

10/19/95

Attachment B

FPSC DOCKET 950985-TP

FPSC STAFF'S 1ST REQUEST FOR DOCUMENTS, ITEM 5

PUBLIC VERSION

2 REDACTED COPIES

DOCUMENT NUMBER-DATE

10395 OCT 20 1995

FPSC-RECORDS/REPORTING

**Switched Access Local Transport Cost Summary (FGB&D)  
Florida**

(a) Setup Cost/Msg	(b) Duration Cost/Min	(c) Average Min/Msg	(d) Setup Cost/Min ((a)/(c))	(e) Total Cost per Min ((b)+(d))
--------------------------	-----------------------------	---------------------------	---------------------------------------	---

(F)

**Average Business Day Costs:**

- 1. Facilities Trunking
- 2. SS7
- 3. Switched Common Transport Cost per Minute:
- 4. Avg Miles/MOU
- 5. Switched Common Transport Cost per MOU, per mile      L3/L4
- 6. Termination Trunking
- 7. Termination Trunking Cost per Minute:
- 8. Tandem Switching
- 9. Tandem Switching Cost per Minute:
- 10. Total Cost per Minute:

Source: FL Switched Access (FGB&FGD) Cost Study dated 2/07/95.  
FL LTR Demand Data, 6/93 Allocations

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N

Switched Access Local Switching Cost Summary  
Florida

(a) Setup Cost/Msg*	(b) Duration Cost/Min	(c) Average Min/Msg	(d) Setup Cost/Min ((a)/(c))	(e) Total Cost per Min ((b)+(d))
1. LS1 (FGB)				
2. LS2 (FGD)				

\*Setup related cost/msg and duration related cost/min includes end office switching and measurement equipment costs. Additionally, the setup related cost/msg includes expenses in the amount of \$.000059.

Source:FLACCB and FLACCD Cost Studies dated 2/7/95.

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 1

INCREMENTAL MESSAGES AND MINUTES  
 BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	A	B	C
		MESSAGES	TOTAL MINUTES	AVG MIN./MSG
01	01			
	02			
	03			
	TOTAL			
02	01			
	02			
	03			
	TOTAL			
03	01			
	02			
	03			
	TOTAL			
04	01			
	02			
	03			
	TOTAL			
05	01			
	02			
	03			
	TOTAL			
06	01			
	02			
	03			
	TOTAL			
ALL	01			
	02			
	03			
	TOTAL			

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DB	RP	TOTAL	SWITCHING				TRUNKING		SS7
		EO	TDM	MEAS	FAC	TERM			
		A	B	C	D	E	F		
01	01								
	02								
	03								
	AVG								
02	01								
	02								
	03								
	AVG								
03	01								
	02								
	03								
	AVG								
04	01								
	02								
	03								
	AVG								
05	01								
	02								
	03								
	AVG								
06	01								
	02								
	03								
	AVG								
ALL	01								
	02								
	03								
	AVG								

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DB	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		SS7
		A	EO B	TDM C	MEAS D	FAC E	TERM F	
01	01							
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 4

UNIT COST SUMMARY

DB	RP	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
		A	B	C	D	E	F	G
01	01							
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

\*\* NOTE: EXPENSES PER MESSAGE

37 Billing  
 Business Office  
 Operator Services  
 40 Product Mgmt

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

OB	RP	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7
01	01	A	B	C	D	E	F
	02						
	03						
02	01						
	02						
	03						
03	01						
	02						
	03						
04	01						
	02						
	03						
05	01						
	02						
	03						
06	01						
	02						
	03						

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NETWORK COST ANALYSIS TOOL (NCAT)  
 SWITCHED ACCESS (FGB+FGD)

STUDY: FLACCO  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:29:20  
 PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DB	RP	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7
01	01	A	B	C	D	E	F
	02						
	03						
02	01						
	02						
	03						
03	01						
	02						
	03						
04	01						
	02						
	03						
05	01						
	02						
	03						
06	01						
	02						
	03						

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PLACCT	ANNUAL COST	TPI
10C	0.18550	1.0000
1C	0.25260	1.0000
20C	0.17070	1.0000
22C	0.36690	1.0000
357C	0.34010	1.0000
377C	0.31470	0.9200
3C	0.31270	1.0000
45C	0.35190	1.0000
4C	0.20400	1.0000
57C	1.00000	1.0000
5C	1.00000	1.0000
6C	0.25970	1.0000
811C	0.25260	1.0000
822C	0.24200	1.0000
845C	0.24210	1.0000
84C	0.20400	1.0000
85C	0.24930	1.0000

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SERVICE: Feature Group B

RATIO COMPL: 0.725 RATIO ABS-ABD: 1.100 RATIO ABD-ACD: 1.177  
 BILLING: 0.000000 BUSINESS OFFICE: 0.000000  
 OPERATOR SERVICES: 0.000000 PRODUCT MGMT: 0.000059

HOURL	MF NCT CCS	SS7 NCT CCS	ADD NCT CCS	GRO MIN	GRO MSG
8	0.000	.179	0.000	1.000	1.000
9	0.000	.179	0.000	1.000	1.000
10	0.000	.179	0.000	1.000	1.000
11	0.000	.179	0.000	1.000	1.000
12	0.000	.179	0.000	1.000	1.000
13	0.000	.179	0.000	1.000	1.000
14	0.000	.179	0.000	1.000	1.000
15	0.000	.179	0.000	1.000	1.000
16	0.000	.179	0.000	1.000	1.000
17	0.000	.179	0.000	1.000	1.000
18	0.000	.179	0.000	1.000	1.000
19	0.000	.179	0.000	1.000	1.000
20	0.000	.179	0.000	1.000	1.000
21	0.000	.179	0.000	1.000	1.000
22	0.000	.179	0.000	1.000	1.000
23	0.000	.179	0.000	1.000	1.000
24	0.000	.179	0.000	1.000	1.000

Number of digits dialed: 7  
 Number of digits sent per outgoing call: 7  
 Number of octets required for SS7 links (intra-lata): 125  
 Number of digits received: 7  
 Average ringing time per terminating call (in CCS): .156  
 Is ANI required? N  
 Average dialing time per digit (CCS): .007  
 Dial-tone time (CCS): 0.000  
 Pct of Presubscription: NA

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STUDY: FLACCB DESC:  
 TYPE : AX SVC : Feature Group B

\*\*\*\*\*RUN-TIME PARAMETERS\*\*\*\*\*

INDICATORS -----	YEAR ----
RATE CENTER/WIRE CENTER: W	TEO2: 1994
USE REMOTE/HOST V&M COORD: R	FACILITY TABLE: 1992
LINK BH/ORIG OFC BH: O	FAC INVESTMENT DATA: 1994
ROUTE: A	STUDY DATE: 1994
USE EXCEPTION ROUTING TBL: N	
APPLY INFLATION TO SWITCHING INVESTMENT: Y	
UMS INV: FAC/TERM OR EO: F	
OVERRIDE LINK OVERFLOW : Y	
LINK OVERFLOW FACTOR : .06	

MINIMUM -----	MAXIMUM -----
CCS TO MSG	CCS TO MSG
RATIO TO PROCESS: 0.00	RATIO TO PROCESS: 999.99
TEO2 CCS TO PROCESS: 0.0	PT-PT AIR DISTANCE: 1000.0
TEO2 MSGS TO PROCESS: 0	

INCREASE -----	DECREASE -----
TRKS FOR USG GROWTH: N	TRKS FOR USG DECREASE: N
INCLUDE NCT: T	PERFORM EO SW CALCS: Y
ALLOW DUPE OFCS ON ROUTE: Y	PERFORM MEAS CALCS: Y
USE REP SW EQPT ONLY: Y	

AVG TRKING ECCS: 10	STIMULATION RATE: 0.100
HU GRADE OF SERVICE: 0.010	
DF GRADE OF SERVICE: 0.010	# of ADD: 250
TRK UTILIZATION FACTOR: 0.850	AVG/MARGINAL TRKING: N
LAND PLANT ACCT: 20C	BUILDING PLANT ACCT: 10C

WEIGHTED SWITCH CALCULATIONS: USE W RECORDS

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STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group 8

\*\*\*\*\*DISTANCE BANDS\*\*\*\*\*

\*\*\*\*\*RATE PERIODS\*\*\*\*\*

OB	UPPER	HOUR	RP
--	-----	----	--
01	1.0	08	1
02	8.0	09	1
03	16.0	10	1
04	25.0	11	1
05	50.0	12	1
06	9999.9	13	1
07	9999.9	14	1
08	9999.9	15	1
09	9999.9	16	1
10	9999.9	17	2
11	9999.9	18	2
12	9999.9	19	2
13	9999.9	20	2
14	9999.9	21	2
15	9999.9	22	2
16	9999.9	23	3
17	9999.9	24	3
18	9999.9	25	3
19	9999.9		
20	9999.9		

STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\*STUDY AREAS\*\*\*\*\*

LATA	ZONE
----	----
ALL	ALL

STUDY: FLACCB      DESC:  
TYPE : AX      SVC : Feature Group B

\*\*\*\*\* COMMON/DEDICATED SPLIT \*\*\*\*\*

Trunk Group Definition

	Common	Dedicated
TDM-POT		X
EO-POT		X

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STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\* SCIS DATA \*\*\*\*\*

Assume All Common Channel Signalling: A

Investment per Octet:

Plant Acct	Link	STP
10C	0.000000	0.000000
1C	.000001	0.000000
20C	0.000000	0.000000
22C	0.000000	0.000000
357C	0.000000	0.000000
377C	0.000000	0.000000
3C	0.000000	0.000000
45C	0.000000	0.000000
4C	0.000000	0.000000
57C	0.000000	0.000000
5C	0.000000	0.000000
6C	0.000000	0.000000
811C	0.000000	0.000000
822C	0.000000	0.000000
845C	0.000000	0.000000
84C	0.000000	0.000000
85C	0.000000	0.000000

\*\*\*\*\* TRAFFIC USE CODES \*\*\*\*\*

Use All Traffic Use Codes: Y

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STUDY: FLACCB      DESC:  
TYPE : AX          SVC : Feature Group B

\*\*\*\*\* STUDY SW EQPT \*\*\*\*\*

***** END OFFICE *****		***** TANDEM *****	
Sw Eqpt	Status	Sw Eqpt	Status
.....	.....	.....	.....
ALL		ALL	

\*\*\*\*\* STUDY OWNERSHIP CODES \*\*\*\*\*

***** SWITCHING *****		***** TRUNKING *****	
Owner	Status	Owner	Status
.....	.....	.....	.....
ALL		ALL	

SERVICE: Feature Group D

RATIO COMPL: 0.725 RATIO ABS-ABD: 1.100 RATIO ABD-ACD: 1.177  
 BILLING: 0.000000 BUSINESS OFFICE: 0.000000  
 OPERATOR SERVICES: 0.000000 PRODUCT MGMT: 0.000059

HOUR	MF NCT CCS	SS7 NCT CCS	ADD NCT CCS	GRO MIN	GRO MSG
8	0.000	.179	0.000	1.000	1.000
9	0.000	.179	0.000	1.000	1.000
10	0.000	.179	0.000	1.000	1.000
11	0.000	.179	0.000	1.000	1.000
12	0.000	.179	0.000	1.000	1.000
13	0.000	.179	0.000	1.000	1.000
14	0.000	.179	0.000	1.000	1.000
15	0.000	.179	0.000	1.000	1.000
16	0.000	.179	0.000	1.000	1.000
17	0.000	.179	0.000	1.000	1.000
18	0.000	.179	0.000	1.000	1.000
19	0.000	.179	0.000	1.000	1.000
20	0.000	.179	0.000	1.000	1.000
21	0.000	.179	0.000	1.000	1.000
22	0.000	.179	0.000	1.000	1.000
23	0.000	.179	0.000	1.000	1.000
24	0.000	.179	0.000	1.000	1.000

Number of digits dialed: 11  
 Number of digits sent per outgoing call: 10  
 Number of octets required for SS7 links (intra-lata): 125  
 Number of digits received: 7  
 Average ringing time per terminating call (in CCS): .156  
 Is ANI required? Y  
 Average dialing time per digit (CCS): .007  
 Dial-tone time (CCS): 0.000  
 Pct of Presubscription: 1.000

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STUDY: FLACCD DESC:  
 TYPE : AX SVC : Feature Group 0

\*\*\*\*\*RUN-TIME PARAMETERS\*\*\*\*\*

INDICATORS		YEAR
-----		----
RATE CENTER/WIRE CENTER:	W	TE02: 1994
USE REMOTE/HOST V&H COORD:	R	FACILITY TABLE: 1992
LINK BH/ORIG OFC BH:	O	FAC INVESTMENT DATA: 1994
ROUTE:	A	STUDY DATE: 1994
USE EXCEPTION ROUTING TBL:	N	
APPLY INFLATION TO SWITCHING INVESTMENT:	Y	
UMB INV: FAC/TERM OR EO:	F	
OVERRIDE LINK OVERFLOW :	Y	
LINK OVERFLOW FACTOR :	.06	

MINIMUM		MAXIMUM
-----		-----
CCS TO MSG		CCS TO MSG
RATIO TO PROCESS:	0.00	RATIO TO PROCESS: 999.99
TE02 CCS TO PROCESS:	0.0	PT-PT AIR DISTANCE: 1000.0
TE02 MSGS TO PROCESS:	0	

INCREASE		DECREASE
-----		-----
TRKS FOR USG GROWTH:	N	TRKS FOR USG DECREASE: N
INCLUDE NCT:	T	PERFORM EO SW CALCS: Y
ALLOW DUPE OFCS ON ROUTE:	Y	PERFORM MEAS CALCS: Y
USE REP SW EQPT ONLY:	Y	

AVG TRKING ECCS:	10	STIMULATION RATE:	0.100
HU GRADE OF SERVICE:	0.010		
DF GRADE OF SERVICE:	0.010	# of ADD:	250
TRK UTILIZATION FACTOR:	0.850	AVG/MARGINAL TRKING:	N
LAND PLANT ACCT:	20C	BUILDING PLANT ACCT:	10C

WEIGHTED SWITCH CALCULATIONS: USE W RECORDS

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\*DISTANCE BANDS\*\*\*\*\*

\*\*\*\*\*RATE PERIODS\*\*\*\*\*

DB	UPPER	HOUR	RP
--	-----	----	--
01	1.0	08	1
02	8.0	09	1
03	16.0	10	1
04	25.0	11	1
05	50.0	12	1
06	9999.9	13	1
07	9999.9	14	1
08	9999.9	15	1
09	9999.9	16	1
10	9999.9	17	2
11	9999.9	18	2
12	9999.9	19	2
13	9999.9	20	2
14	9999.9	21	2
15	9999.9	22	2
16	9999.9	23	3
17	9999.9	24	3
18	9999.9	25	3
19	9999.9		
20	9999.9		

STUDY: FLACCO DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\*STUDY AREAS\*\*\*\*\*

LATA	ZONE
----	----
ALL	ALL

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\* COMMON/DEDICATED SPLIT \*\*\*\*\*

Trunk Group Definition

	Common	Dedicated
TDM-POT		X
EO-POT		X

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\* SCIS DATA \*\*\*\*\*

Assume All Common Channel Signalling: A

Investment per Octet:

Plant Acct	Link	STP
-----	----	---
10C	0.000000	0.000000
1C	.000001	0.000000
20C	0.000000	0.000000
22C	0.000000	0.000000
357C	0.000000	0.000000
377C	0.000000	0.000000
3C	0.000000	0.000000
45C	0.000000	0.000000
4C	0.000000	0.000000
57C	0.000000	0.000000
5C	0.000000	0.000000
6C	0.000000	0.000000
811C	0.000000	0.000000
822C	0.000000	0.000000
845C	0.000000	0.000000
84C	0.000000	0.000000
85C	0.000000	0.000000

\*\*\*\*\* TRAFFIC USE CODES \*\*\*\*\*

Use All Traffic Use Codes: Y

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group 0

\*\*\*\* STUDY SW EQPT \*\*\*\*

\*\*\*\*\* END OFFICE \*\*\*\*\*                   \*\*\*\*\* TANDEM \*\*\*\*\*

Sw Eqpt	Status	Sw Eqpt	Status
-----	-----	-----	-----
ALL		ALL	

\*\*\*\* STUDY OWNERSHIP CODES \*\*\*\*

\*\*\*\*\* SWITCHING \*\*\*\*\*                   \*\*\*\*\* TRUNKING \*\*\*\*\*

Owner	Status	Owner	Status
-----	-----	-----	-----
ALL		ALL	



STUDY: FLACCB  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 15:39:05  
 PAGE : 1

INCREMENTAL MESSAGES AND MINUTES  
 BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	A	B	C
		MESSAGES	TOTAL MINUTES	AVG MIN./MSG
01	01			
	02			
	03			
	TOTAL			
02	01			
	02			
	03			
	TOTAL			
03	01			
	02			
	03			
	TOTAL			
04	01			
	02			
	03			
	TOTAL			
05	01			
	02			
	03			
	TOTAL			
06	01			
	02			
	03			
	TOTAL			
ALL	01			
	02			
	03			
	TOTAL			

NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCB  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 15:39:05  
 PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DB	RP	TOTAL	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7	
01	01	A	B	C	D	E	F	G
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCB  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 15:39:05  
 PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DB	RP	TOTAL	SWITCHING				TRUNKING	
			EO	TDM	MEAS	FAC	TERM	SS7
		A	B	C	D	E	F	G
01	01							
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

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STUDY: FLACCB  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 15:39:05  
 PAGE : 4

UNIT COST SUMMARY

DB	RP	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
		A	B	C	D	E	F	G
01	01							
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

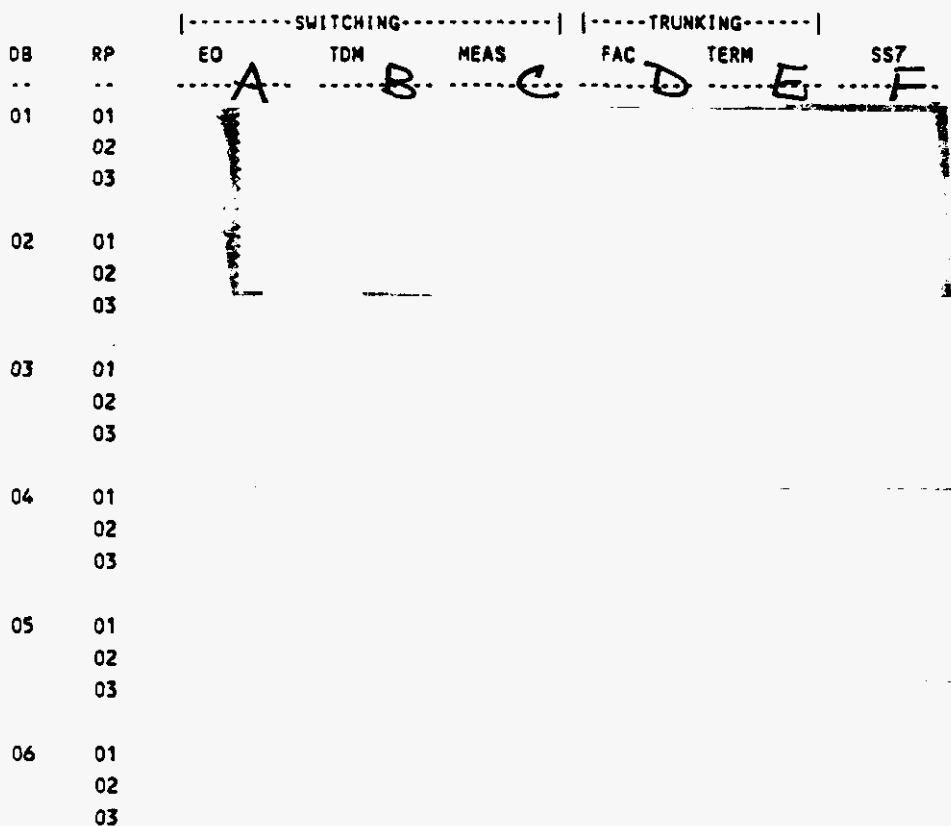
\*\* NOTE: EXPENSES PER MESSAGE  
 37 Billing  
 Business Office  
 Operator Services  
 40 Product Mgmt

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STUDY: FLACCB  
DB : FL  
VER : 3.4  
CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
TIME : 15:39:05  
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP



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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCB  
 OB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 15:39:05  
 PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

OB	RP	-----SWITCHING-----			-----TRUNKING-----		
		EO	TDM	MEAS	FAC	TERM	SS7
01	01	A	B	C	D	E	F
	02						
	03						
02	01						
	02						
	03						
03	01						
	02						
	03						
04	01						
	02						
	03						
05	01						
	02						
	03						
06	01						
	02						
	03						

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PLACCT	ANNUAL COST	TPI
-----	-----	-----
10C	0.18550	1.0000
1C	0.25260	1.0000
20C	0.17070	1.0000
22C	0.36690	1.0000
357C	0.34010	1.0000
377C	0.31470	0.9200
3C	0.31270	1.0000
45C	0.35190	1.0000
4C	0.20400	1.0000
57C	1.00000	1.0000
5C	1.00000	1.0000
6C	0.25970	1.0000
811C	0.25260	1.0000
822C	0.24200	1.0000
845C	0.24210	1.0000
84C	0.20400	1.0000
85C	0.24930	1.0000

SERVICE: Feature Group B

RATIO COMPL: 0.725 RATIO ABS-ABD: 1.100 RATIO ABD-ACD: 1.177  
 BILLING: 0.000000 BUSINESS OFFICE: 0.000000  
 OPERATOR SERVICES: 0.000000 PRODUCT MGMT: 0.000059

HOUR	MF NCT CCS	SS7 NCT CCS	ADD NCT CCS	GRO MIN	GRO MSG
8	0.000	.179	0.000	1.000	1.000
9	0.000	.179	0.000	1.000	1.000
10	0.000	.179	0.000	1.000	1.000
11	0.000	.179	0.000	1.000	1.000
12	0.000	.179	0.000	1.000	1.000
13	0.000	.179	0.000	1.000	1.000
14	0.000	.179	0.000	1.000	1.000
15	0.000	.179	0.000	1.000	1.000
16	0.000	.179	0.000	1.000	1.000
17	0.000	.179	0.000	1.000	1.000
18	0.000	.179	0.000	1.000	1.000
19	0.000	.179	0.000	1.000	1.000
20	0.000	.179	0.000	1.000	1.000
21	0.000	.179	0.000	1.000	1.000
22	0.000	.179	0.000	1.000	1.000
23	0.000	.179	0.000	1.000	1.000
24	0.000	.179	0.000	1.000	1.000

Number of digits dialed: 7  
 Number of digits sent per outgoing call: 7  
 Number of octets required for SS7 links (intra-lata): 125  
 Number of digits received: 7  
 Average ringing time per terminating call (in CCS): .156  
 Is ANI required? N  
 Average dialing time per digit (CCS): .007  
 Dial-tone time (CCS): 0.000  
 Pct of Presubscription: NA



STUDY: FLACCB DESC:  
 TYPE : AX SVC : Feature Group B

\*\*\*\*\*RUN-TIME PARAMETERS\*\*\*\*\*

INDICATORS	YEAR
-----	----
RATE CENTER/WIRE CENTER: M	TE02: 1994
USE REMOTE/HOST V&H COORD: R	FACILITY TABLE: 1992
LINK BN/ORIG OFC BN: O	FAC INVESTMENT DATA: 1994
ROUTE: A	STUDY DATE: 1994
USE EXCEPTION ROUTING TBL: N	
APPLY INFLATION TO SWITCHING INVESTMENT: Y	
UMB INV: FAC/TERM OR EO: F	
OVERRIDE LINK OVERFLOW : Y	
LINK OVERFLOW FACTOR : .06	

MINIMUM	MAXIMUM
-----	-----
CCS TO MSG	CCS TO MSG
RATIO TO PROCESS: 0.00	RATIO TO PROCESS: 999.99
TE02 CCS TO PROCESS: 0.0	PT-PT AIR DISTANCE: 1000.0
TE02 MSGS TO PROCESS: 0	

INCREASE	DECREASE
-----	-----
TRKS FOR USG GROWTH: N	TRKS FOR USG DECREASE: N
INCLUDE NCT: T	PERFORM EO SW CALCS: Y
ALLOW DUPE OFCS ON ROUTE: Y	PERFORM MEAS CALCS: Y
USE REP SW EQPT ONLY: Y	

AVG TRKING ECCS: 10	STIMULATION RATE: 0.100
HU GRADE OF SERVICE: 0.010	
DF GRADE OF SERVICE: 0.010	# of ABO: 250
TRK UTILIZATION FACTOR: 0.850	AVG/MARGINAL TRKING: N
LAND PLANT ACCT: 20C	BUILDING PLANT ACCT: 10C

WEIGHTED SWITCH CALCULATIONS: USE W RECORDS

STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\*DISTANCE BANDS\*\*\*\*\*

\*\*\*\*\*RATE PERIODS\*\*\*\*\*

DB	UPPER	HOUR	RP
--	-----	----	--
01	1.0	08	1
02	8.0	09	1
03	16.0	10	1
04	25.0	11	1
05	50.0	12	1
06	9999.9	13	1
07	9999.9	14	1
08	9999.9	15	1
09	9999.9	16	1
10	9999.9	17	2
11	9999.9	18	2
12	9999.9	19	2
13	9999.9	20	2
14	9999.9	21	2
15	9999.9	22	2
16	9999.9	23	3
17	9999.9	24	3
18	9999.9	25	3
19	9999.9		
20	9999.9		

STUDY: FLACC8 DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\*STUDY AREAS\*\*\*\*\*

LATA	ZONE
----	----
ALL	ALL

STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\* COMMON/DEDICATED SPLIT \*\*\*\*\*

Trunk Group Definition

	Common	Dedicated
TDM-POT		X
EO-POT		X

STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\* SCIS DATA \*\*\*\*\*

Assume All Common Channel Signalling: A

Investment per Octet:

Plant Acct	Link	STP
-----	----	---
10C	0.000000	0.000000
1C	.000001	0.000000
20C	0.000000	0.000000
22C	0.000000	0.000000
357C	0.000000	0.000000
377C	0.000000	0.000000
3C	0.000000	0.000000
45C	0.000000	0.000000
4C	0.000000	0.000000
57C	0.000000	0.000000
5C	0.000000	0.000000
6C	0.000000	0.000000
811C	0.000000	0.000000
822C	0.000000	0.000000
845C	0.000000	0.000000
84C	0.000000	0.000000
85C	0.000000	0.000000

\*\*\*\*\* TRAFFIC USE CODES \*\*\*\*\*

Use All Traffic Use Codes: Y

STUDY: FLACCB DESC:  
TYPE : AX SVC : Feature Group B

\*\*\*\*\* STUDY SW EQPT \*\*\*\*\*

***** END OFFICE *****		***** TANDEM *****	
Sw Eqpt	Status	Sw Eqpt	Status
-----	-----	-----	-----
ALL		ALL	

\*\*\*\*\* STUDY OWNERSHIP CODES \*\*\*\*\*

***** SWITCHING *****		***** TRUNKING *****	
Owner	Status	Owner	Status
-----	-----	-----	-----
ALL		ALL	

NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:07:05  
 PAGE : 1

INCREMENTAL MESSAGES AND MINUTES  
 BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	A	B	C
		MESSAGES	TOTAL MINUTES	AVG MIN./MSG
01	01			
	02			
	03			
	TOTAL			
02	01			
	02			
	03			
	TOTAL			
03	01			
	02			
	03			
	TOTAL			
04	01			
	02			
	03			
	TOTAL			
05	01			
	02			
	03			
	TOTAL			
06	01			
	02			
	03			
	TOTAL			
ALL	01			
	02			
	03			
	TOTAL			

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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:07:05  
 PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DB	RP	TOTAL	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7	
01	01	A	B	C	D	E	F	G
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

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STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:07:05  
 PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DB	RP	TOTAL	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7	
01	01	A	B	C	D	E	F	G
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:07:05  
 PAGE : 4

UNIT COST SUMMARY

DB	RP	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
		A	B	C	D	E	F	G
01	01							
	02							
	03							
	AVG							
02	01							
	02							
	03							
	AVG							
03	01							
	02							
	03							
	AVG							
04	01							
	02							
	03							
	AVG							
05	01							
	02							
	03							
	AVG							
06	01							
	02							
	03							
	AVG							
ALL	01							
	02							
	03							
	AVG							

\*\* NOTE: EXPENSES PER MESSAGE

38 Billing  
 Business Office  
 Operator Services  
 41 Product Mgmt

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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCD  
DB : FL  
VER : 3.4  
CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
TIME : 17:07:05  
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DB	RP	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7
01	01	A	B	C	D	E	F
	02						
	03						
02	01						
	02						
	03						
03	01						
	02						
	03						
04	01						
	02						
	03						
05	01						
	02						
	03						
06	01						
	02						
	03						

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NETWORK COST ANALYSIS TOOL (NCAT)

STUDY: FLACCD  
 DB : FL  
 VER : 3.4  
 CALC TYPE: MARGINAL

RUN DATE: 07-FEB-95  
 TIME : 17:07:05  
 PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DB	RP	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7
01	01	A	B	C	D	E	F
	02						
	03						
02	01						
	02						
	03						
03	01						
	02						
	03						
04	01						
	02						
	03						
05	01						
	02						
	03						
06	01						
	02						
	03						

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PLACCT	ANNUAL COST	TPI
-----	-----	-----
10C	0.18550	1.0000
1C	0.25260	1.0000
20C	0.17070	1.0000
22C	0.36690	1.0000
357C	0.34010	1.0000
377C	0.31470	0.9200
3C	0.31270	1.0000
45C	0.35190	1.0000
4C	0.20400	1.0000
57C	1.00000	1.0000
5C	1.00000	1.0000
6C	0.25970	1.0000
811C	0.25260	1.0000
822C	0.24200	1.0000
845C	0.24210	1.0000
84C	0.20400	1.0000
85C	0.24930	1.0000

44

SERVICE: Feature Group D

RATIO COMPL: 0.725 RATIO ABS-ABD: 1.100 RATIO ABD-ACD: 1.177  
 BILLING: 0.000000 BUSINESS OFFICE: 0.000000  
 OPERATOR SERVICES: 0.000000 PRODUCT MGMT: 0.000059

HOUR	MF NCT CCS	SS7 NCT CCS	ADD NCT CCS	GRO MIN	GRO MSG
8	0.000	.179	0.000	1.000	1.000
9	0.000	.179	0.000	1.000	1.000
10	0.000	.179	0.000	1.000	1.000
11	0.000	.179	0.000	1.000	1.000
12	0.000	.179	0.000	1.000	1.000
13	0.000	.179	0.000	1.000	1.000
14	0.000	.179	0.000	1.000	1.000
15	0.000	.179	0.000	1.000	1.000
16	0.000	.179	0.000	1.000	1.000
17	0.000	.179	0.000	1.000	1.000
18	0.000	.179	0.000	1.000	1.000
19	0.000	.179	0.000	1.000	1.000
20	0.000	.179	0.000	1.000	1.000
21	0.000	.179	0.000	1.000	1.000
22	0.000	.179	0.000	1.000	1.000
23	0.000	.179	0.000	1.000	1.000
24	0.000	.179	0.000	1.000	1.000

Number of digits dialed: 11  
 Number of digits sent per outgoing call: 10  
 Number of octets required for SS7 links (intra-lata): 125  
 Number of digits received: 7  
 Average ringing time per terminating call (in CCS): .156  
 Is ANI required? Y  
 Average dialing time per digit (CCS): .007  
 Dial-tone time (CCS): 0.000  
 Pct of Presubscription: 1.000

45

STUDY: FLACCD DESC:  
 TYPE : AX SVC : Feature Group D

\*\*\*\*\*RUN-TIME PARAMETERS\*\*\*\*\*

INDICATORS		YEAR	
-----		----	
RATE CENTER/WIRE CENTER:	W	TE02:	1994
USE REMOTE/HOST V&H COORD:	R	FACILITY TABLE:	1992
LINK BH/ORIG OFC BH:	O	FAC INVESTMENT DATA:	1994
ROUTE:	A	STUDY DATE:	1994
USE EXCEPTION ROUTING TBL:	N		
APPLY INFLATION TO SWITCHING INVESTMENT:	Y		
UMB INV: FAC/TERM OR EO:	F		
OVERRIDE LINK OVERFLOW :	Y		
LINK OVERFLOW FACTOR :	.06		

MINIMUM		MAXIMUM	
-----		-----	
CCS TO MSG		CCS TO MSG	
RATIO TO PROCESS:	0.00	RATIO TO PROCESS:	999.99
TE02 CCS TO PROCESS:	0.0	PT-PT AIR DISTANCE:	1000.0
TE02 MSGS TO PROCESS:	0		

INCREASE		DECREASE	
-----		-----	
TRKS FOR USG GROWTH:	N	TRKS FOR USG DECREASE:	N
INCLUDE NCT:	T	PERFORM EO SW CALCS:	Y
ALLOW DUPE OFCS ON ROUTE:	Y	PERFORM MEAS CALCS:	Y
USE REP SW EQPT ONLY:	Y		

AVG TRKING ECCS:	10	STIMULATION RATE:	0.100
HU GRADE OF SERVICE:	0.010		
DF GRADE OF SERVICE:	0.010	# of ABO:	250
TRK UTILIZATION FACTOR:	0.850	AVG/MARGINAL TRKING:	N
LAND PLANT ACCT:	20C	BUILDING PLANT ACCT:	10C

WEIGHTED SWITCH CALCULATIONS: USE W RECORDS

46

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\*DISTANCE BANDS\*\*\*\*\*

\*\*\*\*\*RATE PERIODS\*\*\*\*\*

DB	UPPER	HOUR	RP
--	-----	----	--
01	1.0	08	1
02	8.0	09	1
03	16.0	10	1
04	25.0	11	1
05	50.0	12	1
06	9999.9	13	1
07	9999.9	14	1
08	9999.9	15	1
09	9999.9	16	1
10	9999.9	17	2
11	9999.9	18	2
12	9999.9	19	2
13	9999.9	20	2
14	9999.9	21	2
15	9999.9	22	2
16	9999.9	23	3
17	9999.9	24	3
18	9999.9	25	3
19	9999.9		
20	9999.9		



STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\*STUDY AREAS\*\*\*\*\*

LATA	ZONE
----	----
ALL	ALL

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\* COMMON/DEDICATED SPLIT \*\*\*\*\*

Trunk Group Definition

	Common	Dedicated
TDM-POT		X
EO-POT		X

48

STUDY: FLACCD DESC:  
TYPE : AX SVC : Feature Group D

\*\*\*\*\* SCIS DATA \*\*\*\*\*

Assume All Common Channel Signalling: A

Investment per Octet:

Plant Acct	Link	STP
10C	0.000000	0.000000
1C	.000001	0.000000
20C	0.000000	0.000000
22C	0.000000	0.000000
357C	0.000000	0.000000
377C	0.000000	0.000000
3C	0.000000	0.000000
45C	0.000000	0.000000
4C	0.000000	0.000000
57C	0.000000	0.000000
5C	0.000000	0.000000
6C	0.000000	0.000000
811C	0.000000	0.000000
822C	0.000000	0.000000
845C	0.000000	0.000000
84C	0.000000	0.000000
85C	0.000000	0.000000

\*\*\*\*\* TRAFFIC USE CODES \*\*\*\*\*

Use All Traffic Use Codes: Y

STUDY: FLACCD DESC:  
TYPE : AX SVC :- Feature Group D

\*\*\*\*\* STUDY SW EQPT \*\*\*\*\*

***** END OFFICE *****		***** TANDEM *****	
Sw Eqpt	Status	Sw Eqpt	Status
-----	-----	-----	-----
ALL		ALL	

\*\*\*\*\* STUDY OWNERSHIP CODES \*\*\*\*\*

***** SWITCHING *****		***** TRUNKING *****	
Owner	Status	Owner	Status
-----	-----	-----	-----
ALL		ALL	