BST
Research Area 1

Docket No. 920260-TL

Test Period Ended 12/31/92

November 12, 1993

Redact
Copy 1

III of III

COPY

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 03-24-93
Item No. 1-014.1
Page 1 of 1

Request: Provide the following materials that were provided by BST in response to items no. 14 and 18.

1.   Video Dial Tone Network Services Prospectus - Issue 1 - September 1992, SR - TSV - 00 2373
2.   Videotelephone Opportunity Analysis - Registered Doc. # 26252-0031 0 Special Report, SR - INS - 002103 - Issue 1, Jan. 1992
3.   Regulatory Analysis memo entitled: Classification of Premises Equipment for HDSL, dated May 8, 1991.

Response: The requested copies of the following materials which were provided for review by the audit team on Company premises on March 11 and 12, 1993, in response to Items 1-014 and 1-018 will be Federal Expressed for receipt on April 2, 1993:

1.   Video Dial Tone Network Services Prospectus - Issue 1 - September 1992, SR-TSV-00 2373

2.   Viedotelephone Opportunity Analysis - Registered Doc. # 2652-0031 0 Special Report, SR-INS-002103 - Issue 1, Jan. 1992

3.   Regulatory Analysis memo entitled: Classification of Premises Equipment for HDSL, dated May 8, 1991

This material constitutes confidential proprietary business information and will be the subject of a "Notice of Intent to Request Specified Confidential Classification" prior to the delivery of the documents.

COPY

CONFIDENTIAL

Date Provided: March 3?, 1993

1

B 459

Video Dial Tone
Network Service
Prospectus

Issue 1

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 03-01-93
Revised Response to
Item No. 1-017.1
Page 1 of 1

Request: What costs have BST incurred in relation to SS7 for each
of 1989 through 1992, and 1993 through 1996 (projected)?

Response: BST did not track the SS7 expenditures for the years 1989
through 1992; therefore, actual expenditure data is not
available. Following are the revised projected amounts
expected to be expended by BST for SS7 for the year 1993
- 1996.

	Capital	Expense
1993	$25.4M	$ 3.6M
1994	15.5M	3.2M
1995	1.3M	0.2M
1996	-0-	-0-

Date Provided: July 14, 1993

FOIKOIW 0011858

B 599

139

FAX NOTIFICATION

TIME: _____ 11:55

DATE: _____ 7-15-93

PERSON CALLED: _____ B.B.

PERSON CALLING: _____

☐ Requested to hold for Pick-up

☐ Requested to distribute through mail-run

140

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 03-01-93
Amended Response to
Item No. 1-017.2
Page 1 of 1

Request: In response to 1-017, BST provided costs incurred for Packet Switching for 1990 through year to date, 10/31/92. Provide the actual cost for 1992 and the projected costs for Packet Switching for 1993 through 1996.

Response: In its March 24, 1993 response the Company stated that it would provide a response or a status report on April 7, 1993. The Company's response is as follows:

See response to Item 1-017.3 for the BST 1992 costs incurred for packet switching services. Listed below are the BST 1993-1996 projected costs for packet switching.

1993	$10,615,000
1994	$13,406,000
1995	$16,577,000
1996	$20,739,000

This material constitutes confidential proprietary business information and is the subject of a "Notice of Intent to Request Specified Confidential Classification."

PROPRIETARY

Date Provided: April 7, 1993

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260
Audit
Date: 05/21/93
Amended Response to
Item No. 1-017.4
Page 1 of 1

Request: Provide the projected expenditures for 1993 through 1996 for 800 service for BST's entire nine state region broken down into regulated and non regulated by each state.

Response: The Company amends its response of May 28, 1993 in which it stated that the requested information or a status report would be provided on June 16, 1993 as follows:

The projected expenditures for 1993 through 1996 for 800 service are presented below. These projected expenditures are 100 percent regulated. The regional amounts reflect regional vendor contracts and regional number administration and services center charges.

($ 000s)	1993	1994	1995	1996
Region	$4,563	$4,057	$4,244	$4,244
Alabama	71	102	1,422	78
Florida	319	173	37	-0-
Georgia	257	148	1,432	78
Kentucky	61	33	7	-0-
Louisiana	123	67	14	-0-
Mississippi	74	40	8	-0-
North Carolina	123	67	14	-0-
South Carolina	74	40	8	-0-
Tennessee	235	73	14	-0-
Total	$5,900	$4,800	$7,200	$4,400

Date Provided: July 16, 1993

142

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 05/21/93
Amended Response to   :
Item No.   1-017.6
Page 1 of 1

Request: Are the figures provided in response to 1-
017.1 and 1-017.2 for BSTI's entire nine state
region?   If so, provide a breakdown of the
projected regulated and nonregulated portions
for each state.   If not, provide the total
projected amount for the nine state region
broken into regulated and nonregulated for
each state.

Response: The Company amends its response of May 28, 1993 in which
it stated that a response or a status report would be
provided on June 17, 1993 as follows:

The figures provided in response to Item No. 1-017.1 and
1-017.2 are for the nine state region. The Company does
not prepare projections on a regulated/nonregulated
basis.   The projected capital and expense dollars by
state for SS7 for years 1993 through 1996 are being
provided in the overnight mail to be delivered on
July 16, 1993.   There is no state-by-state
breakdown for packet switching.

The Company regrets the delay in responding to this
request. The preparation of this information took longer
than anticipated.

Date Provided: July 14, 1993

RECEIVED

.IIII · ᴗ.ı꞉꞉ᴗ

CMU

143

Response to Item No. 1-017.6
FPSC Docket No. 92-0260-TL
Date: 05/21/93

		Alabama	Florida	Georgia	Kentucky	Louisiana	Mississippi	North Carolina	South Carolina	Tennessee	Total BST
Projected SS7 Expenditures											
1993 -	Capital	4,382,000	5,819,000	0	166,000	1,175,000	7,197,000	210,000	1,447,000	5,003,000	25,399,000
	Expense	1,368,000	640,000	0	161,000	159,000	1,096,000	40,000	100,000	81,000	3,645,000
1994 -	Capital	2,852,000	1,068,000	0	2,448,000	0	4,752,000	360,000	3,993,000	18,000	15,491,000
	Expense	531,000	614,000	0	822,000	0	769,000	340,000	125,000	0	3,201,000
1995 -	Capital	0	949,000	0	0	0	151,000	150,000	67,000	0	1,317,000
	Expense	0	79,000	0	0	0	0	50,000	125,000	0	254,000
1996 -	Capital	0	0	0	0	0	0	0	0	0	0
	Expense	0	0	0	0	0	0	0	0	0	0

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Amended Response to
Date: 02-08-93
Item No. 1-026
Page 1 of 1

Request: Provide complete copy of the most recent Bellcore "Business Plan" staff 2nd POD, Item 58 in Docket 920260.

Response: The Company amends its February 12, 1993 response as follows:

The Bellcore Business Plan provided in response to Staff's 2nd PODs, Item 58 in Docket 920260 will be provided on February 18, 1993.

In its original response of February 12, 1993, the Company agreed to provide information requested in Staff's 2nd PODs, Item 58 in Docket 920260-TL.

Attached is the information provided in response to Staff's 2nd PODs, Item 58, in Docket 920260-TL.

This material constitutes confidential proprietary business information and is the subject of a "Notice of Intent to Request Specified Confidential Classification".

Date Provided: February 17, 1993

145

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Citizen's 3rd PODs
April 10, 1992
Item No. 66
Page 1 of 1

REQUEST: Provide a complete copy of the most recent BELLCORE
                "Business Plan."

RESPONSE: The requested information is proprietary and will be
                made available for review on Company premises.

146

B 629

INCREASING BELLCORE'S VALUE

TO ITS OWNERS

BELLCORE

BUSINESS PLAN ANALYSIS FOR 1990-1994

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 03-24-93
Item No. 1-046
Page 1 of 1

Request: On page 55 of the NARUC Accounting task force Phase II
report on the Review of Bellcore Technical Work Efforts,
November 1992, it is stated that when a concept is ready
to be presented to the RBOCs, Bellcore's Network Services
and Technology Process (NSTP) prepares a Prospectus.
Provide an example of a project prospectus prepared by
Bellcore for presentation to the RBOCs.

Response: Attached is an example of a project prospectus prepared
by Bellcore for presentation to the RBOCs. This
prospectus is entitled Switched Multi-Megabit Data
Service (SMDS) and was prepared in 1990.

This material constitutes the confidential proprietary
business information of an outside company and is the
subject of a "Notice of Intent to Request Specified
Confidential Classification."

Date Provided: April 7, 1993

213

Bellcore

@ a. j Communications Research

Technical Information Cover Sheet

To Be Completed by Originator

Document Number	Issue No.	Addendum No.	Revision No.	Volume No.	Appendix No.	Bulletin Number	Supplement Code
SR-NPL-001738	1						

Title Switched Multi-megabit Data Service Prospectus for Local Exchange Carriers

Software Release Name/No.	Replaces Document Number(s)		Document Date

Contact/Author Name(s)	Org. Code(s)	Loc. Code & Room No.(s)	Tel. No.(s)
N.N. Crystal	26533	NVC 5P258	(201) 758-2196
J.A. Morgan	26533	NVC 5M248	(201) 758-2603

Six Character External Project Number(s)
422202

Bellcore Product Name Title(s)
Technical

Funding Clients (F)/Entitled Clients (E)/Not Authorized (N)

F	E	N		F	E	N		F	E	N	
	E		Bellcore				BellSouth				U S WEST
E	E		All Regional Cos.				NYNEX	E	E		SNET
E	E		Ameritech				Pacific Bell	E	E		CBI
			Bell Atlantic				Southwestern Bell				Other (See Below)

Other (Company Name)

Proprietary Status

- [ ] Propdetary - Internal Bellcore Use Only
- [ ] Propdetary - Bellcore and Authorized Clients
- [ ] Restricted - Limited Distribution - Bellcore Only
- [ ] Restricted - Limited Distribution - Bellcore and Named Client
- [ ] Bellcore Registered Document
- [X] Non-Propdetary

Distribution Lin Code(s)

Potential Non-Affiliate Interest For Document	List Related document Number(s)	If Generic Requirements Document, Check One
[X] Local Exchange Carriers	TA-TSY-000772	[ ] Switching
[ ] Interexchange Carriers		[ ] Transport
[ ] Manufacturers		[ ] Operations
[ ] Consultants		[ ] Reliability & Quality
[ ] Other_____		[ ] Common/Miscellaneous

Legal Approval	If A Previous Issue Received Legal Approval And Is Currently Being Revised, List The Issue And Pages With Substantial Revisions.
[X] Required	
[ ] Not Required	- - - - -

If Legal Approval Already Obtained, Identify Attorney And Date Of Approval
Mr. Mark Naftel 7/90

To Be Completed By Division Manager Or Higher

Name (Printed)
T.J. Scheuerer

Signature *[signature]* Date 7/90

To Be Completed By Legal (If Required)

- [ ] Released   [ ] Released: Subject To Comment/Change Revisions
- [ ] Not Released: Reasons: _____

Attorney's Name (Printed)
J. Mark Naftel

Attorney's Signature *[signature]* Date 7/30/90

To Be Completed By Technical Publications (If Applicable)

Writer/Editor's Name (Printed)		Tel. No.

Writer/Editor's Signature		Date

To Be Completed By Information Exchange Management

Name (Printed)

Signature		Date

To Be Completed By Information Delivery Operations

Date Processed	Total Pages	Price Each

Copies Printed	Stock Maintained At	
	[ ] Distribution Storage Center	[ ] Originator

Abstract (Used For On-line Catalog Search)

The purpose of the prospectus, prepared under the auspices of the National Services Coordinating Group, is to: 1) provide Local Exchange Carriers (LECs) with sufficient information to allow LECs to assess the relevance of Switched Multi-megabit Data Service (SMDS) to their networks and customer base; 2) provide an economic model which could be utilized to structure an individual company's business case on SMDS. This Local Exchange Carrier Prospectus is based upon a prospectus prepared for the Bellcore Client Companies (BCCs). Although the BCC Prospectus recommends continued national service planning toward the goal of a National Planning Letter, this effort should not be construed as a commitment by any BCC to the deployment of SMDS as part of an exchange access service. Deployment commitments, if appropriate, may be made as part of a National Planning Letter currently targeted for 2Q91.

214

PROPRIETARY

Topical Keywords, Phrases And/Or Subjects
SMDS, Local Exchange Carriers

F01K01W 000318 (3)

SWITCHED MULTI-MEGABIT DATA SERVICE (SMDS)

PROSPECTUS FOR

LOCAL EXCHANGE CARRIERS

Proprietary in entirety

Employee Quarterly Report

Name	Title	RM	Commitment Period	1Q92

A. COMMITMENTS FOR NEXT QUARTER

• *Group Commitments:*

1. Provide training on Amplify-based SCE usage. (Jan)
2. Establish initial SLL SCM tool users. (Feb)
3. Integrate AT&T dot release SCE changes into ATDC environment. (Jan)
4. Document initial Test architecture. (Mar)
5. Review & baseline Document Management requirements. (Mar)
6. Define Amplify document control model. (Mar)
7. Develop graphical timespan interface for ANC & CAR human factors testing. (Feb)
8. Publish version 2 of ATDC software deployment plan. (Mar)
9. Install SMS communications equipment and network connections. (Feb)
10. Provide continuing support for AIN computing, lab, and service creation environments.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

• *Personal Accomplishments:*

1. Monitored computer-related and ATDC capital expenditures.
2. Participated in interviewing/recruiting activities (numerous telephone screenings, 8 interviews, 2 offers)
3. Completed TQA course. Facilitated TQA course for remaining S&T members.

• *Group Accomplishments:*

1. Completed initial draft of ATDC Software Deployment Process document defining process flow, field update structure, and responsibilities.
2. Completed regression testing of Beta ASPIN platform deliveries.
3. Completed performance test 2 and CRT3 tests on Beta ASPIN system.
4. Converted ASPIN CRT scripts to PISCES scripts. Proposed PISCES use as part of overall test architecture.
5. Integrated Beta versions of AT&T SCE into ATDC computing environment. Completed initial integrated desktop SCE interface.
6. Completed initial version of DDTS graphical interface for problem submission.
7. Completed installation of ASPIN Beta and SCP prototype.
8. Completed installation of 5E7 generic, 5E hardware upgrade, and STP BCS31.
9. Completed planning, engineering, and orders for SMS interconnections, and CNAM hardware & software. Received and installed initial CNAM hardware and software. (NOC interconnection deferred pending further definition of needs.)
10. Began work on initial SCP performance test. (Completion delayed due to Beta testing)
11. Completed initial draft of document management tool requirements.
12. Defined decision graph enhancements and presented to AT&T. (Deferred ANC GIS interface in order to work CAR requirements)
13. Published 1992 Computing Resource Plan.
14. Demonstrated initial version of Amplify-based SLL configuration management environment.
15. Implemented 5ESS, DMS-STP, and MGTS translations to support SCN and SCP.
16. Planned/coordinated initial phase of ATDC expansion space construction.

Supervisor's Signature	Title	AT&X	Date	1/18/92
Employee's Signature	Title	N.V.	Date	2/10/92

☐ Employee's comments on reverse side

Employee Quarterly Report

Name	Title RM	Commitment Period First Quarter 1992

A. COMMITMENTS FOR NEXT QUARTER

(1) Finalize the CNAM Feature Design (change control by 3/31 pending FSD approval by 2/15).

(2) Review and update CNAM System Test Plan document (2/15).

(3) Update Test Abstract document for CNAM service and add detailed subcases (3/31).

(4) Test the basic communication transport mechanism between the SCP and SMS (2/28).

(5) Write and execute test plans and test software to independantly test the SCP to SMS transport mechanism (3/15).

(6) Complete detailed test plans for the SCP's SMS Interface Subsystem (3/15).

(7) Place ANC SCP Feature Design document under change control (2/3).

(8) Develop an Integration Plan for ANC (2/15).

(9) Begin performance testing ANC service including measurements and high performance DBMS's (3/20).

(10) Publish Feature Design document for CAR service (3/15).

(11) Update Capabilities Mapping document for CAR service (3/15).

(12) Update Test Abstract document for CAR service (3/15).

(13) Modify CAR prototype SPA for Beta SCP (3/15).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

(1) Published a preliminary Feature Design for CNAM.

(2) Reviewed CNAM Service Concept and Mapping documents and published the Capabilities Mapping and System Test Case Abstract documents.

(3) Published preliminary CNAM Measurements Feature Subsystem Design document.

(4) Reviewed the ANC Feature Design document and the ANC Feature Subsystem Design documents.

(5) Developed and demonstrated a partial version of the ANC service on the SCP prototype system using the 5ESS, DMS-100, and the NTI STP.

(6) Participated in Human Factors and Market Research studies, refined the Service Concept and Mapping documents, and developed

(7) Reviewed CAR Service Concept and Mapping documents and published the Capabilities Mapping and System Test Case Abstract documents.

(8) Updated and published as Memoranda for File all existing process documents.

(9) Published the 4Q91 version of the Software Development Plan document.

(10) Published and reviewed the Software Design Process document.

(11) Submitted a co-authored paper for the ISS '92 conference.

Supervisor's Signature	Title Director	Date 2/4/12
Employee's Signature	Title RM	Date 2/3/92

☐ Employee's comments on reverse side

273

Employee Quarterly Report

2

Name	Title Operations Manager	Commitment Period 1Q93

A. COMMITMENTS FOR NEXT QUARTER

1. Assure all efforts are made to complete 3-point circuit part of VISTAnet
2. Transition with the "Data Bubble" on the N. C. broadband initiative
3. Continue with telecommuting trial - monthly updates
4. Continue Demonstrations as required

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Caroline began telecommuting on a part time basis on 12/1/92
2. Customer presentations on the Broadband Initiative 10/15/92, 12/18/92
3. Six demos completed
4. Assisted the Georgia State Account Team on a tour of the N.C. Broadband Initiative in N.C. 12/9-11/92
5. First draft and second draft of Distance Learning description completed
6. Met weekly with customer in Raleigh

274

Supervisor's Signature	Title Director	Date
16	Title Operations Manager	Date 1/13/93

Employee comments on reverse side

Accomplishments and Commitments of

2

Fourth Quarter Accomplishments

Continued support of S-1200 Docket Team.

Community Lab project - Network's part(operations, design) is complete. NTI offered BellSouth production software, so the cutover was delayed six weeks until February. We saved BellSouth approximately $1.5 million on memory cards that we did not have to buy as a result of our investigation and contract knowledge.

Attended Globecom91 and assisted Dr. Kettler in the arrangements for Globecom92. Completed the hand off from Susan Hitchcock.

Directed the design and writing of Video Window and Personal Video. Unable to obtain the codecs to accomplish the bridge to Birmingham.

VISTAnet main ship was on time. NTA's slipped due to Fujitsu's problems with LSI's. Latest is that the fix is working.

First Quarter Commitments

Continue the investigation of possible joint ventures with WJB-Blockbusters. Make proposal based on the findings.

Turn VISTAnet up on March 1, 1992.

Determine the Pratt&Whitney project feasibility and begin negotiations on this project.

Move the Hunter's Creek project or eliminate it.

Contact Sprint on possible extensions of MICA by March 1, 1992.

Begin Quality effort within my own group. Get all to agree to contact their customers - determine if they are customers or suppliers - and see if they are satisfied.

2P

/Operations Manager   Director

Employee Quarterly Report

NameTitleCommitment PeriodJoe H. SimpsonOperations Manager4Q92

A.   COMMITMENTS FOR NEXT QUARTER

-Begin the part-time, telecommuting trial with Caroline Cranfill. Date to begin 12/1/92
-Continue with NC State Government Broadband Proposal. Presentation to the customer 10/15/92
-Work with the "Data Bubble" to expand the broadband to include other customers.
-Continue to provide demos as required.
-Provide assistance to Georgia on their Broadband Proposal
-Secure approval for the personal video trial by 12/15/92
-Assist in video application description and equipment selection for NC state government

B.   ACCOMPLISHMENTS FROM PREVIOUS QUARTER

-For the NC Broadband Proposal:
        Costing information to the costing group 7/22/92
        Pricing to customer (ballpark) 8/6/92
-Demo room design completed 8/1/92
-Provided assistance in the Multi-purpose switch study:
        Forecast
        Design criteria - 8/17-19
        Preliminary economics - 8/17-19
-Met with both Florida and Georgia stated government account teams
        Tallahassee - 8/14
        Atlanta - 8/4
        Bill Reddersen update 9/10/92
-Provided Herb Cash a forecast (Karen Candler)
-provided assistance to assure the transfer of knowledge from the NC broadband design to other groups so to not duplicate the effort. Meeting with company-wide group - joint with Dan Spears 8/17-19
-Wish we could have gotten VISTAnet up period.

Supervisor's SignatureTitleDateDirector

Employee's SignatureTitleDateOperations Manager

_ Employee Comments on reverse side

NOV 13 1992

Neil - as soon as I figure out how to draw on Windows, I'll fix this

Joe

276

C (73)

Accomplishments and Commitments of

2

Third Quarter Accomplishments

- Attended and played an active role in all meetings of the S-1200 Docket Team.
Provided leadership and insight to the group on the evolution of BellSouth's Broad band plans.

Provided an hour long presentation and Q&A session with Mr. Dan Gardiner of W. H. Reaves on the future services BellSouth would offer in the next ten years. Was requested by Investor Relations to continue to make these types of presentations in the future. Dan Spears made a similiar presenatation for me on 9/25 while I was on vacation.

Per Ray Cummings of Fujitsu, the Fetex-150 has shipped from Japan. Only one NTA is available with the initial shipment, but the others should begin to arrive within a week.

Attended all Community Lab meetings in Nashville and Atlanta(Ravinia). Ron Sanders is assisting in this project(at his request). All Network requests have been handled that I am aware of.

I have attempted to contact Sprint concerning the extension of MICA. All parties have agreed to the proposed extension. My contact at Sprint has just returned from a six weeks maternity leave. Carrier Services is attempting to find other contacts.

The maintenance plan for VISTAnet has been revised and is currently being reviewed by the local Network forces(Alan Lee). Bellcore has been invited to observe the VISTAnet proceedings.(Pharos Madden) They will play no part in the negotiations or workings of the project, but we have invited them to see the project first hand.

Fourth Quarter Commitments

Continue my role on the Docket Team(S-1200).

Begin the early phases of Community Lab by 12/31/91.

Attend Globecom91(12/2/91) and handle the arrangements as handed off from Susan Hitchcock.

Attempt to connect Atlanta and Birmingham with Video Conferencing Assuming the approval for the codecs is obtained.(Completion by 12/15/91 if the codecs are available by 10/15/91)

Assure the timeliness of the VISTAnet project. Switch installation during 12/91.
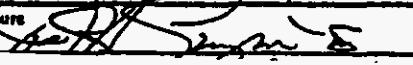
Employee Quarterly Report

Name		Title Staff Manager	Commitment Period 1Q93

A. COMMITMENTS FOR NEXT QUARTER

Continue to document telecommuting experience and information relevant for future telecommuters. Summarize in a report at quarter's end.

Participate as a support staff member on the Governor's Advisory Council on Science and Technology.

Coordinate UNC SMDS trial planning and prepare trial approval document or proposal.

Complete other specific projects as assigned by supervisor.

B. ACCOMPLISHMENTS FROM PREVIOUS QUARTER

Documented joint SMDS testing on the Fujitsu FETEX-150 with NYNEX. Distributed memorandum 12/31. MF-ATSEC-12-92-062

Began telecommuting or working from home. Summarized logistics and experience to date in a memorandum. 12/28

Ordered second line to residence for business use. Documented everything required to get the line in place for future reference for other telecommuters. 12/22

Supervisor's Signature	Title Operations Manager	Date 12/18/92
Employee's Signature	Title Staff Manager	Date 12/18/92

☐ Employee Comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period
	Staff Manager	3Q92

A. COMMITMENTS FOR NEXT QUARTER

- Participate as staff support on Governor's Advisory Council on Science and Technology (GACST), including meetings, interviews, and write-ups, as directed. Troubleshoot Bulletin Board system problems as necessary.

- Complete SMDS internal trial documentation, including methods used during the trial relevant for commercial BNS 2000 equipment and trial problem resolution techniques.

- Prepare University of North Carolina (UNC) SMDS Concept trial plan on the Fujitsu FETEX-150 in Chapel Hill, NC and coordinate trial team activities between Science and Technology, Southern Bell North Carolina, and UNC.

- Document initial evaluation of SMDS on the Fujitsu FETEX-150 at NYNEX's facility in Cambridge, MA for internal distribution with Barbara Roden and Mo Nikain, and for external distribution as agreed to with NYNEX and Fujitsu.

- Complete other specific projects as assigned by supervisor.

B. ACCOMPLISHMENTS FROM PREVIOUS QUARTER

- Wrote proposal for joint work between BellSouth and NYNEX regarding SMDS testing on Fujitsu FETEX-150, completed 6/15. Coordinated test plans, equipment, and resources for evaluation; began testing 6/15. Negotiated with CPE vendors to borrow equipment, including prototype SMDS DS3 access class five equipment. 5/18-5/22, 6/3 Shipped and set up equipment and LANs in Boston at NYNEX's facility, began tests. 6/17-6/19

- Worked with ICA team to set up SMDS showcase at warehouse 4/13-4/17 and also at show floor. 5/14-5/17 Helped train booth workers 4/27-4/29, provided technical support during show, worked booth, helped break down and pack booth. 5/18-5/22 Set up Inforum SMDS T1 link 4/30, 5/12, LAN, and application for the ICA show 5/14-5/15, told them what kind of equipment they needed. 4/30 Interviewed with trade press. 5/20, 5/21

- Provided support to SMDS Six City rollout team and Huntsville SMDS trial. Participated in meetings 4/16, 5/28, 6/25. Helped get BCR SMDS connection up. 4/30 Troubleshot SMDS T1 problems in Birmingham. 5/13-5/14 Arranged AT&T presentation of BNS 2000 overview for Network and USC folks involved SMDS rollout. 5/22,23

- Created list of communications equipment and needs for members on GACST; gave info to Hayes to set up Bulletin Board. 4/1-4/16 Got Southern Bell associates set up with PCs, cables, lines, and modems to access system. 5/13, 5/28 Participated in GACST meetings. 4/17, 6/2, 6/30

- Met with UNC and Southern Bell to plan FETEX-150 SMDS trial; wrote summary; assigned action items. 6/25
- Provided input to Angela Healy, Telemontik Systems, Norway, on BellSouth SMDS plans to present at a conference in Norway. 4/13-4/16 Replied to subsequent inquiries from Bjorn Holther, Norwegian Telecom. 6/8
- Prepared AIN demo with J.Heath, P.Hill; gave to CSELT and SIP reps; coordinated agenda and presentations.6/16
- Set up access from S&T and ATDC Ethernets to other networks within BellSouth over SMDS. 4/6, 5/13
- Prepared presentation of plan for the demonstration room for staff meeting. 6/15
- Met with BCR to discuss SMDS trial and problems and feedback into standards development of TA ' 364, 4/14

Supervisor's Signature	Title	Operations Manager	Date 8/3/92
Employee's Signature	Title	Staff Manager	Date 7/31/92

☐ Employee Comments on reverse side

Employee Quarterly Report

Name		Title	R.E.	Commitment Period	3Q92

A. COMMITMENTS FOR NEXT QUARTER

October:

- Finalize the selection of vendor equipment for the native LAN interconnection service.
- Test the BNS2000 release 1.0 switch in the labs. Document the result.

November:

- Start testing the Fujitsu switch in Raleigh.
- Test the native LAN service in the lab in more details using the selected equipment under more realistic scenarios.

December:

- Document the result of the Fujitsu test
- Help install the equipment for the native LAN service in the field.
- Help install the switches for the 4 cities roll out of SMDS and FR.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Met and planned LAN interconnection service with many FDDI vendors.
- Met with Centel to learn about their experience with the LAN interconnection service in Tallahassee, FL.
- Started to test many of the FDDI bridges/routers in the labs.
- Rearranged the labs to support many more equipment; rewire the 3 labs with fiber-optics to support FDDI.
- Studying the operations and addressing issues in LAN interconnection given multiple customers running multiple LAN protocols.
- Evaluated and gave recommendation on the BISDN RFP.
- Tested the FR feature on the BNS2000 switch both in Huntsville and in Bell Labs, NJ.
- Providing technical input to the 4 cities roll-out project team.
- Work with AT&T to install the two new BNS2000.
- Continue to work with IBM, ORNL and UT on the High Speed network trial.
- Completed the Executive Speaker course.

Supervisor's Signature		Title	Research Manager	Date	10/16/92
Emp		Title	R.E.	Date	10/16/92

☐ Employee's comments on reverse side

Employee Quarterly Report

Name		Title	R.R.	Commitment Period	3Q92

A. COMMITMENTS FOR NEXT QUARTER

July:

- Continue to plan for the native LAN interconnection service by meeting with FDDI vendors.
- Evaluate the BISDN RFP.
- Test the conformance of the BNS-2000 as a Frame Relay switch. Document the result.

August:

- Start testing the Fujitsu switch in Raleigh.
- Start to receive the FDDI equipment in the lab. Test the native LAN service in the lab.

September:

- Document the result of the Fujitsu test
- Start testing Frame Relay in the lab as soon as the BNS-2000 is upgraded.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Help Marketing test the SMDS switch at Redstone
- Managed the set up of the network at the ICA warehouse, and coordinated the installation of the equipment and applications from various vendors.
- Finished and published the test plan for the Fujitsu switch
- Set up the network, installed the equipment/applications, and demonstrated SMDS at ICA and Interop East.
- Completed the EPLC course: "Facilitation skills training"
- Published progress report on work done with the University of Florida.
- Reviewed and rewrote the joint SMDS simulation paper with UF and sent it to the Bellcore conference on performance modeling
- Completed the testing of the NYNEX Fujitsu switch in Boston. Many issues concerning the DS3 SNI will need to be resolve when we test our own Fujitsu switch in Raleigh in August.
- Started the planning for the native LAN interconnection service.

Supervisor's Signature		Title	Research Manager	Date	7-27-92
Employee		Title	R.R.	Date	7/27/92

☐ Employee's comments on reverse side

281

Employee Quarterly Report

4

Name	Title R. R. M.	Commitment Period 1Q1993

A. COMMITMENTS FOR NEXT QUARTER

1. Refine new profit-generating services through customer & vendor interactions, innovation lab, community lab, and human factors lab

9

   - Produce 2 AIN Baseline Service Concept Documents for high potential services (Mar)

   - Generate   , and begin first phase usability study on Decision Graph interface and Analog Display Services Interface (ADSI)

   - Document retail PNC enhancements based on Innovation Lab results (Mar)

   - Manage & support Bellcore work to develop new service concepts & requirements (ADSI and CASP)

   - Build capabilities to support development of prototype services for innovation lab. Complete voice recognition hardware platform installation (Mar). Develop ADSI service prototype (Mar)

   - Act as project manager on AT&T/BellSouth joint work on Decision Graphs (Jan-Mar)

   - Begin working with marketing on producing guidelines for methodologies for use in service concepts work.

2. Identify potential profit generating services. Evaluate QFD by applying it to a particular service, identify service & begin 1Q

3. Complete involvement in FNS teams (Mar) and begin work on implementing solutions

4. Enhance S&T/Marketing Partnership.

   - Align 1993 Strategic Alignment work plan with Strategic Market Planning and Carrier Services (Jan)

   - Develop customer/supplier agreements including ADSI, Personal Services, and AIN Programmability (Mar)

   - Work with Marketing on getting BellSouth commitment to an overall ADSI strategic plan

5. Continually improve service concepts process

   - Refine AIN product development process to clearly identify responsibilities & commitments. Start 1Q, Report 4Q

   - Continue to pursue Visual Message Waiting Indicator, Call Monitoring, and Mid-Call Signalling patents

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

26 1. Participated in and lead the   Identified Critical   sues (Oct). Produced team Work Breakdown Structure and Quarterly Goals (Oct). Maintained ongoing coordination of teams efforts (Oct-Dec)

28
29 2. Began development of
                              e data structures provided in the design were implemented in the first cut of the Circuit Node (SCN) and Service Control Point (SCP) software (Oct-Dec). Produced initial Billing Design (Oct). Consulted on SCP/SCN Communication Design and Development and on SCN Selective Call Acceptance Design and Development (Oct). Developed initial version of SCN Service Control, Personal Registration, and Administration Functions Software. While not fully implementing all requirements, all the major functions are present in this 10,000 line program (Dec)

34 3. Served as the primary   development interface to, and resource for, the requirements group and product team (Oct-Dec)

35 4. Provided ongoing support and consulting for th   ovation Lab trial, implemented scheme for participants to have backup other than voice mail; and to interface to new voice mail systems (Oct-Dec)

     5. Generated concept for Geographic Calling Location. Submitted the idea to review for patent possibilities (Dec)

282

Supervisor's Signature	Title FiÉx Pia.	Date 1-29-93
Employee's Signature	Title R.R.M.	Date 1-26-93

39

] Employee's comments on reverse side

Employee Quarterly Report

Name	Title R. E.	Commitment Period 3Q1992

4

A. COMMITMENTS FOR NEXT QUARTER

1. Participate in and lead the Personal Number Calling (PNC) development team (July-September)

2. Develop the Service Control & Administration and Billing portions of the PNC IV code for the Innovation Lab (September)

3. Generate the PNC Internal Trial Support Procedures and Document them (July)

4. Update the PNC IV Service Requirements and Service Package Application FSDD as necessary and serve as the primary development team interface on the deployment grade PNC Requirements (July-September)

5. Produce the work breakdown structure for the next year (August)

6. Produce a prototype of the 4/94 PNC deployment version on the Service Control Point (SCP) and Service Circuit Node (SCN) (September)

7. Perform background research for paper exploring techniques that might be used to maximize innovation in the AIN area (July-September)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Generated the PNC IV Service Requirements which specify the Internal Trial and Innovation Lab versions of PNC (April)

2. Produced the PNC IV Service Package Application Feature Subsystem Design Description (May)

3. Wrote the PNC IV Testing Document for the Service Control & Administration portion of PNC IV (May)

4. Developed the Service Control & Administration portion of PNC IV on the First Office Application Aspin (May)

5. Participated in the PNC IV Code Reviews and Test Result Reviews (May & June)

6. Identified the PNC Team Work Breakdown Structure for the next year (June)

7. Identified and Communicated the PNC Critical Issues (April)

8. Maintained the PNC Development Timeline (April through June)

9. Established the translations so that the Demo room could be used as a permanent demonstration location for PNC. Provided the Concept Field Trial Support Group with scripts so that they could perform PNC demonstrations (June)

10. Proposed a method whereby AIN could be used to provide star-code access to the Aspin. Demonstrated its feasibility in the Lab by triggering to the SCP upon dialling *91 and having the SCP then route the call to the Aspin (June)

11. Identified a method to enable the SCP to route calls for the Aspin. Demonstrated its feasibility in the Lab (June)

12. Produced a technical memorandum examining the impact of the major US demographic trends on communications services (June)

13. Analyzed all distributed database trouble tracking system (ddts) bug report data, producing a quality report which included bug submission and resolution graphs, a Pareto analysis, and detailed recommendations for further work (April)

Supervisor's Signature	Title RM	Date 7-15-92
	Title RE	Date 7-15-92

35

☐ Employee's comments on reverse side

C (80)

FOIK01W 089558

Employee Quarterly Report

4

Name	Title R. E.	Commitment Period 4Q1992

A. COMMITMENTS FOR NEXT QUARTER

1• Participate in and lead the Personal Number Calling (PNC) service logic development team (October-December)

2• Begin development of 4/94 PNC on the Service Control Point (SCP) and Service Circuit Node (SCN) (November-December)

- Produce Data Structure Design (October)
- Produce Billing Design (October)
- Consult on SCP/SCN Communication Design (October)

3• Serve as primary PNC development interface to the requirements group and product team (October-December)

4• Develop rough draft of paper exploring techniques for maximizing innovation in the AIN area (December)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1• Participated in and led the Personal Number Calling (PNC) development team. The team successfully concluded an internal trial on PNC IV, turning up the first five participants on July 7 and growing to twenty participants by early September. Only a single PNC software bug was uncovered after the trial expanded beyond the development team (July-September)

2• Developed and tested the Service Control portions of the PNC IV code for the Innovation Lab. Developed and tested several enhancements to PNC IV for the Internal Trial and Innovation Lab (July - September), namely:

- Developed shortcut in the administration menu when dialing from a base station (i.e., when dialling from a base station, a subscriber goes directly to "Subscriber Name - please enter your PIN" without entering their PNC number first) (July)

- Developed and tested long-distance registration, provided per-subscriber controls on the ability, and provided recent change tables to restrict the NPAs and NXXes that could be registered to (e.g., no registration to 976 numbers) (August)

- Proposed a method whereby any existing voice mail systems could be used for the voice mail and voice mail monitoring. Implemented and tested the enhancement, method now used for both the internal trial and the innovation lab (August)

3• Generate the PNC Internal Trial Support Procedures Document. This laid out the responsibilities and procedures for support of the internal trial. It will now be used as the basis around which the innovation lab support procedures will be formed (July)

4• Updated the PNC IV Service Requirements and Service Package Application FSDD as the service was modified and improved during the development and testing for Innovation Lab (July-September)

5• Produced initial PNC Phase 1 and 2 functional design and the PNC work breakdown structure for the next year (September)

6• Completed background research for paper exploring techniques for maximizing innovation in the AIN area (July-September)

7• Generated 5ESS Automatic Message Accounting (AMA) records and supporting documentation for Wireless Interconnection Services Group. Data was used to evaluate an ISDN wireless tariff to support service circuit node types of devices (August)

8• Served as the primary development team interface on the deployment grade PNC Requirements (July-September)

9• Served as subject matter expert to AT&T on Call Progress Tone Detection Feature, Double Transfer Delay Problem, and Service Circuit Node access and reliability features on the 5E (July-September)

10• Proposed a method whereby a single subscribers calls can be traced on the debug log (this was useful for trouble shooting during the trials). Method added into the basic "ropmon" capability by the tools and support group (August)

Supervisor's Signature _Martha S Farmer_	Title RU	Date 10-13-92
Employee's Signature	Title R.E.	Date 10-13-92

☐ Employee's comments on reverse side

FOIK01M 003971 C (81)

Employee Quarterly Report

Name	Title	Commitment Period
	Staff Manager	January 1, 1992 through March 31, 1992

A. COMMITMENTS FOR NEXT QUARTER

Complete contract arrangements with UNC for the MICA project.

Provide proposal listing acceptable nodes for an SMDS trial at UNC using the Fujitsu switch in Chapel Hill.

Provide technical and logistics support to John Loop during the check-out of the VISTAnet NTAs.

Ensure that the fiber for MICA is installed by providing all necessary support, documentation, approvals, etc.

Organize task force to coordinate trial activities involving the Fujitsu switch.

Provide logistics and technical support to ensure that the MICA network is available by the end of March.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER
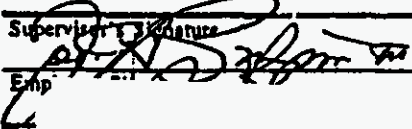
Handled coordination functions related to the installation of the Fujitsu Broadband switch, including: making arrangements for AC power and isolated ground installation and modification, arranging air conditioning modifications, obtaining a quality audit, providing furniture, and making arrangements for space access (keys), cleaning and parking.

Obtained UNC's commitment to install conduit for the MICA project (letter to Bob Thompson Oct. 9, coordination with UNC engineering and Southern Bell groups).

Handled contract, budget and billing matters for VISTAnet and MICA (Switch acceptance letter to Mr. Hovaldt Dec. 3, Accrual letter Dec. 16, initiation of MICA contract via E-mail to Marty Ruegsegger Nov.25).

Handled documentation, meeting arrangements and status reports for the VISTAnet and MICA projects (Kettler summary Nov. 11, status report for the VISTAnet Council Oct. 10, minutes of September Council meeting Oct. 1, Fujitsu face-to-face meeting and demos of Nov. 13, Council meeting of Dec. 17).

Investigated the SCSI interface cable limitation, contacted subject matter experts on the question and provided Vortech Data, UNC and Fujitsu information on how cables of the required length can be obtained.

Supervisor's Signature	Title Gp. Manager	Date 1/29/92
Emp	Title Staff Manager	Date 01-29-92

F01K01H 009174   C(82)

Name	Title	Commitment Period
	Staff Manager	July 1, 1992 through September 30, 1992

A. COMMITMENTS FOR NEXT QUARTER

Secure final approval of the MICA contract between BellSouth and the University of North Carolina.

Coordinate final test plans for the GTE switch and remaining network tests prior to making the network available to the VISTAnet application developers. Document GTE Circuit Switch integration test plan.

Continue coordination activities on the MICA project to ensure that the final fiber links are installed, the demo facility in Rosemary Street is set up and the needed equipment is ordered; and provide all necessary coordination to complete network tests and bring up the application.

Secure approval for Southern Bell's provision of the necessary facilities and technical support for the UNC SMDS trial proposed for the Fourth Quarter 1992. Continue planning activities associated with the trial.

Provide all necessary project management support to complete the installation and testing of network equipment for VISTAnet and subsequent activities commemorating the "turn over" of the network.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

Handled coordination and project management functions on the VISTAnet and MICA projects including: making arrangements for the May 7 face to face meeting with Fujitsu, arranging for VISTAnet demos, investigating and resolving (with Rick Schiffler's help) the fiber connector problems reported by Fujitsu, initiating efforts to have fiber to the demo facility installed, and coordinating efforts to install the BCP HIPPI extender link.

Handled other project management duties related to VISTAnet, including: completion of the coordination on the VISTAnet Annual Report, Council Minutes (6-8), Drummond status reports (5-13), and handled all bills and reversed the December accrual (letter of 6-15).

Completed, with Contract Management organization, the proposed MICA contract and sent to Bob Thompson at UNC.

Set up meeting to discuss SMDS trial with UNC using the Fujitsu switch in Chapel Hill - outline of trial plans and preliminary schedule developed in meeting.

Supervisor's Signature	Title	Date 7/24/92
Employee Signature	Title	Date

FIKBIH 5952 (83)

2

Name _____	Title Staff Manager	Commitment Period October 1, 1992 through December 31, 1992

A. COMMITMENTS FOR NEXT QUARTER

Provide all necessary project management support to complete the installation and testing of network equipment for VISTAnet and subsequent activities commemorating the "turn over" of the network.

Continue coordination activities on the MICA project, including making arrangements for the extension of fiber facilities from room 2047 in the hospital to the new location for the MICA demonstration.

Secure final approval of the MICA contract between BellSouth and the University of North Carolina.

Prepare a proposal outlining the benefits of, and resources required for, extension of the MICA project through 1993.

Continue planning activities for a future SMDS trial with UNC.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

Obtained approval for increased funding to UNC for MICA (memo dated August 24).

Prepared spreadsheet budget summary for both VISTAnet and MICA to help determine the level of support available for extending both VISTAnet and MICA beyond presently planned intervals (memo dated August 24).

Secured the installation of fiber to the demo room from the Fujitsu switch in the Rosemary Street CO, and the completion of fiber installation for MICA, through coordination with Southern Bell (letter dated July 27 to R. M. Smith).

Continued SMDS trial planning activities through the period, including coordination to obtain SMDS TAs for evaluation and checkout with the switch, and seeking other means to obtain DS3 SMDS cards for the trial.

Continued project support activities for VISTAnet, including Council conference call minutes, planning for celebration event, designing and obtaining commemorative coffee cups, giving oral presentations to visiting groups, handling project bills and tracking on-going integration tests.

Coordinated integration testing of GTE's Circuit switch with the Fujitsu network equipment, including the documentation of test plans for participants.

Supervisor Signature	Title	Date 10/15/9U
	Title STAFF MGR	Date 10/15/92

32

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	1/1/92 - 3/31/92

A. COMMITMENTS FOR QUARTER

1. Provide direction and feedback to group members through regular individual meetings (ongoing).
2. Manage BellSouth involvement in B-ISDN standards and submit technical contributions to T1S1 and CCITT to accelerate their completion (ongoing).
3. Increase the coupling between B-ISDN signaling standards and BellSouth business strategies (3/92).
4. Meet with Network Planning and Marketing and initiate the development of a comprehensive plan for introducing broadband communications services in 1993 - 94 (3/92).
5. Integrate and test the VISTAnet CMS, core NTA, and ATM switch (3/92).
6. Chair Broadband Project Team meetings (ongoing).
7. Present tutorial on "High Speed Communications Systems Standards" at OFC92 (2/92).
8. Present talk on ATM at National ISDN Users Forum (2/92).
9. Meet with Thompson CSF to discuss their ATM products (1/92).
10. Present talk on Broadband ISDN at DOD Fiber Optics Conference (3/92).
11. Participate as a member of the Technical Program Committee for the 2nd International B-ISDN Technical Workshop (3/92).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Provided direction and feedback to group members through regular individual meetings.
2. Submitted technical contributions on congestion control and traffic management to T1S1 meetings resulting in U.S. contributions to CCITT; represented the U.S. at the CCITT meeting (12/2 - 13).
3. Participated in the analysis of the SMDS RFP responses and selection of a vendor for SMDS market trials.
4. Completed a comparative study of the Fast Reservation Protocol proposed by France Telecom and Explicit Forward Congestion Notification.
5. Chaired Broadband Project Team meetings (10/23 and 11/21) and participated in NOA meeting (10/23).
6. Participated in Bellcore Reverse Rotational meeting (10/4).
7. Met with WilTel to discuss SMDS and Frame Relay opportunities.
8. Participated in Quality meeting (10/25) and *Achieving Peak Performance* course (10/28 - 31).
9. Met with Fujitsu to discuss possible extensions to VISTAnet and MICA field trials (11/1).
10. Met with Siemens(11/7) and Stratacom (11/15) to discuss their product evolution plans (11/7).
11. Met with Fujitsu to discuss the status of VISTAnet (11/13).
12. Presented BellSouth's network evolution plans to Wachovia at the request of Marketing (11/18).
13. Co-authored paper with Fujitsu and John Loop entitled "High Performance Applications Development for B-ISDN" and co-authored paper with Niel Ransom and Ravi Damodaram entitled "Evolving BellSouth's Network to B-ISDN" for ISS'92.
14. Submitted tutorial entitled "High Speed Communications Systems Standards" to OFC92.
15. Co-authored paper with Brad Makrucki entitled "Forward Congestion Notification Control" and paper with Bill Rice entitled "What's New in B-ISDN Standards" for TriComm Conference on High Speed Networks.
16. Co-authored paper with Brad Makrucki entitled "Forward Congestion Notification in ATM Networks" for the IFIP Broadband Workshop.
17. Co-authored paper with Niel Ransom entitled "Gigabit Applications" for IEEE Network Magazine.
18. Co-authored paper with Kathy Talman entitled "Broadband ISDN: A Fiber-Based Standard for Multiple Services" for DOD Fiber Optics Conference.
19. Presented seminar entitled "Broadband ISDN Standards and Network Evolution Plans" at Georgia Tech.

Supervisor's Signature	Title	Date
	Director	
	Research Manager	2/3/92

☐ Employee comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	4/1/92 - 6/30/92

A. COMMITMENTS FOR QUARTER

1. Provide direction and feedback to group members through regular individual meetings (ongoing).
2. Manage BellSouth involvement in B-ISDN standards and submit technical contributions to T1S1 and CCITT to accelerate their completion (ongoing).
3. Complete Phase 1 of BellSouth's Broadband Network Fundamental Plan study jointly with Marketing and Network Planning (4/92) and complete draft of Phase 2 study results (6/92).
4. Issue an RFP for a multi-services platform supporting SMDS, Frame Relay, and ATM Cell Relay (6/92).
5. Integrate and test the VISTAnet CMS, core NTA, and ATM switch (6/92).
6. Represent BellSouth at Broadband Project Team (BPT) meetings (ongoing).
7. Participate in the 2nd International B-ISDN Technical Workshop in Miyazaki, Japan (4/92).
8. Meet with Fujitsu in Japan to discuss their B-ISDN switch capabilities and video research(4/92).
9. Present tutorial on "High Speed Network Technology" at NFOEC (4/92), talk on "Technology Evolution to B-ISDN" at the Technology Forecasting Conference (4/92), and talk on "Wide Area Networking Technology" at Georgia Tech (5/92) and at ICA (5/92).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Provided direction and feedback to group members through regular individual meetings and provided performance review feedback and career counseling to group members.
2. Managed BellSouth involvement in B-ISDN standards and submitted technical contributions to T1S1 and CCITT to accelerate their completion.
3. Initiated the Broadband Platform Study with Network Planning and Marketing, presented the study proposal to the Technology Deployment Board (2/14), and completed a draft of the Phase 1 study results.
4. Completed testing of the interface between the core NTA and the CMS for VISTAnet.
5. Managed development of SS7 Network Analysis Program.
6. Met with NC State Gov. (1/21) and NC planners (2/7, 3/10) to discuss the NC State Gov. network design.
7. Chaired BPT meetings (1/29, 3/11), completed BPT paper entitled "Evolving the Network to B-ISDN", turned over chair position to Pacific Bell, and made presentations to NOA (1/14, 2/11,12).
8. Met with Thompson CSF (1/31) and Loral Data Systems (3/20) to discuss their ATM products.
9. Met with Fujitsu to discuss VISTAnet (1/10), Siemens to discuss the evolution of the DCO (2/18), Fujitsu to discuss testing of SMDS on the FETEX-150 (2/19), NTI to discuss their switch processor evolution (2/20), AT&T to discuss their broadband plans (2/26), AT&T to discuss their SMDS architecture and video work plans (3/12), and Sprint to discuss their support of SMDS (2/21).
10. Met with Steve Walters to discuss the direction of Bellcore's B-ISDN Phase 1 product (3/19).
11. Presented talk entitled "Broadband ISDN" at DOD Fiber Optics Conference (3/24), talk entitled "Overview of ATM" at National ISDN Users Forum (2/27), and tutorial on "High Speed Communications Systems Standards" at OFC'92 (2/6).
12. Participated in the Technical Program Committee for the 2nd International B-ISDN Technical Workshop.
13. Attended INA Symposium (1/15,16).
14. Participated on BellSouth's AT&T Expert Team (1/17, 2/5, 3/4).
15. At the request of marketing, presented talk on BellSouth network evolution to Emory University (1/22), Hughes (3/19), and to marketing representatives (2/26).
16. Represented BellSouth at VISTAnet council meeting (1/27).
17. Provided technical assistance on broadband services for Olympics planning (2/5, 3/4, 3/25).
18. Completed a draft of a paper on the network implications of a home controller.
19. Initiated interactions with Georgia network planners on broadband services (3/27).
20. Met with NYNEX to initiate joint work on SMDS and B-ISDN testing and operations planning (3/31).

Supervisor's Signature	Title	Date
	Director	4/25/92
	Title Research Manager	4/17/92

☐ Employee comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	1/1/93 - 3/31/93

A. COMMITMENTS FOR THIS QUARTER

1. Order ATM multi-services switch for S&T lab (1/93).
2. Complete a white paper with Herb Cash, Dick Dodd, and Mike Robey on BellSouth's broadband network plans for Jones/Ferguson (1/93).
3. Hire candidate for RE opening in group (3/93).
4. Complete Distance Learning Service Description - Issue 1 (3/93).
5. Complete first draft of Distance Learning Service Mapping Document (3/93).
6. Complete a plan for developing an AIN SCP performance model (3/93).
7. Complete BellSouth's broadband operations plan (3/93).
8. Complete a memo on ATM CPE products (3/93).
9. Provide support as required for the FNS II study teams.
10. Provide technical support as required for the NC broadband initiative.
11. Serve as IP Coordinator and manage patent filings for Network.
12. Initiate interactions between Fujitsu and NTT regarding the NC broadband initiative (1/93).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Completed first draft of Distance Learning Service Description for the NC broadband initiative.
2. Contributed to meetings on the FNS II Complex Business (10/5, 10/10, 10/19, 10/20, 10/26, 11/4, 12/11), FNS II Residential Broadband(12/14), FNS II Interconnection(12/9), Seedbed (10/6, 10/13, 11/5), and EVAT (10/28).
3. Provided technical support for the NC State Government broadband project.
4. Met with CCI regarding home controller issues (10/7).
5. Met with BSAN (10/14) to discuss Project Electra.
6. Met with NTT (10/13, 12/1) to discuss video and service multiplexer for NC broadband initiative. Met with Fujitsu (12/17) to discuss NTT role in NC Broadband Initiative.
7. Met with BellSouth AVPs to finalize ATM Broadband Multi-Services RFP selection (10/12).
8. Met with Raynet (10/15) to discuss their broadband FITL evolution plans.
9. Participated in AT&T Expert Team meeting (10/14).
10. Initiated joint work between ATSEC and SANAC on broadband aspects of AIN.
11. Met with ONI to discuss their VDT capabilities (10/23).
12. Met with IBM France (11/2) to discuss their ATM plans.
13. Met with WilTel (11/6) and MCI (12/7) to discuss joint SMDS/ATM activities.
14. Initiated meetings to begin broadband operations planning (11/18, 11/24)
15. Represented Network at IP Coordinators meeting (11/10), participated in Innovations Awards meeting (11/5), and met with Walt Williamson to initiate a "Right-to-Use" study for AIN services (10/16)
16. Met with Bellcore to provide feedback on ATM Prospectus (11/17).
17. Interviewed candidates for RE opening in group and made candidate an offer, which unfortunately was rejected for personal reasons.
18. Represented BellSouth at BPT meeting (11/19).
19. Gave talk "Broadband Services and Technologies - A BellSouth Perspective" at Bellcore (11/20).
20. Met with AT&T to discuss their ATM cross connect produced for NTT (11/30).
21. Met with NYNEX to discuss joint work on broadband operations (11/2).
22. Taught half-day class on broadband for two all-BellSouth sessions of ATI (12/3, 12/10).
23. Met with Bob Thompson of UNC to discuss follow-on to MICA (12/11).
24. Met with CCSP to discuss their BellSouth-funded research and attended VISTAnet luncheon (12/15).
25. Met with Hitachi to discuss ATM service multiplexer (12/17).
26. Met with Ken Hawkins to bring him up to speed on the NC State Government Initiative (12/16).

Supervisor's Signature	Title	Date
	Director	1/14/93
	Title	Date
	Research Manager	1/14/93

☐ Employee comments on reverse side

Employee Quarterly Report

Name:	Title: **Research Manager**	Commitment Period	**1Q93**

A. COMMITMENTS FOR NEXT QUARTER

1. Lead Residential Broadband effort.

2. Investigate wide range of pilot options (including exploratory interviews with potential partners) developing strategy for which kind or kinds are most in BellSouth's interest.

3. Deepen understanding of critical business drivers.

4. Identify and evaluate alternative strategies for entering VDT (e.g., nontraditional partnerships).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Customer Programmability (CP): Finalized contract with AT&T on AIN Programmability joint work. Managed production (with Ron Wojcik of final draft of the Basic AIN Programmability service concept document).

2. ADSI: Initiated exploratory sessions with Peter Olson (co-founder of OCTEL) and developed (w/ Mktg) proposal for incorporating OCTEL into the ADSI info Services trial in 1993/94.

3. HIS: Completed work on architectural aspects of HIS.

4. NCF: Chaired Residential Services session at NCF.

5. Innovation Lab: Managed effort which resulted in turn-up of 30 External Customers onto Innovation Lab PNC service.

6. FNS Small Business Future Needs:. Lead FNS Small Business Future Needs team to produce document synthesizing information learned through outside speakers into implications and recommendations for BellSouth. including product development directions in the intermediate and long term. Gave presentation on implications of work to the VPs.

Supervisor's Signature	Title	Date
Employ	Title Research Manager	Date 1/14/93

291

Employee Quarterly Report

Name:	Title: **Research Manager**	Commitment Period **1Q93**

A. COMMITMENTS FOR NEXT QUARTER

1. Lead Residential Broadband effort.

2. Investigate wide range of pilot options (including exploratory interviews with potential partners) developing strategy for which kind or kinds are most in BellSouth's interest.

3. Deepen understanding of critical business drivers.

4. Identify and evaluate alternative strategies for entering VDT (e.g., nontraditional partnerships).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Customer Programmability (CP): Finalized contract with AT&T on AIN Programmability joint work. Managed production (with Ron Wojcik of final draft of the Basic AIN Programmability service concept document).

2. ADSI: Initiated exploratory sessions with Peter Olson (co-founder of OCTEL) and developed (w/ Mktg) proposal for incorporating OCTEL into the ADSI Info Services trial in 1993/94.

3. HIS: Completed work on architectural aspects of HIS.

4. NCF: Chaired Residential Services session at NCF.

5. Innovation Lab: Managed effort which resulted in turn-up of 30 External Customers onto Innovation Lab PNC service.

6. FNS Small Business Future Needs:. Lead FNS Small Business Future Needs team to produce document synthesizing information learned through outside speakers into implications and recommendations for BellSouth, including product development directions in the intermediate and long term. Gave presentation on implications of work to the VPs.

Supervisor's Signature	Title	Date
Employee	Title Research Manager	Date 1/14/93

QUARTERLY REPORT
4th Quarter 1991

3   *Name:*   *Title:* **Research Manager**

Group: **Advanced Service Concepts**

A.   COMMITMENTS for 4Q91

1. Lead technical team In analysis of prospective Joint venture with USA (until December 1).

2. Secure production of "living" list of committed or considered AIN services.

3. Hire RE to work on evolution to Enhanced Messaging Environment. Hire Human Factors RE.

4. Represent BellSouth at CASP and continue to improve process for processing of Information within BellSouth.

5. Continue participation In OM committee addressing Service Concept Development process. Initiate process.

6. Manage ongoing work on PNC Service, Transactional Telephone, Display-based Services for Small Business, Specifications fro Residential Display-based Services, Remote Eduction, HF Research.

B.   ACCOMPLISHMENTS for 3Q91

1. Finalized agreement on Service Prioritization Process.

2. Managed ongoing work on AIN Services Concepts, ISDN Applications for General Business, Specifications for Residential Display-based Services, Display-based Services for Small Business, Remote Education, HF Research.

3. Represented BellSouth at CASP.

4. Produced paper for ISS 92.

FOIKOIM 009289
C (89)

3 Name: _____   *Title:* Research Manager

Group: Advanced Service Concepts

A. COMMITMENTS for 3Q91

1. Secure production of "living" list of committed or considered AIN Services.

2. Develop plan for evolution to Enhanced Messaging Environment.

3. Secure agreement with AT&T to *non-disclosure* document for participating in Res Display-based Svcs Spec work.

4. Represent BellSouth at CASP and *continue to improve process for processing of* information within BellSouth.

5. Continue participation in OM committee addressing Service Concept Development prodess. Finalize agreement on svc prioritization process. Initiate work toward determining appropriate overlay of Bellcore process with BellSo process.

6. Ensure completion of contract negotiations with AT&T on ISDN Apps for Gen Bus.

7. Produce paper for ISS92.

8. Manage ongoing work on PNC Service, ISDN Applications for Gen Bus, Display-based Svcs for Small Bus, Specifications for Residential Display-based Services, Remote Education, HF Research.

B. ACCOMPLISHMENTS for 2Q91

1. Socialized and secured agreement to need for "living" list of committed or considered AIN Services.

2. Secured plan for continued work toward PNC refinement.

3. Secured agreement with AT&T to participate in Residential Display-based Services Specification team.

4. Represented BellSouth at CASP.

5. Began participation in OM committee addressing Service Concept Development prodess. Secured agreement to mission, division of responsibility between OM and PG5 group. Produced strawman flow for Svc Concept Development.

6. Managed ongoing work on AIN Services Concepts, ISDN Applications for Gen Bus, Specifications for Residential Display-based Services, Display-based Svcs for Small Bus, Remote Education, HF Research.

C(90)

QUARTERLY REPORT
2nd Quarter 1991

3   *Name:* _____   *Title:* **Research Manager**

Group: **Advanced Service Concepts**

A.   COMMITMENTS for 2Q91

1.   Secure production of "living" list of committed or considered AIN Services.

2.   Secure plan for continued work toward PNC refinement.

3.   Secure agreement with AT&T to participate in Res Display-based Svcs Spec work.

4.   Represent BellSouth at CASP and continue to improve process for processing of information within BellSouth.

5.   Begin participation in OM committee addressing Service Concept Development prodess. Secure agreement to set of objectives. Initiate work toward adoption of Bellcore's OP/OA/Prospectus process. adoption of CASP's svc prioritization process. Initiate work toward determining appropriate overlay of Bellcore process with BellSo process.

6.   Ensure completion of contract negotiations with AT&T on ISDN Apps for Gen Bus.

7.   Manage ongoing work on ISDN Applications for Gen Bus, Display-based Svcs for Small Bus, Remote Education, HF Research.

B.   ACCOMPLISHMENTS for 1Q91

1.   Represented BellSouth at and served as chair of CASP through Jan 91.

2.   Completed contract negotiations for SESAME Trial.

3.   Secured plan for joint research activity with Bellcore AT on Distributed White Board.

4.   Secured agreement with NTI for further joint work on Display-based Svcs for Gen Bus.

5.   Secured (with other OMs) plan for pursuing PNC Service - teaming MR, Svc Concept Generation, HF Engineering, Svc Spec production, & Software Dev. Specifically, initiated MR involvement, secured MROC funding, worked with others to develop schedule of activities.

6.   Secured agreement to finalization of CASP svcs prioritization mechanism.

C-(91)

Employee Quarterly Report

Name:	Title: Research Manager	Commitment Period	1Q92

4

A. COMMITMENTS FOR NEXT QUARTER

1. Secure BellSouth prioritization to all Bellcore OAs and Prospectuses within the Concept Development committee. Generate OA (with MR) on Voice Mail Log (for development on the ASPIN) and secure CDC ranking. Generate OPs on new AIN services.

2. Represent BellSouth at CASP. Continue to improve CASP effectiveness and BellSouth utilization of CASP information.

3. Complete contract negotiations and initiate work with MR on Residential ISDN services and the evolution of other residential services to this environment.

4. Secure BellSouth-wide (BST &BSE) plan for PNC deployment. Manage efforts on usability study, documentation of technical component of OA/Prospectus.

5. Initiate discussions within CDC and upper management on QFD concept.

6. Ensure completion and issuance of ADSI TA.

7. Manage evaluation of 384 kbps video compression technology.

8. Ensure multi-media conferencing system operational between Atlanta and B'ham.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Led technical team in analysis of prospective joint venture with IUSA. (Opportunity looked to be extremely promising.) Presented findings to BSE Officers and to IUSA Executives.

2. Managed BellSouth successful efforts to secure ADSI TA and CPE Guidelines. (TA and guidelines to be released Jan 92. No objections from either regions or AT&T/NTI.)

3. Directed S&T work on agreement to a new concept development process. (Process mechanics have been defined. Process has been initiated.)

4. Ensured completion of the simulation/prototype for analog display services for the small business community and support of the market research field work.

5. Established needs for effective new product development approach. (Draft of research paper on Quality Function Deployment completed for review and discussion.)

6. Hired ARE to work on the evolution to Enhanced Messaging.

Supervisor's Signature	Title	Date
Employee Signature	Title Research Manager	Date 1-29-92

33

295

C (92)

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	1/1/93-3/31/93

1Q 1993 Commitments:

In support of continuing FNS activities, complete and publish internally by March 30 a rebuttal to the MCI Open Network proposal outlining the BellSouth proposals of AIN openness.

In support of the P&E activities for AIN, publish engineering guidelines for the Service Node and SCP for the ANC and PNC services by March 30.

Finalize both the Release 3 (January 15) and Release 4 (April 15) priority feature lists for the SN and SCP and present them to AT&T.

Initiate discussions with Marketing on new service opportunities and foster agreement on a plan for   velopment by March 30.

Develop draft strategy for Operations in an open AIN environment and begin socialization of concepts internally by end of first quarter.

Complete work on long term architectural proposal for SMS and begin a planning process to determine the appropriate evolution of the BellSouth SMS capability.

Complete AIN 0.2 priority lists for BellSouth/Ameritech (both call processing and OA&M) and socialize those priorities with vendors. Support contract negotiations with AT&T and NTI for AIN 0.1 and 0.2 feature software.

4Q 1992 Accomplishments:

Enhanced cost models for PNC services under various architectural scenarios to support pricing activities.

Developed first draft of a paper articulating the BellSouth approach to AIN openness suitable for filing with the FCC.

Completed an AIN 0.2 operations strategy proposal with a detailed analysis of feature requirements through 1996.

Completed an analysis the BellSouth SS7 network design through the end of the decade. Recommendation to be presented in January that the SS7 architecture should remain unchanged.

Completed the first stage of analysis of a long term architectural proposal for SMS. A second stage to find existence proofs of all proposals will occur in the first quarter.

Reached an agreement with AT&T on early development of critical AIN 0.2 features for 1994 availability. Work on a contract for a longer term agreement is underway.

Supervisor's Signature	Title _Elec Dev._	Date _1-28-93_
Employee Signature	Title _Research Manager_	Date _1-14-93_

☐ Employee comments on reverse side

2Q 1991 Commitments:

Direct vendor and Bellcore interaction on the published draft AIN Release 0.1 requirements documents. Support use of the documents as the basis of the 'marketable and maintainable' subset of AIN for 1993 deployment.

Publish first drafts of AIN 0.2 specifications outlining requirements for 1994 deployment to include display management, customer access to network databases, customer access to AIN features (SCAI), and remote SN/IP support of SCP controlled services.

Publish second drafts of the AIN Architecture and AIN Operations Planning documents, incorporate comments, and publish the final documents by the end of June.

Support development of requirements and specifications for SMS by Logica Associates. Detail functionality of SMS in the Operations Plan, and insure that all essential operations functions for AIN are covered in SMS or elsewhere.

Develop scenarios for AIN support of softkey managed services and for AIN support of personal communications.

1Q 1991 Accomplishments:

Directed production of draft versions of the AIN Architecture and Operations Planning documents. Documents were distributed internally for comment and review.

Completed and published draft requirements for TR-402 extensions for AIN (Release 0.1) both for switch features and for the SSP-SCP interface.

Provided supervision and input to standards participation efforts for AIN, SCAI, and the new Personal Communications standards committees.

Established an informal joint Marketing-Network "strategic planning committee" to discuss service development priorities for AIN and related network platforms.

Completed 1990 appraisals for each of my subordinates, and established with each a program for personal development.

3

3Q 1991 Commitments:

Complete initial drafts of AIN 0.2 specifications outlining requirements for 1994 deployment to include display management, customer access to network databases, customer access to AIN features (SCAI), and remote SN/IP support of SCP controlled services.

Complete initial draft of the incremental requirements for converting the BellSouth SCP to AIN 0.1 capabilities.

Support development of AIN SMS feature specification documents. Five of my personnel will be devoted to this effort led by Ron Wojcik for the third and fourth quarters. Support completion of an initial view of the SMS requirements for two services, ANC and CNAM by the beginning of the fourth quarter.

Continue to study transition issues for AIN Rls 0 to Rls 0.1 transition. Ensure through negotiations with Bellcore that the "Issue 2" Technical Advisories for AIN incorporate BellSouth's needs for transition.

2Q 1991 Accomplishments:

Directed vendor and Bellcore interaction on the published draft AIN Release 0.1 requirements documents. Incorporated vendor comments and prepared final documents for publication. Vendor comments indicate that each vendor plans to build to the specification. As such, the specification will have a significant impact on the ultimate results of the AIN 'Y0" effort.

Published second drafts of the AIN Architecture and AIN Operations Planning documents, incorporated comments, and prepared the documents for final publication in early July.

Supported development of requirements and specifications for SMS by Logica Associates. Detailed functionality of SMS in the Operations Technical Plan, and worked to ensure that all essential operations functions for AIN are covered in SMS or elsewhere.

Conducted a series of meetings with peer groups in operations, engineering, and planning to articulate the scope of the SMS requirements effort that should be underway.

Began analysis of issues associated with SS7 operations and management including determinations of appropriate methods of subsystem number assignment, data collection and analysis by SEAS, etc.

3

4Q 1991 Commitments:

Complete initial drafts of AIN 0.2 specifications outlining requirements for 1994 deployment to include display management, customer access to network databases, customer access to AIN features (SCAI), and remote SN/IP support of SCP controlled services.

Complete initial draft of the incremental requirements for converting the BellSouth SCP to AIN 0.1 capabilities.

Continue to study transition issues for AIN Rls 0 to Rls 0.1 transition. Ensure through negotiations with Bellcore that the "Issue 2" Technical Advisories for AIN incorporate BellSouth's needs for transition.

Complete detailed technical analysis of the alternatives for providing an open AIN architecture and publish the results of the joint marketing-network task force on the subject.

Work directly with Bellcore AIN operations personnel to ensure that they understand the BellSouth paradigm for AIN and that their work is consistent with our needs. Establish a series of joint work sessions to ensure that the BellSouth operations philosophies find their way into Bellcore documentation.

Begin a second effort to get AIN Planning and Engineering activity for AIN underway given the loss of all experienced personnel either to retirement or transfer to other projects.

3Q 1991 Accomplishments:

Supported development of AIN SMS feature specification documents. Five of my personnel were devoted to this effort led by Ron Wojcik.

Successfully led AIN Admin Team and Bellcore effort to define a 1993 "marketable and maintainable" AIN that is consistent with the BellSouth 0.1 AIN specifications. Bellcore announced their intention in the November Bellcore digest to publish 0.1 AIN specifications based on the BellSouth documents.

Published final drafts of the AIN Architecture and AIN Operations Planning documents.

Completed analysis of issues associated with SS7 operations and management including determinations of appropriate methods of subsystem number assignment, data collection and analysis by SEAS, etc. Provided analysis document to Bellcore suggesting substantial changes in the current methods for the use and assignment of SS7 subsystem numbers.

FOIKOIM 009332

C (96)

3

1Q 1992 Commitments:

Begin a detailed analysis of SS7 architecture issues in an advanced AIN environment. Study performance and other issues and develop recommendations for, specifically, how BellSouth should plan, engineer, and transition the SS7 network. This is likely a year long effort, with a potential interim readout in mid-year.

Provide technical support to the corporate effort to develop a response to the FCC NOI on Intelligent Network and other future network architectures.

Support definition of service opportunities for BellSouth in the utilization of AIN to support personal communications. Specifically, continue work with Bellcore to define an 1993 PCS/AIN trial opportunity.

Continue work on AIN 0.2 specification efforts by attempting to direct Bellcore's work in this regard. If Bellcore's work proves inadequate, supplement it with BellSouth original work.

Conduct an analysis of STP features to determine feature requirements necessary for the support of AIN and AIN transitions.

Seek suitable candidates and fill two of four openings within my group for 1992.

4Q 1991 Accomplishments:

Established a series of meetings with Bellcore to discuss the features and characteristics of the BellSouth 0.1 SCP. Bellcore has agreed to develop requirements for the SCP rather than have BellSouth publish independent requirements.

Supervised study of issues for AIN Rls 0 to Rls 0.1 transition. Published draft TM outlining procedures and SS7 features needed to support transition from one AIN release to the next.

Supervised completion of detailed technical analyses of the alternatives for providing an open AIN architecture and published the results of the joint marketing-network task force on the subject.

Established a series of joint work sessions with Bellcore AIN operations personnel to ensure that they understand the BellSouth paradigm for AIN and to ensure that the BellSouth operations philosophies find their way into Bellcore documentation.

Established a second effort to get AIN Planning and Engineering activity for AIN underway given the loss of all experienced personnel either to retirement or transfer to other projects.

4O

Employee   Executive Director

□ Comments on Reverse

FBIK81N 009136 C (97)

Quarterly Report -Fourth Quarter 1991

Director - ATDC

• Fourth Quarter 1991 - ATDC Organizational Significant Commitments

1. Recruiting - Define 1992 recruiting needs(Oct). Identify and make offers to candidates for all 1991 ATDC positions(Dec).

2. Software Development Environment - Complete installation of the ASPIN beta and SCP prototype systems (Oct). Define process flow and responsibilities within ATDC for AIN software distribution and deployment(Dec). Integrate beta versions of AT&T SCE into ATDC computing environment (Oct-Dec)

3. Platform Testing - Do regression testing(Oct), performance testing(Oct) and continuous running tests(Nov) of ASPIN beta. Create and execute initial SCP performance test (Nov).

4. Area Number Calling Development - Review ANC feature design and subsystem design documents(Nov). Develop and demonstrate a partial version on the SCP prototype(Dec).

5. Calling Name Development - Review CNAM requirements; publish preliminary feature design(Dec), subsystem designs(Dec), and system test case abstracts(Dec).

6. Personal Number Calling - Refine PNC requirements; develop and demonstrate a partial version on the beta ASPIN(Dec).

7. Computer Access Restriction - Review CAR requirements documents and publish preliminary capabilities mapping(Nov) and preliminary system test case abstract documents(Dec).

8. Software Development Process Definition - Release the latest versions of the Software Development Process documents as a total package(Dec).

• Third Quarter 1991 - ATDC Organizational Significant Accomplishments

1. Recruiting - Interviewed 16 candidates; made offers to 7 candidates; hired and brought on board 4 candidates; had 1 candidate decline our offer and have 2 offers outstanding.

2. Software Development Environment - Completed validation of AT&T prototype ADE Tools as Available. Implemented Amplify scripts and user interface modifications to support management and building of SLL programs. Limitations in the existing tools did not allow the completion of the prototype SLL service package configuration management environment. Reviewed and baselined software configuration management tool requirements.

3. Platform Testing - Produced draft implementation plan for test case management system, and completed second pass ASPIN prototype platform testing including 2 continuous running tests and initial performance tests.

4. Area Number Calling Development - Published the second version of the ANC feature design and subsystem design documents, and published the first version of the ANC system test plans and requirement mappings.

5. Personal Number Calling Development - Developed the service concept and mapping documents and the initial feature design document from the new service concept.

6. Process Definition - Published updated versions of the SLL Design and Coding Standards and project management standards.

7. AIN Coordination - Managed the AT&T/ BellSouth AIN meetings; Held first pay grade 7 AIN review; participated in the AIN project management and the AIN Strategy planning meetings. .

C (98)

BellSouth Services
Performance
Commitments

RF-8100-893
(1-90)
Page 2
Reverse

302

4

Name	Title Director ATDC
Location 41L74 - SBC	Year 1991

OUR RESPONSIBILITY
IS NOT DISCHARGED
BY THE ANNOUOUNCEMENT
OF VIRTUOUS ENDS

Note: As defined in Paragraphs 1.17-Significant and 2.05, some consideration
should be given to the extent to which job responsibilities not specifically
covered by commitments were fulfilled. The way a subordinate
accomplishes his/her commitments should also be reflected in the
assignment of the Performance Rating.

These commitments have been agreed upon by the supervisor and subordinate.

Employee Signature

Commitments	Employee		Date

Supervisor Signature

Commitments	Supervisor		Date

Reviews

First Quarter Performance	Performance Rating	Employee Initials	Date
Second Quarter Performance	Performance Rating	Employee Initials	Date
Third Quarter Performance	Performance Rating	Employee Initials	Date
End of Year Performance	Performance Rating	Employee Initials	Date

Reviews

First Quarter Performance	Supervisor		Date
Second Quarter Performance	Supervisor		Date
Third Quarter Performance	Supervisor		Date
End of Year Performance	Supervisor		Date

FOIKOIU 00934

C (99.

BellSouth Services
Performance Commitments

Employ:	Job Description No. Director - ATDC	Pay Grade 7	Supervisor D. A. Ketter		Review Period 1/1991 to 12/1991	

Commitments	First Qtr. Commitment	Result EX M NM SF	Second Qtr. Commitment	Result EX M NM SF	Third Qtr. Commitment	Result EX M NM SF	Year Commitment	Result EX M NM SF
Complete the initial level of recruiting for the ATDC	- provided input to 1991 hiring needs.		- provided input to 1991 hiring needs.		Interviewed 18 candidates; made offers to 7 candidates; hired and brought on board 4 candidates; had 1 candidate decline our offer and have 2 offers outstanding.			
Install the Essential software development environment for the development of the first AIN services	- Completed installation of 5E, DMS 100/200 and STP - Started installation of ASPIN prototype - Defined the essential environment and plan for implementation		- Completed installation of ASPIN Prototype and prototype SCE - Completed installation of SCP Network Model Began validation testing of AT&T prototype tools		Completed validation of proto-type tools -Reviewed and baselined software configuration management tool requirements			
Plan for and begin testing of the ASPIN and SCP platforms from a white box point of view	- Developed a testing strategy and plan for testing the ASPIN and the SCP platforms.		- Developed test plans for the first pass testing or the ASPIN prototype - Began testing ASPIN prototype		- Completed ASPIN prototype testing including 2 continuous running tests and initial perfor-mance tests.			
___ the ?	- Reviewed preliminary versions of the ___ ecifications - Revised Software Development Plans Completed design experiment		- Provided ANC demonstration on the SCP network Model - Completed initia. ___ ature Design.		- Completed second version - Published draft version of			

BellSouth Services
Performance Commitments

Employee	Job Description No. Director - ATDC	Pay Grade 7	Supervisor D. A. Ketler	Review Period 1/1991 to 12/1991

Commitments	First Qtr. Commitment	Result EX M NM SF	Second Qtr. Commitment	Result EX M NM SF	Third Qtr. Commitment	Result EX M NM SF	Year Commitment	Result EX M NM SF
[	- created		- Completed Feature Design and Module Design for Marketing trial - Provided ...monstration for the Marketing trial on the Network Model.		- Developed the service concept and mapping docu... for the second version ... - Start Feature Design and Module Design for the Technical Trial			
Support the development of the AIN architecture, new service ideas, and service requirements	- Revised Software Development Plans							
	- Identified people to support each area of the Operation Technical Plan - Met with Marketing on the process of feature prioritization	EX M NM SF	- Contributed as required to various sections of the AIN Architecture - Reviewed Service Specifications	EX M NM SF	- Reviewed AIN Operations Architecture Document. Reviewed Service Specifications	EX M NM SF		EX M NM SF
Complete the development of the first version of the Software Development Process.	- Complete the reviews on documents in the areas of Project Management, Software Quality Assurance.	EX M NM SF	- Release draft version of FSM coding Standards - Released notes on software distribution and configuration management.	EX M NM SF	Release updated versions of Project management and FSM coding standards.	EX M NM SF		EX M NM SF
AIN coordination and support	-Started the AT&T/ BellSouth AIN coordination meetings.	EX M NM SF	-Continued the AT&T/BellSouth AIN Coordination meetings - Initiated with RLC the monthly AIN Network/Marketing Strategy meetings.	EX M NM SF	-Continued the AT&T/ BellSouth AIN Coordination meetings. - Supported the AIN Network/ Marketing Strategy Meeting. - Held first AIN pay grade 7 AIN review Meeting.	EX M NM SF		EX M NM SF

Employee Quarterly Report

Name		Title Director-ATDC	Commitment Period	1Q92

A. COMMITMENTS FOR 1Q92

1. Recruiting - Continue recruiting of 1992 candidates. Provide input to additional 1992 hiring. Reorganize to establish a new RM group within the ATDC (Jan).

2. Software Development Test and Field Support Environment - Develop a testing architecture for an integrated, automated testing environment(Mar) and begin the implementation(Mar) for SCP platform testing and CNAM testing.

3. Calling Name Development - Provide final versions of the CNAM feature system designs, and system test plans.(Mar) Test the basic SMS - SCP communication transport mechanism (Feb).

4. Computer Access Restriction - Update Feature Design (Mar), Capabilities Mapping, and Test abstracts (Mar). Provide CAR prototype on Beta SCP (Mar).

5.

6.

7. Platform Testing - Organize a new testing group(Jan) and continue the evolution of the testing of the ASPIN and SCP (Jan-Mar).

B. ACCOMPLISHMENTS FOR 4Q91

1. Software Development Environment - Completed installation of the ASPIN beta, SCP prototype systems (Oct) and the SCP Beta system (Dec). Completed initial draft of process flow and responsibilities within ATDC for AIN software distribution and deployment(Dec).Integrated beta versions of AT&T SCE into ATDC computing environment (Oct-Dec)

2. Platform Testing - Did regression testing(Oct), performance testing(Oct) and continuous running tests(Nov) of ASPIN beta. Began the initial SCP performance test (Dec).

3.

4. Calling Name Development - Reviewed CNAM requirements; published preliminary feature design(Dec), subsystem designs(Dec), and system test case abstracts(Dec).

5.

6. Computer Access Restriction - Reviewed CAR requirements documents and published preliminary capabilities mapping(Dec) and preliminary system test case abstract documents(Dec).

7. Software Development Process Definition - Released the latest versions of the Software Development Process documents as a total package(Dec).

8. AIN Coordination - Provided primary leadership in the AT&T/BellSouth meetings; Continued and grew the AIN Directors meetings; supported the AIN project management and marketing/network meetings.

Supervisor's Signature		Title Eia Dir-S&T	Date 2/5/9)
Employee's Si		Title D.- ATDC	Date 2/4/92

☐ Employee's comments on reverse side

Employee Quarterly Report

Name	Title Director-ATDC	Commitment Period	1Q93

4

A. COMMITMENTS FOR 1Q93

1. Software Development Environment - Finalize requirements for test environment for ANC & PNC.(Feb) Complete implementation of SCM support for C++ platform code (Feb)

   AIN Laboratory Facilities - Complete installation of SEAS interface(Feb). Complete testing of MGTS 9.0 evaluation hardware & software.

3. SMS Development - Complete system testing of the CNAM SMS release 2 (Feb). Improve the detail of the plan for release 3(Feb) and release 4(Mar).

12 4.

14 5.

6. Basic AIN Programmability - Begin interaction with AT&T according to the contract.(Jan)

7. Platform Testing - Manage the preparation for the testing of the AT&T April delivery.

8. Innovation Lab - Provide ADSI prototypes for Supercom (Mar)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Recruiting - Finalized recruiting 1992 headcount. Started recruiting for SMS backfills, contract requirements, and 1993 needs.

2. Software Development Environment - Integrated AT&T releases into ATDC environment. Implemented phase 2 of Test Case Management System

3. AIN Laboratory Facilities - Provided upgrades and support for 5E, DMS100, SCP's, ASPIN's, and SMS's as required.

4. Calling Name Development - Provided support to NTT during the testing of CNAM and FOA installation.

5. SMS Development - Provided phase 1 CNAM SMS to NTT and the final version for the trial. Developed a draft plan for the follow on phases of the SMS.

29
30 6.

7. Field Support - Created and staffed the ATDC field support organization. Defined basic tier 4 support procedures. See also Calling Name Development.

8. Platform Testing - Develop SQE test plans for SCP and SCN rel 2. AT&T release 2 delayed the starting of the release 2 quality evaluation.

9. Innovation Lab - Supported the PNC trial. Developed ADSI prototypes.

10. Employee Development - Attended BellSouth Achieving Peak Performance Training course.

11. Software Development Process - Completed postmortem of CNAM develop and Addendum to the testing portion of the ATDC Software Development Process.

Supervisor Signature	Title Div.	Date 1-29/93
Er	Title	Date 1/15/93

40

Employee's comments on reverse side

Employee Quarterly Report

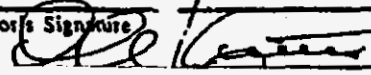| Name	Title	Commitment Period
	Director	1/1/93 - 3/31/93

4

A. COMMITMENTS FOR NEXT QUARTER

1. Complete VISTAnet turn up. (2/93)

2. For NC broadband deployment, complete Fetex-150 contract with Fujitsu, execute switch order (1/93), complete Distance Learning Service Description (3/93).

3. On SMDS/FR deployment, 4-city network ready for first customer (3/93).

4. On R-Net trial, complete contract with IBM/UT/OR (1/93), lab system operational (3/93).

5. Begin Colonnade wireless centrex trial. (2/93)

6. Advance BST network support of wireless carriers through (1) completion of BST project Plan for National Demo (2/93), (2) delivery of PNC requirements to ATDC (3/93).

7. Begin operation of desktop video trial. (2/93)

8. Hire two additional employees. (3/93)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Made offers for all remaining positions in ATSEC.

2. Issued report on Logica SMS assessment.

3. Achieved point-to-point service through VISTAnet network. Milestone celebration.

4. Prepare agenda for and made presentations at Fujitsu TF meeting.

5. Completed Broadband ISDN and SMDS / FR vendor selection. Provided final proposal to State of NC. NMLI network installed in field and operational.

6. Prepared proposal for S&T VDT work proposal.

7. Completed evaluation and select vendor for Native Mode LAN Interconnection.

8. Presented two talks at ISS and one at IEEE Computer Communications Workshop. Chaired Globecom session on Optical Switching.

9. Attended Achieving Peak Performance.

Supervisor's Signature	Title	Date
	Exec Dir	1/14/93
Empl	Director	1/15/93

29

☐ Employee comments on reverse side

307

3   *Name:* _____   *Title:* Director

Group: Advanced Technology Systems Engineering Center

A. COMMITMENTS FOR 4TH QUARTER 1991

1. Devise R&SE quarterly appraisal system which meets our needs and is acceptable to Human Relations. (10/91)

2. Develop agreement with NTI for wireless trials at Colonnade and Univ. of Florida. (12/91)

3. Initiate recruiting for AIN systems engineering openings. (10/91) Issue final draft of Calling Name Service Specification. (12/91)

4. On IBM joint research, issue joint Technical Project Statement (12/91), obtain BS commitment whether to proceed with trial at UT / Oak Ridge. (12/91)

5. Propose residential platform as part of the network evolution plan. (12/91)

6. For VISTAnet project, begin installation of Fujitsu broadband switch and NTAs. (11/91)

7. Determine plan for data networking trial with Clemson Univ., Pratt & Whitney, and NYNEX. (11/91)

8. Present paper on Gigabit Applications and workshop talk on Wireless Trials at Globecom '91. (12/91)

B. ACCOMPLISHMENTS FOR 3RD QUARTER 1991

1. Obtained agreements and developed plan for specifications of SMS services to be developed by ATSEC. Gained agreement for Calling Name to the the initial AIN service and issued Calling Name Service Concept.

2. Issued BellSouth Network Evolution report.

3. After review of current Motorola directions and commitments for near term trials, revised plan to pursue Univ. of Florida with NTI.

4. Issued SMDS RFP for systems to support field trial activity in 1992.

5. Reviewed VISTAnet and IBM projects with Bill Ferguson.

6. Gained S&T involvement in the Wholesale/Retail Project Team and the Out-of-Region Project Team. Review initial results of needs of wholesale / retail markets.

7. With corporate, devised strategy for BS Manufacturing Relief effort (reviewed by Technology Steering Committee).

8. Give presentation to Florida Network Planners on current technology directions.

9. Determined ATM strategies of Sun Microsystems and Apple Computer.

10. Chaired session at NCF '91. Completed Dale Carnegie course. Presented Gigabit Networking at the IBM Europe Institute.

308

3

Name: _____   *Title:* Director

Group: Advanced Technology Systems Engineering Center

A. COMMITMENTS FOR ~~2ND~~ **3RD** QUARTER 1991

1. Review VISTAnet and IBM projects with Bill Ferguson. (7/91)

2. Achieve internal agreement for responsibilities for SMS requirements. (7/91) Issue draft of SMS requirements (9/91).

3. Develop restructured wireless centrex trial plan with Motorola / Univ. of Florida. (8/91)

4. Represent NSP on the BS Wholesale/Retail Project Team, determine needs of wholesale / retail markets and determine gaps with current BS skills/competence. (9/91)

5. Continue support of BS Manufacturing Relief effort. Present proposed strategy to Technology Steering Committee. (9/91) Initiate support of the BellSouth Out-Region study. (7/91)

6. With BellSouth Marketing, define BellSouth strategy for frame relay. (9/91)

7. Complete BellSouth Network Evolution report. (8/91)

8. On IBM joint research, obtain BS commitment whether to proceed with trial at UT / Oak Ridge. (9/91)

9. Give presentation to Florida Network Planners on current technology directions. (7/90) Present talk at the IBM Europe Institute. (8/91) Complete Dale Carnegie course. (9/91)

B. ACCOMPLISHMENTS FOR ~~1ST~~ **2ND** QUARTER ~~1991~~ **1991**

1. Transitioned work of Concept Field Trials group from Bill Smith to Joey Simpson.

2. Developed proposed trial with IBM at Oak Ridge / Univ. of Tenn.

3. Issued for review the initial draft of the Network Evolution Plan.

4. Began trial of the Ericsson wireless equipment. Arranged for staffing of the Bellcore PCS study.

5. For AIN, negotiated firm set of deliverables for AIN service requirements. ANC Service Concept and Service Mapping put under change control, final FSD issued. CAR Service Concept final issued. PNC detailed feature list finalized. Negotiated decision to use SCAI approach to Record Retrieval.

6. As BST representative on Corporate Committee on Manufacturing relief, developed BellSouth strategy for preparing for Manufacturing Relief. Provided impact determination and counter arguments for proposed amendments of Senate Bill.

7. Enroled and completed 7 weeks of Dale Carnegie course. Competed BellSouth Personal Excellence course.

8. Arranged for speakers for wireless session at NCF and for optical switching session at Globecom '92. Served on standards panel at ICC '91.

C(106)

Employee Quarterly Report

Name	Title	Commitment Period
	Director	10/1/92 - 12/31/92

A. COMMITMENTS FOR NEXT QUARTER

1. Compete hiring for all remaining positions in ATSEC. (12/92)

2. Issue report on Logica SMS assessment. (10/92)

3. Turn up VISTAnet network (10/92).

4. Prepare agenda and presentations for Fujitsu TF meeting. (10/92)

5. Complete Broadband ISDN and SMDS / FR vendor selection. Provide final proposal to State of NC. (10/92)

6. Prepare proposal for S&T VDT work proposal. (11/92)

7. Complete evaluation and select vendor for Native Mode LAN Interconnection. Complete contract with IBM and UT/OR on broadband trial. (11/92)

8. Present two talks at ISS and one at ISS Computer Communications Workshop (10/92). Chair Globecom session on Optical Switching. (12/92)

9. Attend Achieving Peak Performance (10/92).

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1. Chaired USTA Technology Vision group. Issued final report.

2. Interviewed candidates and identified individual for Data RM Position. Negotiated agreement with BNR for on-site interviews.

3. Led Architectural Assessment of Logica SMS.

4. Performed assessment of BNR software restructure.

5. Served as "expert" for Institute for the Future session on future broadband services.

6. Lead Technology Sub-Unit of Complex Business Foundation Team. Established deliverables and identified technologies issues.

7. With Dick Dodd, initiated the BST Wireless Steering group to oversee BST activities in PCS. With Corporate, developed strategy for PCS NPRM response.

8. Completed desktop video trial proposal.

9. Identified technology alternatives and costs of Video Dial Tone strategies.

Supervisor's Signature	Title	Date
Original signed by DAK	DAK	
Employee Signature	Title	Date
Original signed by		

☐ Employee comments on reverse side

3   *Name:* _____   *Title:* Director

Group: Advanced Technology Systems Engineering Center

A. COMMITMENTS FOR 2ND QUARTER 1991

1. Continue establishment of BLS wireless strategy through Wireless Steering Committee. Begin trial of Ericsson equipment (5/91). Supply staff for Bellcore PCS study (6/91).

2. Negotiate firm set of deliverables for AIN service requirements. (5/91)

3. Develop agreed wireless centrex trial plan with Motorola / Univ. of Florida. (6/91)

4. Issue initial draft of Network Evolution Plan document. (5/91)

5. Resolve BellSouth participation in high-speed network trial with IBM at Oak Ridge / Univ. of Tenn. (5/91).

6. Begin study with BSC of BellSouth response to manufacturing relief. (5/91)

7. Transition RM replacement. (6/91)

8. Begin Dale Carnegie course (5/91), arrange speakers for NCF, arrange speakers for Globecom '92, attend BellSouth Personal Excellence course (6/91), serve at panel at ICC '91 (6/91).

B. ACCOMPLISHMENTS FOR 1ST QUARTER 1990

1. Filled RM position of Technical Specifications & Requirements group. Redirected work of around providing requirements for the ATDC (2/91).

2. For FTTL, resolved issues of use of 780 nm with AT&T.

3. For VISTAnet project, began negotiation with Sprint on their potential involvement, presented talk at Gigabit Networking Workshop.

5. Initiated IBM joint study through issuance of press release, specification of trial architecture, and negotiation of initial facility rqmts with SBT.

6. Completed design review of camera device with Sarnoff Research Center.

7. Executed contract with U. of Florida on SMDS research program. Work program now begun.

8. Identified potential joint trial with IBM at Oak Ridge / Univ. of Tenn.

9. For VISTAnet, completed circu⁻ design for control/measurement subsystem, hold project review with Fujitsu, presented paper at High-Performance Computing Workshop.

10. Completed phase 1 wireless centrex trial with GPT CT-2 product; ordered equipment for phase 2 of wireless centrex trial; began negotiation with Motorola of potential wireless trial at Univ. of Florida.

C (108)

Employee Quarterly Report

Name	Title		Commitment Period	
	RM		1Q93	

A. COMMITMENTS FOR NEXT QUARTER

1: Continue to develop AIN Services that are profitable to BellSouth and economically attractive to our customers.

1-1 Provide

1-2 Provide

1-3 Support CNAM/CAR/ANC product teams (Ongoing)

1-4 Provide Final Draft Long Term SMS Architecture/Customer Requirements. (3/93)

1-5 Provide Change Control Basic AIN Programmability Service Concept (2/93)

2: Develop Services and network capabilities, including AIN, that PCS providers will find attractive.

2-1 Provide BST

2-2 Provide

2-3 Provide

2-4 Baseline

3: Improve equipment quality and lower expense through interaction.

3-1 Revisit and document SS7 strategy in CCS Support group and T1S1.3. (3/93)

3-2 Define and execute specifications quality improvement program. (Ongoing)

4: Gain acceptance for one new hire. (3/93)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1: Continue to develop AIN Services that are profitable to BellSouth and economically attractive to our customers.

1-1 Developed and executed plan resulting in BST Record of Implementations for Releases 1 and 2, negotiating content and delivery date consistency with end users. Provided technical support to Logica contract termination settlement.

1-2 Reissued ANC SCP FSD. Led successful effort on ANC Negotiator Customer-Supplier agreement and supported requirements effort as committed.

1-3 Provided Final Draft Basic AIN Programmability Service Concept, leading effort with Marketing/FNS Team to establish service scope and define success path for provision.

1-4 Provided technical support to CNAM/CAR/ANC product teams addressing interLATA extensions.

Supervisor's Signature	Title	Date
original signed by MNR		
Employee's Signature	Title	Date
original signed by		

☐ Employee's comments on reverse side

312

C (109)

Employee Quarterly Report

Name	Title	Commitment Period

1-5 Provided Final Draft ANC FOA BST SMS Specification Draft. Documented functionality required by ANC on the SMS-NE interface and reviewed material with AT&T developers.

1-6 Supported effort on Long Term SMS Architecture, assessing Logica and BST SMS architectures (report sections provided) and coauthoring Issue 1 draft of larger study results.

2: Develop Services and network capabilities, including AIN, that PCS providers will find attractive.

2-1 Provided Change Control Wholesale PNC Service Mapping and Final Draft SN/SCP FSD. Provided major support to product manager on FOA identification and autonomous registration.

2-2 Provided Final Draft Wholesale PNC2 Service Concept, identifying service scope and working buyin from Marketing.

2-3 Documented functionality required by Wholesale PNC1 on the SMS-NE interface and reviewed material with AT&T developers.

3:Improve equipment quality and lower expense through interaction.

3-1 Provided extensive review comments on 5 Bellcore TA/TR's. Provided strong technical leadership within BellSouth/Bellcore/T1S1 on SCCP ISNI; CTIA RFP; SSN-related issues; and Siemens & Ericsson generic offerings.

4: Gained acceptance for one new hire.

5. Presented paper in IN session at ISS'92 in Yokohama, Japan. Chaired session in IEEE Feature Interactions Workshop.

Supervisor's Signature	Title	Date
Employee's Signature	Title	Date

☐ Employee's comments on reverse side

Employee Quarterly Report

Name	Title	RM	Commitment Period	4Q92

A. COMMITMENTS FOR NEXT QUARTER

1: Continue to develop AIN Services that are profitable to BellSouth and economically attractive to our customers.

1-1 Provide Change Control Phase 1 & Phase 2 BST SMS Record of Implementation. (12/92)

1-2 Support Calling Name Delivery specifications and work program.(Ongoing)

1-3 Provide updated Change Control Area Number Calling (ANC) SCP FSD. (11/92)

1-4 Provide Final Draft

1-5 Support Computer Access Restriction product team. (Ongoing)

1-6 Support InterLATA CNAM & CAR specifications needs. (12/92)

1-7 Provide Final Draft

1-8 Provide Final Draft

1-9 Provide Final Draft Long Term SMS Architecture/Customer Requirements. (12/92)

2: Develop Services and network capabilities, including AIN, that PCS providers will find attractive.

2-1 Provide Change Control Wholesale PNC Service Mapping. (11/92)

2-2 Provide Final Draft Wholesale PNC SCP/SN FSD. (12/92)

2-3 Provide Final Draft BST SMS Wholesale PNC First Office Application SSD (12/92).

2-4 Provide Change Control R2' SMS-SCP Interface Specification. (12/92)

2-5 Provide Change Control Wholesale PNC Service Concept. (12/92

3: Improve equipment quality and lower expense through interaction.

3-1 Execute documented SS7 strategy in CCS Support group and T1S1.3. (Ongoing)

3-2 Define and execute specifications quality improvement program. (12/92)

4: Gain acceptance for one new hire. (12/92)

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1: Continue to develop AIN Services that are profitable to BellSouth and economically attractive to our customers.

1-1 Met Release 1 SMS systems engineering support needs for 1) Quality Probe; 2) System Test Specifications review; 3) Performance specifications clarification; 4) Contract assessment. Provided upper management feedback and analysis of project status and alternatives. Communicated

Supervisor's Signature	Title		Date	11/19/92
	Title	All	Date	11/17/92

☐ Employee's comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period

BellSouth K3+/R1 mimimum needs for trial/deployment to Logica.

1-2 Reissued Calling Name Delivery SCP FSD. Reviewed measurements BSP and provided Product Team support.

1-3 Reissued _____. Provided Product Team support.

1-4 Provided Change Control R2 SMS-SCP Interface Specificatiion. Provided and reviewed two R3 SMS-SCP Interface specification drafts with AT&T/Logica.

1-5 Provided change control support of Computer Access Restriction SCP FSD and Service Mapping. Reviewed BSP measurements and provided Product Team Support.

1-6 Provided technical support to Interconnection Product Manager for CNAM & CAR.

1-7 Provided R2 Computer Access Restriction SMS SSD Initial Draft to BST IS/ Logica. Reviewed and commented on Logica CAR draft FS. Worked major scope issues on original R2 functionality. Developed and reviewed R2 subscription screens with IS and users. Defined Customer Access multi-release strategy and execution plan.

1-8 Developed customer supplier agreement for _____ currently out for signature.

1-9 Supported SMS Architecture review and SMS High Level design effort.

2: Develop Services and network capabilities, including AIN, that PCS providers will find attractive.

2-1 Provided Change Control Wholesale PNC Service Concept. Provided Final Draft Wholesale PNC Service Mapping. Provided major support to pricing effort.

2-2 Provided R2' SMS SSD Scoping Draft to support Wholesale PNC and ANC. Developed and staffed specifications plan to support BST SMS for FOA and GA of these services.

2-3 Provided (with Boyles) Initial Draft PNC-2 Service Concept Draft.

3:Improve equipment quality and lower expense through interaction.

3-1 Provided extensive review comments on six Bellcore TA/TR's. Resolved 5 major SS7-related issues in SS7 Support Group/T1S1.3. Analyzed and prioritized SS7 features for the SFEC.

3-2 Developed and documented Change Control process for specifications. ???

3-3 Evaluated AT&T Vissionaire and Visual basic tool packages for specifications use. Adopted Visual Basic for screen simulation work.

4: Gained acceptance for one new hire.

Supervisor's Signature	Title Director	Date 11/14/92
	Title CM	Date 11/17/92

☐ Employee'

2

Name _____ Title *Research Manager* Commitment Period 7 9 92

A. COMMITMENTS FOR NEXT QUARTER

1) Produce Change Control SMS CNAM FSD.

2) Produce Release 2 SMS-SCP Interface Specification with AT&T and Logica.

3) Develop and Document a Release 2 SMS Specification Project Plan.

4) Produce Change Control Calling Name Delivery Service Mapping and SCP FSD documents.

5) Produce Change Control Computer Access Restriction Service Mapping/Final Draft SCP FSD.

6) Initiate Area Number Calling and Personal Number Calling specification activities.

7) Identify and gain acceptance for SMS default alternatives and backup strategy.

8) Conduct post-mortem analysis of CNAM specification work and implement improvements.

9) Ensure SS7/ISDN standards and Bellcore activities advance BellSouth interests.

10) Identify and execute staffing plan for CAR/Release 2 SMS specifications.

11) Execute educational/conference personal development plan.

12) Execute interviews and gain acceptance for two new authorized positions.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

1) Reviewed Logica Functional Specification and Object-Oriented Model drafts. Flagged major project problems which Logica responded to by reassigning a more experienced project manager to manage this effort. Accepted Logica Version 2.0 documents formally for BellSouth.

2) Produced Interim Draft and Second Interim Draft SMS CNAM FSD documents.

3) Gained vendor acceptance of Release 1 CNAM SMS-SCP Interface Specification.

4) Supported Procurement on the Logica SMS contract negotiations.

5) Provided Final Draft Calling Name Delivery requirements, including the Final Draft Service Mapping and SCP FSD Specification Documents.

6) Established change control for the Computer Access Restriction Service Concept Document; provided the Final Draft of the Service Mapping & the Initial Draft of the SCP Specification.

7) Worked key issues involving end customer SMS access and routing/screening split.

8) Baselined final draft front-end specification process document.

Supervisor's Signature	Title *Director*	Date 2/19/92
Employee Signature	Title *Research Manager*	Date

F '401N 003155

C(113)

Fourth Quarter Commitments

1) Provide a final front-end specification process document which details the approach we are taking; review this document within the project, and formally baseline it.

2) Focus SMS and internal S&T efforts to identify and achieve critical project goals, including review and issue resolution planning for the Logica requirements work; production of a Final Draft Release 1 SMS FSD Specification; provision of support to contract-related efforts with Logica; Development of an Issue 2 SMS Release project plan; Initiation of Release 2 SMS-SCP Interface planning; and consensus development within Operations for the SMS Release 1 functionality and service specification.

3) Provide Final Draft Calling Name Delivery requirements, including the Final Draft Service Mapping and SCP FSD Specification Documents.

4) Support project development and interface definition efforts for the Area Number Calling service.

5) Establish change control for the Computer Access Restriction Service Concept Document; provide the Final Draft of the Service Mapping & the Initial Draft of the SCP Specification.

6) Review the draft white paper on Record Retrieval/SCAI and proactively develop a BellSouth consensus with marketing on the product market approach.

7) Ensure SS7 and ISDN standards support efforts meet expectations and advance BellSouth interests for both National ISDN and AIN, including execution of SS7 network simulation studies in conjunction with Bellcore to address SS7 survivability concerns related to timers.

8) Continue to monitor personnel assignments to ensure efforts of staff properly directed given changing market picture and service opportunities, as well as personal career objectives and needs.

9) Execute educational/conference personal development plan.

Third Quarter Accomplishments

1) Drafted front-end specification process memorandum for review within District. Drafted resource requirements template for arbitrary ASPIN/SCP services. Developed staffing plan for

production level specification efforts for both ASPIN/SCP and SMS, including services, platform and interface work.

2) Proactively contributed to SMS Steering Committee and Marketing Strategy Team efforts. Analyzed SMS stakeholder needs/inputs, documented same, and used developed material to highlight critical project issues and establish project ownership for their resolution. Worked directly with Haskew and Adderholt to ensure engineer team effectiveness. Summarized requirements approach to SMS Level 7 meeting.

3) Reviewed personnel assignments: Further redirected efforts toward Calling Name Delivery SCP and Computer Access Restriction SMS specifications. Instituted critically needed work on decision graph/customization for SMS. Dropped active support of MLBS Extension Dialing/Private Networks team.

4) Placed Area Number Calling SCP FSD under change control after achieving key stakeholder approval after formal reviews.

5) Placed Computer Access Restriction Service Concept Document under change control. Final Draft Service Mapping Document produced and distributed for review.

6) Completed white paper on Record Retrieval service architecture, advocating direct CO-host link. Developed and socialized strategy with Marketing/Product Team to market existing proprietary solutions prior to evolution to SCAI-based standards solution. Worked closely with Marketing to prioritize needed SCAI Functional Elements as BellSouth input to Bellcore-led efforts. Attended and contributed to SCAI standards discussions.

7) Continued to press development and execution of SMS Release 1 project plan. Documented game plan, strategy, and OM-level agreements via periodic team notes. Notes identified specific deliverables required from team for near-term success. Facilitated project direction change from Area Number Calling to Calling Name Delivery, including informal dialogue with Logica and consensus building within Operations. Developed review plan for Logica deliverables and ensured SMS team responsibilities clearly defined. Completed SMS-SCP Interface Specification work with AT&T and Logica on tight critical path schedule for CNAM success.

8) Supported SS7 and ISDN standards effort via participation and leadership roles in standards committees; technical review and critique of proposed Bellcore TA/TR specifications; assessment and prioritization of related Bellcore activities; and support of SS7 Task Force efforts on network survivability.

9) Completed CONFORUM paper on Service Specifications Insights Into Service Creation. Reviewed Object-Oriented Modeling and Design textbook for SMS background. Completed The Quality Advantage course.

318

Third Quarter Commitments

1) Provide a draft front-end specification process document which details the approach we are taking.

2) Baseline a Release 1 Area Number Calling SMS FSD specification schedule, including provision of a detailed SCP-SMS interface document; Focus SMS and internal S&T efforts to identify and achieve critical project goals; and Further develop effective working relationships with key partner OM's on the SMS Steering Committee.

3) Baseline Calling Name Delivery requirements schedule, including Service Concept, Service Mapping; SCP FSD specification and SMS FSD Specification.

4) Establish Change Control for Area Number Calling SCP FSD specifications, and support project development, testing and operations efforts.

5) Baseline Computer Access Restriction requirements schedule; establish change control for the service concept; provide final draft of the Service Mapping & initial SCP specification.

6) Finalize Record Retrieval/SCAI White Paper; facilitate near-term marketing strategy reassessment; provide initial draft of Record Retrieval Service Concept; and explore alternatives to work with Bellcore/vendors to accelerate SCAI specification activities and standards.

7) Ensure ISDN requirements and standards support efforts meet expectations and advance BellSouth interests for both National ISDN and AIN.

8) Continue to monitor personnel assignments to ensure efforts of staff properly directed given changing market picture and service opportunities, as well as personal career objectives and needs.

9) Execute educational/conference personal development plan.

Second Quarter Accomplishments

1) Refined and socialized via Quality Action Team, Customer Supplier Agreements, and group/individual discussions a more streamlined and definitive approach to service requirements

specification. All schedules are now being developed assuming this model.

2) Established working relationships with key OM counterparts, in particular via active participation in the AIN project Quality Action Team; the marketing-oriented OM Strategy Group Team; and the SMS Steering Committee.

3) Reviewed personnel assignments; redirected efforts toward Calling Name Delivery and Area Number Calling SMS specifications; successfully redirected Record Retrieval to be a central-office-based offering; and forced Marketing reassessment of MLBS Extension Dialing.

4) Placed Area Number Calling Service Concept and Service Mapping under change control after formally achieving key stakeholder approval after formal reviews. Final draft of SCP FSD specification produced and issued for review.

5) Refined Computer Access Restriction service definition to include critical components of end-user list modification and fraud detection via the SMS. Final Service Concept document produced and distributed for review.

6) Produced draft White Paper on Record Retrieval/SCAI; met with AT&T and NTI to discuss product offerings/plans; and initiated dialogue with Marketing to proactively market products identified which can address near-term customer needs.

7) Proactively initiated efforts to focus S&T resources on the production of SMS specifications for Area Number Calling in support of an SMS team structure. Actively pressed project partners to understand and support needed steps. Produced templates and defined initial work efforts required personally to jump start effort.

8) Supported SS7 and ISDN standards effort via participation and leadership roles in standards committees; technical review and critique of proposed Bellcore TA/TR specifications; assessment and prioritization of related Bellcore activities; and support of internal organizations responsible for deployment of these technologies.

9) Provided first draft of Personal Number Calling service concept; actively supported concept assessment; and proactively contributed to formulated position that further concept refinement was warranted.

C (117)

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	1Q93

A. COMMITMENTS FOR NEXT QUARTER

January
- Begin Installation and turn-up of NTI wireless ESSX equipment at Colonnade.
- Commit BellSouth resources to industry group developing PCS service and interface specifications.
- Prioritize work and evaluate progress of PCS industry team.
- Explore technical options for PCS high-speed data transmission.

February
- Determine initial AIN capabilities needed for PCS services and discuss with AIN Administration Team.
- Complete outline of paper for Winlab conference.
- Review and comment on WACS 0.1 Technical Requirements document.
- Complete BST Project Plan for National Demo.

March
- Explore conversion of Ericsson equipment to ISM band for BST internal use.
- Prepare quarterly update on PCS National Demo.
- Submit report to FCC on work done under experimental license.
- Maintain and evaluate performance of wireless ESSX trial equipment in Birmingham.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Prepared and edited technical requirements document for wireless access control system (WACS) verison 0.1 as part of Bellcore/RBOC/Industry Team.

- Ordered trial equipment for Birmingham ESSX trial.

- Transitioned data services labs to new BNS-2000 SMDS and FR equipment including ordering new StarKeeper systems and software.

- Selected Network Systems Corp. as vendor for NMLI trial.

- Participated in final discussions of November 9th PCS NPRM filing by BSC, particularly the power focus.

- Provide BellSouth direction to Bellcore Industry PCS Team on development of new services and national PCS demo.

- Tested and assessed performance of Fujitsu SMDS switch in Raleigh.

- Turned up and performed initial tests of IBM RNET equipment in our lab.

- Helped corporate to develop 2 studies on opportunity and competition aspects of PCS.

- Put up working version of NMLI between SBC, PTPL Co, Courtland St. CO, and Inforum.

Supervisor's Signature	Title Director	Date 1/25/93
Employee	Title Research Manager	Date 1-20-93

☐ Employee comments on reverse side

Employee Quarterly Report

Name	Title Research Manager	Commitment Period 4Q92

4

A. COMMITMENTS FOR NEXT QUARTER

October
- Prepare and edit technical requirements documents for wireless access cont. system (WACS) version 0.1 as part of Bellcore team.
- Order trial equipment for Birmingham wireless ESSX trial.
- Transition labs to new BNS-2000 SMDS and FR equipment.
- Select vendor for NMLI project.
- Order new Starkeeper systems and software for lab switches.
- Give final inputs to PCS docket team for November 9th filing.

November
- Continue to provide BellSouth direction as PCS Product Team member on Bellcore industry committee.
- Assess performance of FETEX 150 at Raleigh since improvements were made on SMDS message handler.
- Continue lab testing of NMLI capabilities using selected vendor equipment.
- Preliminary testing of IBM RNET equipment in BST lab.

December
- Start wireless ESSX trial at Colonnade Building.
- Develop requirements of NMLI components to be gotten from 3rd parties.
- Help install switches in field for 4-city roll-out of SMDS and FR.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Completed substantial planning and evaluation work on Native Mode LAN Interconnect project including meeting with many FDDI vendors to borrow evaluation equipment, developing a test plan, developing a network management plan, and performing initial equipment testing.
- Performed extensive performance and compliance tests on Fujitsu FETEX 150 at NYNEX and documented results.
- Evaluated several sections of ATM RFP.
- Administered and maintained SMDS network for ongoing internal tests (PEEECNET, etc.)
- Tested frame relay functionality on BNS 2000 in Huntsville, Alabama and at Bell Labs in New Jersey.
- Provided technical services to SMDS 4-city roll-out team.
- Completed final drafts of IBM research network plans and contract documents.

- Prepared BellSouth applications for Interop'92 and trained marketing on their use.
- Guided Bellcore development of AD/NMS
- Worked with BellSouth PCS Docket Team to develop BellSouth positions on NPRM. First proposed " power focus" for the response which was the basis for our filing.
- Edited and issued documents totaling hundreds of pages associated with joint work at Bellcore on PCS.
- Presented "Wireless ESSX" paper at IEEE ICUPC Conference
- Installed and tested modified Ericsson DCT 900 wireless centrex and NTI PCS 10 on 41st Floor.
- Prepared plans for national PCS demo, including service description and architecture.

Supervisor's Signature	Title Director	Date
Employ	Title Research Manager	Date 10-22-92

☐ Employee comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	4Q92

A. COMMITMENTS FOR NEXT QUARTER

October
- Prepare and edit technical requirements documents for wireless access control sy...em (WACS) version 0.1 as part of Bellcore team.
- Order trial equipment for Birmingham wireless ESSX trial.
- Transition labs to new BNS-2000 SMDS and FR equipment.
- Select vendor for NMLI project.
- Order new Starkeeper systems and software for lab switches.
- Give final inputs to PCS docket team for November 9th filing.

November
- Continue to provide BellSouth direction as PCS Product Team member on Bellcore industry committee.
- Assess performance of FETEX 150 at Raleigh since improvements were made on SMDS message handler.
- Continue lab testing of NMLI capabilities using selected vendor equipment.
- Preliminary testing of IBM RNET equipment in BST lab.

December
- Start wireless ESSX trial at Colonnade Building.
- Develop requirements of NMLI components to be gotten from 3rd parties.
- Help install switches in field for 4-city roll-out of SMDS and FR.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Completed substantial planning and evaluation work on Native Mode LAN Interconnect project including meeting with many FDDI vendors to borrow evaluation equipment, developing a test plan, developing a network management plan, and performing initial equipment testing.
- Performed extensive performance and compliance tests on Fujitsu FETEX 150 at NYNEX and documented results.
- Evaluated several sections of ATM RFP.
- Administered and maintained SMDS network for ongoing internal tests (PEEECNET, etc.)
- Tested frame relay functionality on BNS 2000 in Huntsville, Alabama and at Bell Labs in New Jersey.
- Provided technical services to SMDS 4-city roll-out team.
- Completed final drafts of IBM research network plans and contract documents.

- Prepared BellSouth applications for Interop'92 and trained marketing on their use.
- Guided Bellcore development of AD/NMS
- Worked with BellSouth PCS Docket Team to develop BellSouth positions on NPRM. First proposed " power focus" for the response which was the basis for our filing.
- Edited and issued documents totaling hundreds of pages associated with joint work at Bellcore on PCS.
- Presented "Wireless ESSX" paper at IEEE ICUPC Conference
- Installed and tested modified Ericsson DCT 900 wireless centrex and NTI PCS 10 on 41st Floor.
- Prepared plans for national PCS demo, including service description and architecture.

Supervisor's Signature	Title	Date
	Director	10/22/92
Empl	Title	Date
	Research Manager	10-22-92

☐ Employee comments on reverse side

Employee Quarterly Report

Name	Title	Commitment Period
	Research Manager	3Q92

A. COMMITMENTS FOR NEXT QUARTER

July
- Support 4 city rollout of SMDS and FR as required.
- Work with multi-company PCS Product Team to guide development of PCS strategy.
- Analyze industry responses to Bellcore PCS RFI.

August
- Evaluate BISDN RFP responses.
- Evaluate technical performance of NTI wireless PBX equipment.
- Verify physical arrangements for RNBT.

September
- Develop plan and begin prototyping system for native mode LAN interconnection project.
- Develop plan for 4th quarter internal wireless trial.
- Complete RNET agreement with IBM, ORNL, and UTK.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Evaluated results of optical measurements for RNBT.
- Completed ICA work including setup of network on show floor, training, demonstrations at show.
- Developed plans for testing of Fujitsu SMDS switch in North Carolina.
- Gave Bellcore inputs on AD/NMS development.
- Started back up IBM joint research project.
- Began detailed work on FDDI/SMDS interworking..
- Began planning for National PCS Demonstration and participated in service description development.
- Completed technical contributions to various BCR documents.
- Developed cost model and strategy for collecting infrastructure costs for Corporate PCS Infrastructure cost study.
- Set up and tested frame relay capability on switch at Redstone Arsenal.

Supervisor's Signature	Title	Date
	Director	7/29/92
Employee	Title Research Manager	7-29-92

☐ Employee comments on reverse side

324

C (121)

Employee Quarterly Report

Name	Title Research Manager	Commitment Period 3Q92

4

A. COMMITMENTS FOR NEXT QUARTER

July
- Support 4 city rollout of SMDS and FR as required.

- Work with multi-company PCS Product Team to guide development of PCS strategy.

- Analyze industry responses to Bellcore PCS RFI.

August
- Evaluate BISDN RFP responses.

- Evaluate technical performance of NTI wireless PBX equipment.

- Verify physical arrangements for RNET.

September
- Develop plan and begin prototyping system for native mode LAN interconnection project.

- Develop plan for 4th quarter internal wireless trial.

- Complete RNET agreement with IBM, ORNL, and UTK.

B. ACCOMPLISHMENTS FOR PREVIOUS QUARTER

- Evaluated results of optical measurements for RNET.

- Completed ICA work including setup of network on show floor, training, demonstrations at show.

- Developed plans for testing of Fujitsu SMDS switch in North Carolina.

- Gave Bellcore inputs on AD/NMS development.

- Started back up IBM joint research project.

- Began detailed work on FDDI/SMDS interworking..

- Began planning for National PCS Demonstration and participated in service description development.

- Completed technical contributions to various BCR documents.

- Developed cost model and strategy for collecting infrastructure costs for Corporate PCS Infrastructure cost study.

- Set up and tested frame relay capability on switch at Redstone Arsenal.

Supervisor's Signature	Title Director	Date 7/29/92
Employr	Title Research Manager	Date 7-29-92

3/

☐ Employee comments on reverse side

Southern Bell Tel. & Tel. Co.
FPSC Docket No. 920260-TL
Audit
Date: 08/16/93
Item No. 1-112
Page 1 of 1

Request: Provide all economic studies done on the Fiber
Distribution Network.

Response: Per telephone conversation with Mary Rose Sirianni and
Randy Corn on August 27, 1993, the request intended to
ask for the AIN Release 1 prospectus developed by
Bellcore.   Attached is the Bellcore study done on AIN
dated January 30, 1991.

This material constitutes proprietary confidential
business information and is being produced subject to a
"Notice   of   Intent   to   Request   Confidential
Classification."

Date Provided: August 31, 1993

326

$C(191)$

Bellcore

Bell Communications Research

Advanced Intelligent Network (AIN) Release 1 Prospectus

January 30, 1990

The attached document "Advanced Intelligent Network (AIN) Release 1 Prospectus", SR-INS-001797 is provided to complete deliverable number 15 for project 022111. Executive Summary of AIN Release 1 Prospectus (TM-INS-018169) was issued on 1/4/91.

Please call me on (908) 758-5560 or the author with question or comments.

Sincerely,

T.J. Scheuerer
Division Manager
Economic Analysis Division

TJS-nvs

Att. (1)
SR-INS-001797

100 Schultz Drive
Post Office Box 7050
Red Bank, New Jersey 07701-7050
201. 758. 2000

327

C (192)
FOIK01V 820459

Bellcore
@ Bell Communications Research

Technical Information Cover Sheet

ASD-030
(7-89)

To Be Completed by Originator

Document Number	Issue No.	Addendum No.	Revision No.	Volume No.	Appendix No.	Bulletin Number	Supplement Code
SR-INS-001797	1						

Title Advanced Intelligent Network (AIN) Release 1 Prospectus

Software Release Name/No.	Replaces Document Number(s)	Document Date
		January 1991

Contact Name(s)	Org. Code(s)	Loc. Code & Room No.(s)	Tel. No.(s)
N. V. Sampat	26537	NVC-5N248	(908) 758-2749

Six Character External Project Number(s)
022111

Bellcore Product Name Title(s)
AIN Release 1

Funding Clients (F)/Entitled Clients (E)/Not Authorized (N)

F	E	N		F	E	N		F	E	N	
	x	Bellcore				BellSouth					U S WEST
x	x	All Regional Cos.				NYNEX		x	x		SNET
		Ameritech				Pacific Bell		x	x		CBI
		Bell Atlantic				Southwestern Bell					Other (See Below)

Other (Company Name)

Proprietary Status

- [ ] Proprietary - Internal Bellcore Use Only
- [x] Proprietary - Bellcore and Authorized Clients
- [ ] Restricted - Limited Distribution - Bellcore Only
- [ ] Restricted - Limited Distribution - Bellcore and Named Client
- [ ] Bellcore Registered Document
- [ ] Non-Proprietary

Distribution List Code(s)
LC-34, LC-19, LC-24, LC-25

Potential Non-Affiliate Interest For Document	List Related document Number(s)	If Generic Requirements Document, Check One
[ ] Local Exchange Carriers		[ ] Switching
[ ] Interexchange Carriers		[ ] Transport
[ ] Manufacturers		[ ] Operations
[ ] Consultants		[ ] Reliability & Quality
[ ] Other_____		[ ] Common/Miscellaneous

Legal Approval	If A Previous Issue Received Legal Approval And Is Currently Being Revised, List The Issue And Pages With Substantial Revisions.
[x] Required	
[ ] Not Required	

If Legal Approval Already Obtained, Identify Attorney And Date Of Approval
Mr. M. Slomin 12/20/90

To Be Completed By Division Manager Or Higher

Name (Printed)
T. J. Scheuerer

Signature *D. Scheuer*

Date

To Be Completed By Legal (If Required)

- [ ] Released
- [ ] Released: Subject To Comment/Change Revisions
- [ ] Not Released: Reasons: _____

Attorney's Name (Printed)

Attorney's Signature	Date

To Be Completed By Technical Publications (If Applicable)

Writer/Editor's Name (Printed)	Tel. No.
Harry Samuels	(908) 758-2126

Writer/Editor's Signature	Date
Harry D. Samuels	January 1991

To Be Completed By Information Exchange Management

Name (Printed)	

Signature	Date

To Be Completed By Information Delivery Operations

Date Processed	Total Pages	Price Each

Copies Printed	Stock Maintained At
	[ ] Distribution Storage Center [ ] Originator

Abstract (Used For On-line Catalog Search)

AIN Release 1 Prospectus deals with the overall viability of AIN Release 1 deployment by a BCC. It provides technology analysis, market analysis, economic analysis, regulatory and stakeholder analysis and risk analysis on AIN Release 1. A CUCRIT analysis compared the existing IN/1 with AIN Release 1 deployment in a sample BCC. The total NPV for AIN Release 1 deployment in a sample BCC was $900 million, which was $400 million greater than NPV for IN/1 PMO. The Discounted Payback Period (DPP) occurred seven years after AIN Release 1 deployment. Under various deployment assumptions, AIN Release 1 deployment proved to be more profitable than continuing with the existing IN/1. BCC control of service creation and reduced cost of service introduction allows BCCs to introduce new features more rapidly and more cost effectively than is possible in IN/1 environment. This Special Report is intended for the AIN Product Managers and managers responsible for influencing AIN efforts at the BCCs and Bellcore, and for people in the BCCs responsible for making deployment decisions. This document is provided to complete deliverable number 15 for project 022111, titled "Advanced Intelligent Network (AIN) Release 1 Prospectus."

C(193)

Topical Keywords, Phrases And/Or Subjects
AIN, Economic Analysis, Regulatory and Stakeholder Analysis, Market Analysis, Strategic Fit, Risk Analysis, Technology Analysis.

328

F81Kb. 0468

PP. 329-398

Advanced Intelligent Network (AIN)
Release 1 Prospectus

Proprietary in
entirety