space unattended, TWTC shall close and securely lock all doors and windows and shut off unnecessary equipment in the Collocation Space. Any injury to persons or damage to the property of Sprint or any other party with equipment in the Building resulting from TWTC's failure to do so shall be the responsibility of TWTC. TWTC will defend and indemnify Sprint from and against any claim by any person or entity resulting in whole or in part from TWTC's failure to comply with this section.
- 99.2.7. TWTC agrees that Sprint may provide a security escort for physical collocation, at no cost or undue delay to TWTC, to TWTC personnel while on Sprint Premises. While such escort shall not be a requirement to TWTC's entry into the Building, TWTC must allow the security escort to accompany TWTC personal at all times and in all areas of the Building, including the Collocation Space, if so requested.
- 99.2.8. TWTC shall post in a prominent location visible from the common Building area, the names and telephone numbers of emergency contact personnel along with names and telephone numbers of their superiors for 24 hour emergency use by Sprint. TWTC shall promptly update this information as changes occur.
- 99.3. Electricity. TWTC will provide Sprint with written notification within ten (10) Business Days of any scheduled AC or DC power work or related activity in the collocated facility that will or might cause an outage or any type of power disruption to Sprint equipment located in TWTC facility. TWTC shall provide Sprint immediate notification by telephone of any emergency power activity that would impact Sprint equipment.

- 99.4. Uninterruptible Power Supply (UPS). TWTC shall not provision and/or install UPS systems within the Sprint premises. The customer is permitted to install Inverted Power Systems if and only if documented compliance with National Equipment Building Standards (NEBS) III and Listing by Underwriters Laboratory (UL) has been met.
- 99.5. Electro-Chemical Stationary Batteries. TWTC shall not place Electro-Chemical Storage Batteries of any type inside the collocation space.
- 99.6. Interruption of Services. TWTC shall provide Sprint with written notice three (3) Business Days prior to those instances where TWTC or its subcontractors perform work, which is to be a known service affecting activity. TWTC will inform Sprint by e-mail of any unplanned service outages. The parties will then agree upon a plan to manage the outage so as to minimize customer interruption. Notification of any unplanned service outage shall be made as soon as practicable after TWTC learns that such outage has occurred so that Sprint can take any action required to monitor or protect its service.
- 99.7. Telephone. TWTC may, at its own expense, install and maintain regular business telephone service in the Collocation Space. If requested by TWTC and at TWTC's expense, Sprint will provide basic telephone service with a connection jack in the Collocation Space.
- 99.8. Fire Protection Systems. TWTC shall, with the prior written consent of Sprint, have the right to provide additional fire protection systems within the Collocation Space; provided, however, that TWTC may not install or use sprinklers or carbon dioxide fire suppression systems within the Building or the Collocation Space.
- 99.8.1. If any governmental bureau, department or organization or Sprint's insurance carrier requires that changes or modifications be made to the fire protection system or that additional stand alone fire extinguishing, detection or protection devices be supplied within that portion of the Building in which the Collocation Space of CLECs in general are located, such changes, modifications, or additions shall be made by Sprint and TWTC shall reimburse Sprint for the cost thereof in the same proportion as the size of TWTC's Collocation Space as compared to the total available collocation space in the affected portion of the Building.
- 99.9. Hazardous Materials. The Parties shall identify and shall notify the other Party in writing of any Hazardous Materials the notifying Party may bring onto the Premises, and will provide the other Party copies of any inventories or other data provided to State Emergency Response Commissions ("SERCs"), Local Emergency Planning Committees ("LEPCs"), or any other governmental agencies if required by the Emergency Planning and Community Right to Know Act (41 U.S.C. 11001, *et seq.*). The Parties, their agents and employees shall transport, store and dispose of Hazardous Materials in accordance with all applicable federal, state or local laws, ordinances, rules and regulations. Each Party will promptly notify the other Party of any releases of Hazardous Materials and will copy it on any notification of or correspondence with any governmental agency

which may be required by any environmental law as a result of such release.

- 99.9.1. The Parties shall provide each other copies of all Material Safety Data Sheets ("MSDSs") for materials or chemicals regulated under the OSHA Hazard Communication Standard (29 C.F.R. 1910.1200) that are brought onto the property. All such materials shall be labeled in accordance with 29 C.F.R. 1910.1200 and applicable state regulations if such regulations are more stringent.
- 99.9.2. If Sprint discovers that TWTC has brought onto Sprint's Premises Hazardous Materials without notification, or is storing or disposing of such materials in violation of any applicable environmental law and such storage or disposal has not been remedied after five (5) Days written notice from Sprint to TWTC, Sprint may, at Sprint's option and without penalty, terminate the applicable Collocation Space or, in the case of pervasive violation, this Agreement or suspend performance hereunder. TWTC shall be responsible for, without cost to Sprint, the complete remediation of any releases or other conditions caused by its storage, use or disposal of Hazardous Materials. TWTC shall also be responsible for removing and disposing of all Hazardous Materials on its Collocation Space at the termination of the applicable Collocation Space or this Agreement. If Sprint elects to terminate the applicable Collocation Space or this Agreement or discontinue the performance of services hereunder due to the storage, use or disposal of Hazardous Materials contrary to the terms of this Agreement, TWTC shall have no recourse against Sprint and shall be responsible for all costs and expenses associated with such termination or suspension of service in addition to being responsible for any remedies available to Sprint for defaults under this Agreement.
- 99.9.3. If TWTC discovers that Sprint has brought onto Sprint's Premises Hazardous Materials without notification, or is storing or disposing of such materials in violation of any applicable environmental law, TWTC may, at TWTC's option and without penalty, terminate the applicable Collocation Space or, in the case of pervasive violation, this Agreement or suspend performance hereunder. Sprint shall be responsible for, without cost to TWTC, the complete remediation of any releases or other conditions caused by its storage, use or disposal of Hazardous Materials. Sprint shall also be responsible for removing and disposing of all Hazardous Materials on its Collocation Space at the termination of the applicable Collocation Space or this Agreement. If TWTC elects to terminate the applicable Collocation Space or this Agreement or discontinue the performance of services hereunder due to the storage, use or disposal of Hazardous Materials contrary to the terms of this Agreement, Sprint shall have no recourse against TWTC and shall be responsible for all costs and expenses associated with such termination or suspension of service in addition to being responsible for any remedies available to TWTC for defaults under this Agreement.



- 99.9.4. TWTC shall indemnify and hold harmless Sprint, its successors and assigns against, and in respect of, any and all damages, claims, losses, liabilities and expenses, including, without limitation, all legal, accounting, consulting, engineering and other expenses, which may be imposed upon, or incurred by, Sprint or asserted against Sprint by any other party or parties (including, without limitation, Sprint's employees and/or contractors and any governmental entity) arising out of, or in connection with, TWTC's use, storage or disposal of Hazardous Materials.
- 99.9.5. Sprint shall indemnify and hold harmless TWTC, its successors and assigns against, and in respect of, any and all damages, claims, losses, liabilities and expenses, including, without limitation, all legal, accounting, consulting, engineering and other expenses, which may be imposed upon, or incurred by, TWTC or asserted against TWTC by any other party or parties (including, without limitation, TWTC's employees and/or contractors and any governmental entity) arising out of, or in connection with, Sprint's use, storage or disposal of Hazardous Materials.
- 99.9.6. For purposes of this Section, "Hazardous Materials" shall mean any toxic substances and/or hazardous materials or hazardous wastes (including, without limitation, asbestos) as defined in, or pursuant to, the OSHA Hazard Communication Standard (29 CFR Part 1910, Subpart Z), the Resource Conservation and Recovery Act of 1976 (42 U.S.C. Section 6901, et seq.), or regulations adopted pursuant to those statutes, the Toxic Substances Control Act (15 U.S.C. Section 2601, et seq.), the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. Section 9601, et seq.) or any other federal, state or local environmental law, ordinance, rule or regulation. The provisions of this Section shall survive the termination, cancellation, modification or recession of this Agreement.
- 99.10. Various Prohibited Uses. TWTC shall not do or permit anything to be done upon the Collocation Space, or bring or keep anything thereon which is in violation of any federal, state or local laws or regulations (including environmental laws or regulations not previously described), or any rules, regulations or requirements of the local fire department, Fire Insurance Rating Organization, or any other similar authority having jurisdiction over the Building. TWTC shall not do or permit anything to be done upon the Collocation Space which may in any way create a nuisance, disturb, endanger, or otherwise interfere with the Telecommunications Services of Sprint, any other occupant of the Building, their patrons or customers, or the occupants of neighboring property, or injure the reputation of the Premises.
- 99.10.1. TWTC shall not exceed the Uniformly Distributed Live Load Capacity. Sprint shall evaluate and determine Live Load Capacity rating on a site specific basis prior to equipment installation. TWTC agrees to provide an augment application with equipment profile information prior to

installation authorization.

- 99.10.2. TWTC shall not paint, display, inscribe or affix any sign, trademark, picture, advertising, notice, lettering or direction on any part of the inside of the Building, or on the Collocation Space, without the prior written consent of Sprint, which consent shall not unreasonably withheld, conditioned or delayed.
- 99.10.3. TWTC shall not paint, display, inscribe or affix any sign, trademark, picture, advertising, notice, lettering or direction on any part of the outside of the Building without the prior written consent of Sprint.
- 99.10.4. TWTC shall not use the name of the Building or Sprint for any purpose other than that of the business address of TWTC, or use any picture or likeness of the Building on any letterhead, envelope, circular, notice, or advertisement, without the prior written consent of Sprint which consent shall not unreasonably withheld, conditioned or delayed.
- 99.10.5. TWTC shall not exhibit, sell or offer for sale, rent or exchange in the Collocation Space or on the Premises any article, thing or service except those ordinarily embraced within the use of the Collocation Space specified in Sections 3 and 11 of this Agreement without the prior written consent of Sprint.
- 99.10.6. TWTC shall not place anything or allow anything to be placed near the glass of any door, partition or window which Sprint determines is unsightly from outside the Collocation Space; take or permit to be taken in or out of other entrances of the Building, or take or permit to be taken on any passenger elevators, any item normally taken through service entrances or elevators; or whether temporarily, accidentally, or otherwise, allow anything to remain in, place or store anything in, or obstruct in any way, any passageway, exit, stairway, elevator, or shipping platform. TWTC shall lend its full cooperation to keep such areas free from all obstruction and in a clean and neat condition, move all supplies, furniture and equipment directly to the Collocation Space as soon as received, and move all such items and waste, other than waste customarily removed by employees of the Building.
- 99.10.7. TWTC shall not, without the prior written consent of Sprint: install or operate any lead-acid batteries, refrigerating, heating or air conditioning apparatus or carry on any mechanical business in the Collocation Space. Sprint may, in its sole discretion, withhold such consent, or impose any condition in granting it, and revoke its consent at will.
- 99.10.8. TWTC shall not use the Collocation Space for housing, lodging or sleeping purposes.

- 99.10.9. TWTC shall not permit preparation or warming of food, presence of cooking or vending equipment, sale of food or smoking in the Collocation Space.
- 99.10.10. TWTC shall not permit the use of any fermented, intoxicating or alcoholic liquors or substances in the Collocation Space or permit the presence of any animals except those used by the visually impaired.
- 99.11. Rules of Conduct. TWTC, its employees, agents, contractors, and business invitees shall:
- 99.11.1. comply with all rules and regulations which Sprint may from time to time adopt and publish for the safety, environmental protection, care, cleanliness and/or preservation of the good order of the Building, the Premises and the Collocation Space and its tenants and occupants, and
- 99.11.2. comply, at its own expense, with all ordinances which are applicable to the Collocation Space and with all lawful orders and requirements of any regulatory or law enforcement agency requiring the correction, prevention and abatement of nuisances in or upon the Collocation Space during the Term of this Agreement or any extension hereof.
- 99.12. Alterations. TWTC shall not make installations, alterations or additions in or to the Collocation Space without submitting plans and specifications to Sprint and securing the prior written consent of Sprint in each instance. Sprint's consent shall not be unreasonably conditioned, withheld or unduly delayed for non-structural interior alteration to the Collocation Space that do not adversely affect the Building's appearance, value, structural strength and mechanical integrity. Such work shall be done at the sole expense of TWTC.
- 99.12.1. All installations, alterations and additions shall be constructed in a good and workmanlike manner and only new and good grades of material shall be used, and shall comply with all insurance requirements, governmental requirements, and terms of this Agreement. Work shall be performed at such times and in such manner as to cause a minimum of interference with Sprint's transaction of business. TWTC shall permit Sprint to inspect all construction operations within the Collocation Space.
- 99.12.2. All installations, alterations and additions which take the form of fixtures, except trade fixtures, placed in the Collocation Space by and at the expense of TWTC or others shall become the property of Sprint, and shall remain upon and be surrendered with the Collocation Space. Upon termination of this Agreement, however, Sprint shall have the right to require TWTC to remove such fixtures and installations, alterations or additions at TWTC's expense, and to surrender the Collocation Space in the same condition as it was prior to the making of any or all such improvements, reasonable wear and tear excepted.

- 99.12.3. All fixtures and other equipment to be used by TWTC in, about or upon the Collocation Space shall be subject to the prior written approval of Sprint, which shall not be unreasonably withheld.
- 99.13. Fireproofing Policy. TWTC shall not cut or drill into, drive nails or screws into, install conduit or wires, or in any way deface any part of the Collocation Space or the Building, outside or inside, without the prior written consent of Sprint, which consent shall not be unreasonably withheld, conditioned or delayed. If TWTC desires signal, communications, alarm or other utility or service connections installed or changed, the same shall be made by and at the expense of TWTC. Sprint shall have the right of prior approval of such utility or service connections, which consent shall not be unreasonably withheld, conditioned or delayed, and shall direct where and how all connections and wiring for such service shall be introduced and run. In all cases, in order to maintain the integrity of the Halon space for proper Halon concentration, and to ensure compliance with Sprint's fireproofing policy, any penetrations by TWTC, whether in the Collocation Space, the Building or otherwise, shall be sealed as quickly as possible by TWTC with Sprint-approved fire barrier sealants, or by Sprint at TWTC's cost.
- 99.14. Equipment Grounding. TWTC-owned equipment shall be connected to Sprint's grounding system.
- 99.15. Representations and Warranties. TWTC hereby represents and warrants that the information provided to Sprint in any Application or other documentation relative to TWTC's request for telecommunications facility interconnection and Central Office Building collocation as contemplated in this Agreement is and shall be true and correct, and that TWTC has all necessary corporate and regulatory authority to conduct business as a telecommunications carrier. Any violation of this Section shall be deemed a material breach of this Agreement.

## **100. BUILDING RIGHTS**

- 100.1. Sprint may, without notice to TWTC:
- 100.1.1. Install and maintain signs on the exterior and interior of the Premises or anywhere on the Premises;
  - 100.1.2. Designate all sources furnishing sign painting and lettering, ice, mineral or drinking water, beverages, foods, towels, vending machines or toilet supplies used or consumed in the Collocation Space;
  - 100.1.3. Have pass keys or access cards with which to unlock all doors in the Collocation Space, excluding TWTC's safes;
  - 100.1.4. Reduce heat, light, water and power as required by any mandatory or voluntary conservation programs;
  - 100.1.5. Approve the weight, size and location of safes, computers and all other heavy articles in and about the Collocation Space and the Building, and to require all such items and other office furniture and equipment

to be moved in and out of the Building or Collocation Space only at such times and in such a manner as Sprint shall direct and in all events at TWTC's sole risk and responsibility;

- 100.1.6. At any time, to decorate and to make, at its own expense, repairs, alterations, additions and improvements, structural or otherwise, in or to the Collocation Space, the Premises, or any part thereof (including, without limitation, the permanent or temporary relocation of any existing facilities such as parking lots or spaces), and to perform any acts related to the safety, protection or preservation thereof, and during such operations to take into and through the Collocation Space or any part of the Premises all material and equipment required, and to close or suspend temporarily operation of entrances, doors, corridors, elevators or other facilities, provided that Sprint shall limit inconvenience or annoyance to TWTC as reasonably possible under the circumstances;
  - 100.1.7. Do or permit to be done any work in or about the Collocation Space or the Premises or any adjacent or nearby building, land, street or alley;
  - 100.1.8. Grant to anyone the exclusive right to conduct any business or render any service on the Premises, provided such exclusive right shall not operate to exclude TWTC from the use expressly permitted by this Agreement, unless Sprint exercises its right to terminate this Agreement with respect to all or a portion of the Collocation Space;
  - 100.1.9. Close the Building at such reasonable times as Sprint may determine, under such reasonable regulations as shall be prescribed from time to time by Sprint subject to TWTC's right to access.
- 100.2. Sprint will provide sixty (60) Days notice if the owner of the Building or Sprint sells, transfers or assigns any interest in the Building, or there is any material change in the Lease to which the Building is subject, and such sale, transfers assignment or material change in the Lease gives rise to an obligation which is inconsistent with this Agreement, Sprint's performance under this Agreement shall be excused to the extent of the inconsistency. Sprint hereby agrees that it will use its reasonable efforts to avoid any such inconsistency; provided, however, that this obligation shall in no way obligate Sprint to incur any out of pocket expenses in its efforts to avoid such inconsistencies.
- 100.3. This Agreement shall at all times be subject and subordinate to the lien of any mortgage (which term shall include all security instruments) that may be placed on the Collocation Space and TWTC agrees, upon demand, to execute any instrument as may be required to effectuate such subordination.

## **101. INSURANCE**

- 101.1. During the term of this Agreement, TWTC shall carry, and shall cause any subcontractors to carry, with financially reputable insurers which are licensed to

do business in all jurisdictions where any Property is located, not less than the following insurance:

- 101.1.1. Commercial General Liability with limits of not less than \$1,000,000 combined single limit per occurrence and aggregate for bodily injury, property damage and personal and advertising injury liability insurance to include coverage for contractual and products/completed operations liability, naming Sprint as additional insured;
  - 101.1.2. Business Auto liability, including all owned, non-owned and hired automobiles, in an amount of not less than \$1,000,000 combined single limit per accident for bodily injury and property damage liability, naming Sprint as additional insured;
  - 101.1.3. Workers Compensation as provided for in the jurisdiction where the Property is located, with an Employer's Liability limit of not less than \$500,000 per accident or disease; and
  - 101.1.4. Umbrella or excess liability in an amount not less than \$5,000,000 per occurrence and aggregate in excess of the above-referenced Commercial General, Business Auto and Employer's Liability, naming Sprint as additional insured; and
  - 101.1.5. "All Risk" property insurance on a full replacement cost basis insuring TWTC's property, except for fiber, situated on or within the Property. TWTC may elect to insure business interruption and contingent business interruption, as it is agreed that Sprint has no liability for loss of profit or revenues should an interruption of service occur.
- 101.2. Nothing contained in this section shall limit TWTC's liability to Sprint to the limits of insurance certified or carried.
  - 101.3. All policies required of TWTC shall contain evidence of the insurer's waiver of the right of subrogation against Sprint for any insured loss covered thereunder. Except in those instances where Sprint is responsible, all TWTC policies of insurance shall be written as primary policies and not contributing with or in excess of the coverage, if any, that Sprint may carry.
  - 101.4. TWTC shall furnish to Sprint an industry-acceptable certificate or certificates of insurance, evidencing that the above coverage is in force and has been endorsed to guarantee that the coverage will not be cancelled or materially altered without first giving at least thirty (30) Days prior written notice to Sprint.
  - 101.5. Sprint will carry not less than the insurance coverages and limits required of TWTC.

## **102. INDEMNIFICATION**

- 102.1. TWTC shall indemnify and hold Sprint harmless from any and all claims arising from:

- 102.1.1. TWTC's use of the Collocation Space;
  - 102.1.2. the conduct of TWTC's business or from any activity, work or things done, permitted or suffered by TWTC in or about the Collocation Space or elsewhere;
  - 102.1.3. any and all claims arising from any breach or default in the performance of any obligation on TWTC's part to be performed under the terms of this Agreement; and
  - 102.1.4. any negligence of TWTC, or any of TWTC's agents, and fees, expenses and liabilities incurred in the defense of any such claim or any action or proceeding brought thereon.
- 102.2. If any action or proceeding is brought against Sprint by reason of any such claim, TWTC, upon prompt notice from Sprint, shall defend same at TWTC's expense, and Sprint shall provide all reasonable cooperation necessary in TWTC's efforts to so defend. TWTC, as a material part of the consideration to Sprint, hereby assumes all risk of damage to property or injury to persons in, upon or about the Collocation Space arising from any cause other than the sole negligence of Sprint, except that caused by Sprint's gross negligence or willful misconduct, and TWTC hereby waives all claims in respect thereof against Sprint.
- 102.3. TWTC shall at all times indemnify, defend, save and hold harmless Sprint from any claims, liens, demands, charges, encumbrances, litigation and judgments arising directly or indirectly out of any use, occupancy or activity of TWTC, or out of any work performed, material furnished, or obligations incurred by TWTC in, upon or otherwise in connection with the Collocation Space. TWTC shall give Sprint written notice at least ten (10) Business Days prior to the commencement of any such work on the Collocation Space in order to afford Sprint the opportunity of filing appropriate notices of non-responsibility. However, failure by Sprint to give notice does not reduce TWTC's liability under this section.
- 102.3.1. If any claim or lien is filed against the Collocation Space, or any action or proceeding is instituted affecting the title to the Collocation Space, TWTC shall give Sprint written notice thereof as soon as TWTC obtains such knowledge.
  - 102.3.2. TWTC shall, at its expense, within sixty (60) Days after filing of any lien of record as a result of work performed or material furnished on behalf of TWTC, obtain the discharge and release thereof or post a bond in an amount sufficient to accomplish such discharge and release. Nothing contained herein shall prevent Sprint, at the cost and for the account of TWTC, from obtaining such discharge and release if TWTC fails or refuses to do the same within the Sixty (60) Day period.
  - 102.3.3. Notwithstanding TWTC's obligation to discharge and release the lien in Section 102.2.2, TWTC may, at TWTC's expense, contest any mechanic's lien in any manner permitted by law.

### **103. LIMITATION OF LIABILITY**

- 103.1. SPRINT SHALL BE LIABLE FOR DAMAGE TO OR DESTRUCTION OF TWTC'S EQUIPMENT AND OTHER PREMISES ONLY IF SUCH DAMAGE OR DESTRUCTION IS CAUSED BY SPRINT'S GROSS NEGLIGENCE OR WILLFUL MISCONDUCT.
- 103.2. SPRINT WILL NOT BE LIABLE FOR (A) ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, (B) ANY COMMERCIAL LOSS OF ANY KIND (INCLUDING, BUT NOT LIMITED TO, LOSS OF BUSINESS OR PROFITS), OR (C) ANY LOSS, DAMAGE OR EXPENSE DIRECTLY OR INDIRECTLY ARISING FROM USE OF OR INABILITY TO USE THE COLLOCATION SPACE EITHER SEPARATELY OR IN COMBINATION WITH OTHER EQUIPMENT OR SOFTWARE, BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT OR ANY OTHER LEGAL THEORY, WHETHER OR NOT SPRINT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE OR LOSS.

### **104. PARTIAL DESTRUCTION**

- 104.1. If the Collocation Space or a portion thereof sufficient to make the Collocation Space substantially unusable shall be destroyed or rendered unoccupiable by fire or other casualty, either Party, at its option, may choose to terminate the Collocation Space without any further liability therefore under the terms of this paragraph. Sprint may choose not to restore the Collocation Space to its previous condition, and terminate Collocation Space upon notice to TWTC within ninety (90) Days after the occurrence of such casualty. TWTC may terminate the Collocation Space upon notice to Sprint within thirty (30) Days after the occurrence of such casualty. If TWTC chooses not to terminate, and Sprint elects to restore the Collocation Space to its previous condition, the charges hereunder shall abate until Sprint shall complete all repairs to the damage to the Collocation Space caused by such casualty, unless such casualty was caused by TWTC's acts or omissions.
- 104.2. Notwithstanding any other provision of this Agreement to the contrary, if any casualty is the result of any act, omission or negligence of TWTC, its agents, employees, contractors, TWTC's, customers or business invitees, unless Sprint otherwise elects, TWTC's rights to the applicable Collocation Space shall not terminate, and, if Sprint elects to make such repairs, TWTC shall reimburse Sprint for the cost of such repairs, or TWTC shall repair such damage, including damage to the Building and the area surrounding it, and the charges shall not abate.
- 104.3. If the Building shall be damaged by fire or other casualty to the extent that portions are rendered unoccupiable, notwithstanding that the Collocation Space may be directly unaffected, Sprint may, at its election within ninety (90) Days of such casualty, terminate TWTC's rights to the applicable Collocation Space by giving written notice of its intent to terminate TWTC's rights to the applicable Collocation Space. The termination as provided in this paragraph shall be



effective thirty (30) Days after the date of the notice.

#### **105. EMINENT DOMAIN**

105.1. If the Premises, or any portion thereof which includes a substantial part of the Collocation Space, shall be taken or condemned by any competent authority for any public use or purpose, TWTC's rights to the applicable Collocation Space shall end upon, and not before, the date when the possession of the part so taken shall be required for such use or purpose. If any condemnation proceeding shall be instituted in which it is sought to take or damage any part of the Premises, or if the grade of any street or alley adjacent to the Premises is changed by any competent authority and such change of grade makes it necessary or desirable to remodel the Premises to conform to the changed grade, either Party shall have the right to terminate all rights and obligations to the applicable Collocation Space upon not less than thirty (30) Days notice prior to the date of cancellation designated in the notice. No money or other consideration shall be payable by Sprint to TWTC for such cancellation, except that Sprint shall refund to TWTC any prepaid MRCs on a pro-rata basis, and TWTC shall have no right to share in the condemnation award or in any judgment for damages caused by such eminent domain proceedings.

#### **106. BANKRUPTCY**

106.1. If any voluntary or involuntary petition, when an involuntary petition in bankruptcy is filed and not dismissed within thirty (30) Days, or similar pleading under any section or sections of any bankruptcy act shall be filed by or against TWTC, or any voluntary or involuntary proceeding in any court or tribunal shall be instituted to declare TWTC insolvent or unable to pay TWTC's debts, or TWTC makes an assignment for the benefit of its creditors, or a trustee or receiver is appointed for TWTC or for the major part of TWTC's property, Sprint may, if Sprint so elects but not otherwise, and with or without notice of such election or other action by Sprint, forthwith terminate this Agreement.

#### **107. ASBESTOS**

107.1. TWTC is aware the Premises in which the Collocation Space is located may contain or have contained asbestos or asbestos containing building materials, and TWTC is hereby notified that the Premises in which the Collocation Space is located may contain asbestos or asbestos containing building material (ACBM). TWTC agrees that it is responsible for contacting the appropriate Sprint manager responsible for the Premises to determine the presence, location and quantity of asbestos or ACBM that TWTC's employees, agents, or contractor's may reasonably expect to encounter while performing activities in the Premises. TWTC shall not have responsibility or liability for any damages, expenses, costs, fees, penalties of any kind arising out of, or in connection with, or resulting from the disturbance of asbestos or ACBM in the Premises unless such disturbance directly arises out of or in connection with, or results from TWTC's use of the

Collocation Space or placement of equipment onto ACBM or into areas containing asbestos identified by Sprint. Sprint agrees to provide TWTC reasonable written notice prior to undertaking any asbestos control, abatement, or other activities which may disturb asbestos or ACBM that could potentially affect TWTC's equipment or operations in the Collocation Space, including but not limited to the contamination of such equipment. Sprint will not have responsibility or liability for any damages, expenses, costs, fees, penalties of any kind arising out of, or in connection with the presence of asbestos in Sprint Premises, unless such disturbance directly arises out of or in connection with or results from Sprint's activities in the Building.

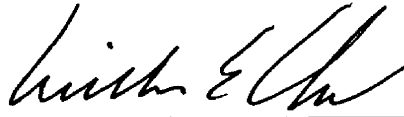
## **108. MISCELLANEOUS**

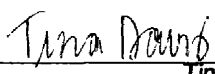
- 108.1. **Brokers.** Each Party warrants that it has had no dealings with any broker or agent in connection with this Agreement, and covenants to pay, hold harmless and indemnify the other Party from and against any and all cost, expense or liability for any compensation, commissions and charges claimed by any broker or agent with respect to this Agreement or the negotiation thereof.
- 108.2. **Agreement Effective.** Submission of this instrument for examination or signature by Sprint does not constitute a reservation of or option for license, and it is not effective, as a license or otherwise, until execution and delivery by both Sprint and TWTC.
- 108.3. **Representations.** Neither Sprint nor its agents have made any representation or warranties with respect to the Collocation Space of this Agreement except as expressly set forth herein; no rights, easements, or licenses shall be acquired by TWTC by implication or otherwise unless expressly set forth herein.
- 108.4. **Work Stoppages.** In the event of work stoppages, Sprint may establish separate entrances for use by personnel of TWTC. TWTC shall comply with any emergency operating procedures established by Sprint to deal with work stoppages.
- 108.5. **Authorized Representatives.** The individuals executing this Agreement on behalf of TWTC represent and warrant to Sprint they are fully authorized and legally capable of executing this Agreement on behalf of TWTC.

IN WITNESS WHEREOF, the parties have executed this Agreement the day and year first above written.

**Sprint-Florida, Incorporated**

**Time Warner Telecom of Florida, L.P.  
By: Time Warner Telecom General  
Partnership, its general partner  
By: Time Warner Telecom Holdings,  
Inc., its managing general partner**

By:   
Name (typed): William E. Cheek  
Title: President – Wholesale Markets  
Date: 8/6/03

By:   
Name: Tina Davis  
Vice President and  
Deputy General Counsel  
Title: \_\_\_\_\_  
Date: 7-28-03