

Confidential Release

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Date of Confidential Document:

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Today's Date: APR 25 2011

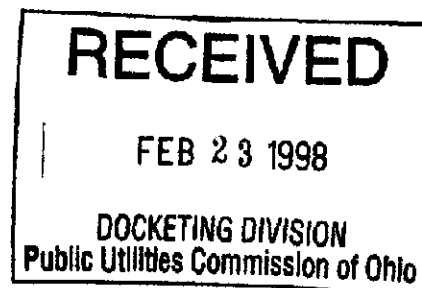
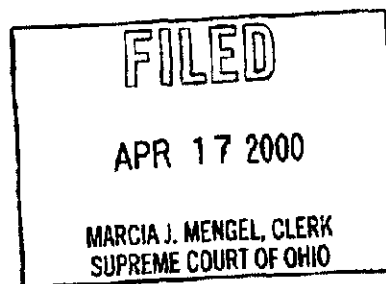
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Part I Exhibit #1 + 1st part of Exhibit #2

MCI Exhibits

1-48

00-0507



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Technician Am Date Processed APR 25 2011

ACCESS LINE COST STUDY

MCI DCP
Ex No. 1
CDR 112697

Summary of Monthly Costs

Service	Total Monthly Cost		
	Band 1 (A)	Band 2 (B)	Band 3 (C)
Residence Access Line - Flat Rate	\$25.13	\$29.51	\$42.63
Residence Access Line - Measured	\$20.26	\$24.50	\$36.90
Business Non-Hunt Line - Flat Rate	\$23.09	\$27.35	\$39.57
Business Hunt Line - Flat Rate	\$23.60	\$27.82	\$40.01
PBX Trunk - Flat Rate	\$27.74	\$31.78	\$38.22
DID Trunk	\$34.02	\$38.04	\$40.69
Centrex Non-Attendant Lines:			
Centrex < 20 Lines - Flat Rate	\$26.08	\$29.89	na
Centrex 21 - 100 Lines - Flat Rate	\$24.22	\$28.13	na
Centrex > 100 Lines - Flat Rate	\$23.59	\$27.54	na
Centrex ISDN < 20 Lines - Flat Rate	\$38.22	\$47.93	na
Centrex ISDN 21 - 100 Lines - Flat Rate	\$36.35	\$46.17	na
Centrex ISDN > 100 Lines - Flat Rate	\$35.73	\$45.58	na
Centrex Attendant Lines:			
Centrex < 20 Lines - Flat Rate	\$31.54	\$35.35	na
Centrex 21 - 100 Lines - Flat Rate	\$29.68	\$33.59	na
Centrex > 100 Lines - Flat Rate	\$29.05	\$33.00	na
Centrex ISDN < 20 Lines - Flat Rate	\$41.50	\$51.21	na
Centrex ISDN 21 - 100 Lines - Flat Rate	\$39.63	\$49.45	na
Centrex ISDN > 100 Lines - Flat Rate	\$39.01	\$48.86	na
Residence ISDN Line - Flat Rate	\$49.79	\$57.11	na
Business ISDN Line - Flat Rate	\$40.85	\$49.92	na
COCOT 70 Call Line	\$17.23	\$21.73	\$30.43
COCOT 650 Call Line	\$25.39	\$28.83	\$37.40
Semi-Public Line	\$22.68	\$31.47	\$37.65

CONFIDENTIAL
NOTICE: MUST BE GIVEN
PRIOR TO RELEASE TO PUBLIC
PROVIDED TO PUCO

Residence Line Basic Exchange Service Monthly Cost

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total Monthly Cost (C)=(B)+(A)
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$2.71	\$0.33	\$3.04
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$19.63	\$0.63	\$20.26
5	Local Usage	\$3.23	\$1.65	\$4.88
6	Total Monthly Cost	\$22.86	\$2.27	\$25.13
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$2.94	\$0.36	\$3.30
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$23.76	\$0.75	\$24.50
11	Local Usage	\$3.25	\$1.76	\$5.01
12	Total Monthly Cost	\$27.00	\$2.51	\$29.51
Band 3				
13	Local Loop	\$27.99	\$0.77	\$28.76
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.46	\$0.01	\$0.46
16	Total Access Line	\$35.29	\$1.61	\$36.90
17	Local Usage	\$3.56	\$2.18	\$5.73
18	Total Monthly Cost	\$38.84	\$3.79	\$42.63

SOURCES:

Line 1, Columns A & B:	Tab B, Page 17 Col. A, Lines 4 & 8, resp.
Line 2, Columns A & B:	Tab C, Page 17 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 17 Line 3, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Line 8, Columns A & B:	Tab C, Page 17 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 17 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 17 Col. C, Lines 4 & 8, resp.
Line 14, Columns A & B:	Tab C, Page 17 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 17, Columns A & B:	Tab D, Page 17 Line 15, Columns A & B, resp.

Business Non-Hunt Basic Exchange Service Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$2.45	\$0.30	\$2.75
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$19.37	\$0.59	\$19.97
5	Local Usage	\$2.04	\$1.09	\$3.13
6	Total Monthly Cost	\$21.41	\$1.68	\$23.09
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$2.85	\$0.35	\$3.20
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$23.67	\$0.73	\$24.40
11	Local Usage	\$1.89	\$1.05	\$2.95
12	Total Monthly Cost	\$25.56	\$1.79	\$27.35
Band 3				
13	Local Loop	\$27.99	\$0.77	\$28.76
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.46	\$0.01	\$0.46
16	Total Access Line	\$35.29	\$1.61	\$36.90
17	Local Usage	\$1.53	\$1.13	\$2.66
18	Total Monthly Cost	\$36.82	\$2.75	\$39.57

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:
 Line 13, Columns A & B:
 Line 14, Columns A & B:
 Line 15, Columns A & B:
 Line 17, Columns A & B:

Tab B, Page 17 Col. A, Lines 4 & 8, resp.
 Tab C, Page 17 Line 3, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
 Tab D, Page 17 Line 5, Columns A & B, resp.
 Tab B, Page 17 Col. B, Lines 4 & 8, resp.
 Tab C, Page 17 Line 6, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
 Tab D, Page 17 Line 10, Columns A & B, resp.
 Tab B, Page 17 Col. C, Lines 4 & 8, resp.
 Tab C, Page 17 Line 9, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
 Tab D, Page 17 Line 15, Columns A & B, resp.

Business Hunt Basic Exchange Service Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$2.45	\$0.30	\$2.75
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$19.37	\$0.59	\$19.97
5	Local Usage	\$2.37	\$1.26	\$3.63
6	Total Monthly Cost	\$21.75	\$1.85	\$23.60
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$2.85	\$0.35	\$3.20
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$23.67	\$0.73	\$24.40
11	Local Usage	\$2.21	\$1.22	\$3.43
12	Total Monthly Cost	\$25.87	\$1.95	\$27.82
Band 3				
13	Local Loop	\$27.99	\$0.77	\$28.76
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.46	\$0.01	\$0.46
16	Total Access Line	\$35.29	\$1.61	\$36.90
17	Local Usage	\$1.79	\$1.33	\$3.11
18	Total Monthly Cost	\$37.07	\$2.94	\$40.01

SOURCES:

Line 1, Columns A & B:	Tab B, Page 17 Col. A, Lines 4 & 8, resp.
Line 2, Columns A & B:	Tab C, Page 17 Line 3, Columns A & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 17 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Line 8, Columns A & B:	Tab C, Page 17 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 17 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 17 Col. C, Lines 4 & 8, resp.
Line 14, Columns A & B:	Tab C, Page 17 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 17, Columns A & B:	Tab D, Page 17 Line 15, Columns A & B, resp.

PBX Trunk Basic Exchange Service Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.13	\$0.96	\$17.09
2	Central Office Termination	\$2.45	\$0.30	\$2.75
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$19.04	\$1.27	\$20.30
5	Local Usage	\$4.83	\$2.60	\$7.43
6	Total Monthly Cost	\$23.87	\$3.86	\$27.74
Band 2				
7	Local Loop	\$19.86	\$1.25	\$21.10
8	Central Office Termination	\$2.85	\$0.35	\$3.20
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$23.16	\$1.60	\$24.77
11	Local Usage	\$4.50	\$2.51	\$7.02
12	Total Monthly Cost	\$27.66	\$4.12	\$31.78
Band 3				
13	Local Loop	\$22.55	\$1.21	\$23.76
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.46	\$0.01	\$0.46
16	Total Access Line	\$29.85	\$2.05	\$31.90
17	Local Usage	\$3.63	\$2.69	\$6.32
18	Total Monthly Cost	\$33.48	\$4.74	\$38.22

SOURCES:

Line 1, Columns A & B:	Tab B, Page 4 Line 3, Columns B & C, resp.
Line 2, Columns A & B:	Tab C, Page 4 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 4 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 4 Line 6, Columns B & C, resp.
Line 8, Columns A & B:	Tab C, Page 4 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 4 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 4 Line 9, Columns B & C, resp.
Line 14, Columns A & B:	Tab C, Page 4 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 17, Columns A & B:	Tab D, Page 4 Line 15, Columns A & B, resp.

DID Trunk Basic Exchange Service Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.13	\$0.96	\$17.09
2	Central Office Termination	\$14.71	\$1.81	\$16.51
3	Other Expenses	\$0.41	\$0.01	\$0.42
4	Total Access Line	\$31.25	\$2.77	\$34.02
5	Local Usage	\$0.00	\$0.00	\$0.00
6	Total Monthly Cost	\$31.25	\$2.77	\$34.02
Band 2				
7	Local Loop	\$19.86	\$1.25	\$21.10
8	Central Office Termination	\$14.71	\$1.81	\$16.51
9	Other Expenses	\$0.41	\$0.01	\$0.42
10	Total Access Line	\$34.98	\$3.06	\$38.04
11	Local Usage	\$0.00	\$0.00	\$0.00
12	Total Monthly Cost	\$34.98	\$3.06	\$38.04
Band 3				
13	Local Loop	\$22.55	\$1.21	\$23.76
14	Central Office Termination	\$14.71	\$1.81	\$16.51
15	Other Expenses	\$0.41	\$0.01	\$0.42
16	Total Access Line	\$37.67	\$3.02	\$40.69
17	Local Usage	\$0.00	\$0.00	\$0.00
18	Total Monthly Cost	\$37.67	\$3.02	\$40.69

SOURCES:

Line 1, Columns A & B:	Tab B, Page 5 Line 3, Columns B & C, resp.
Line 2, Columns A & B:	Tab C, Page 5 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 5 Line 9, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 5 Line 6, Columns B & C, resp.
Line 8, Columns A & B:	Tab C, Page 5 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 5 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 5 Line 9, Columns B & C, resp.
Line 14, Columns A & B:	Tab C, Page 5 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 1, L.29 + Page 4, Col. A & B
Line 17, Columns A & B:	Tab D, Page 5 Line 15, Columns A & B, resp.

Centrex Access Line (< 20 Lines) Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$5.11	\$0.63	\$5.74
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$22.03	\$0.92	\$22.96
5	Local Usage	\$2.04	\$1.09	\$3.13
6	Total Monthly Cost	\$24.07	\$2.01	\$26.08
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$5.11	\$0.63	\$5.74
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$25.93	\$1.01	\$26.94
11	Local Usage	\$1.89	\$1.05	\$2.95
12	Total Monthly Cost	\$27.82	\$2.07	\$29.89
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:	Tab B, Page 17 Col. A, Lines 4 & 8, resp.
Line 2, Columns A & B:	Tab C, Page 17 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 17 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Line 8, Columns A & B:	Tab C, Page 17 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 17 Line 10, Columns A & B, resp. Col. C, Lines 4 & 8, resp.

Centrex Access Line (21 - 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$5.11	\$0.63	\$5.74
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$22.03	\$0.92	\$22.96
5	Local Usage	\$0.82	\$0.44	\$1.26
6	Total Monthly Cost	\$22.85	\$1.36	\$24.22
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$5.11	\$0.63	\$5.74
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$25.93	\$1.01	\$26.94
11	Local Usage	\$0.76	\$0.43	\$1.19
12	Total Monthly Cost	\$26.69	\$1.44	\$28.13
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:	Tab B, Page 17 Col. A, Lines 12 & 13, resp.
Line 2, Columns A & B:	Tab C, Page 17 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 17 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Line 8, Columns A & B:	Tab C, Page 17 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 17 Line 10, Columns A & B, resp. Col. C, Lines 4 & 8, resp.

Centrex Access Line (> 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$5.11	\$0.63	\$5.74
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$22.03	\$0.92	\$22.96
5	Local Usage	\$0.42	\$0.22	\$0.64
6	Total Monthly Cost	\$22.45	\$1.15	\$23.59
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$5.11	\$0.63	\$5.74
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$25.93	\$1.01	\$26.94
11	Local Usage	\$0.39	\$0.22	\$0.60
12	Total Monthly Cost	\$26.31	\$1.23	\$27.54
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:	Tab B, Page 17 Col. A, Lines 4 & 8, resp.
Line 2, Columns A & B:	Tab C, Page 17 Line 3, Columns A & B, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 17 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Line 8, Columns A & B:	Tab C, Page 17 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 17 Line 10, Columns A & B, resp. Col. C, Lines 4 & 8, resp.

Centrex ISDN Access Line (< 20 Lines) **Monthly Cost**

<u>Geographic Area</u>	<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1			
1 Local Loop	\$14.80	\$0.15	\$14.95
2 Central Office Termination	\$16.81	\$2.06	\$18.87
3 Other Expenses	\$1.27	\$0.01	\$1.27
4 Total Access Line	\$32.87	\$2.22	\$35.09
5 Local Usage (1 Channel)	\$2.04	\$1.09	\$3.13
6 Total Monthly Cost	\$34.91	\$3.31	\$38.22
Band 2			
7 Local Loop	\$23.96	\$0.88	\$24.84
8 Central Office Termination	\$16.81	\$2.06	\$18.87
9 Other Expenses	\$1.27	\$0.01	\$1.27
10 Total Access Line	\$42.03	\$2.95	\$44.98
11 Local Usage (1 Channel)	\$1.89	\$1.05	\$2.95
12 Total Monthly Cost	\$43.93	\$4.00	\$47.93
Band 3			
13 Local Loop	na	na	na
14 Central Office Termination	na	na	na
15 Other Expenses	na	na	na
16 Total Access Line	na	na	na
17 Local Usage (1 Channel)	na	na	na
18 Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:

Line 2, Columns A & B:

Line 3, Columns A & B:

Line 5, Columns A & B:

Line 7, Columns A & B:

Line 8, Columns A & B:

Line 9, Columns A & B:

Line 11, Columns A & B:

Tab B, Page

Tab C, Page

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2

Tab D, Page

Tab B, Page

Tab C, Page

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2

Tab D, Page

9 Line 3, Columns B & C, resp.

9 Line 3, Columns B & C, resp.

9 Line 5, Columns A & B, resp.

9 Line 6, Columns B & C, resp.

9 Line 6, Columns B & C, resp.

9 Line 6, Columns B & C, resp.

9 Line 10, Columns A & B, resp.

9 Line 10, Columns A & B, resp.

Centrex ISDN Access Line (21 - 100 Lines) Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$16.81	\$2.06	\$18.87
3	Other Expenses	\$1.27	\$0.01	\$1.27
4	Total Access Line	\$32.87	\$2.22	\$35.09
5	Local Usage (1 Channel)	\$0.82	\$0.44	\$1.26
6	Total Monthly Cost	\$33.70	\$2.66	\$36.35
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$16.81	\$2.06	\$18.87
9	Other Expenses	\$1.27	\$0.01	\$1.27
10	Total Access Line	\$42.03	\$2.95	\$44.98
11	Local Usage (1 Channel)	\$0.76	\$0.43	\$1.19
12	Total Monthly Cost	\$42.80	\$3.37	\$46.17
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
Line 2, Columns A & B:
Line 3, Columns A & B:
Line 5, Columns A & B:
Line 7, Columns A & B:
Line 8, Columns A & B:
Line 9, Columns A & B:
Line 11, Columns A & B:

Tab B, Page 9 Line 3, Columns B & C, resp.
Tab C, Page 9 Line 3, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2
Tab D, Page 9 Line 5, Columns A & B, resp.
Tab B, Page 9 Line 6, Columns B & C, resp.
Tab C, Page 9 Line 6, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2
Tab D, Page 9 Line 10, Columns A & B, resp.

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**Centrex ISDN Access Line (> 100 Lines)
Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$16.81	\$2.06	\$18.87
3	Other Expenses	\$1.27	\$0.01	\$1.27
4	Total Access Line	\$32.87	\$2.22	\$35.09
5	Local Usage (1 Channel)	\$0.42	\$0.22	\$0.64
6	Total Monthly Cost	\$33.29	\$2.44	\$35.73
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$16.81	\$2.06	\$18.87
9	Other Expenses	\$1.27	\$0.01	\$1.27
10	Total Access Line	\$42.03	\$2.95	\$44.98
11	Local Usage (1 Channel)	\$0.39	\$0.22	\$0.60
12	Total Monthly Cost	\$42.42	\$3.16	\$45.58
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
Line 2, Columns A & B:
Line 3, Columns A & B:
Line 5, Columns A & B:
Line 7, Columns A & B:
Line 8, Columns A & B:
Line 9, Columns A & B:
Line 11, Columns A & B:

Tab B, Page 9 Line 3, Columns B & C, resp.

Tab C, Page 9 Line 3, Columns B & C, resp.

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2

Tab D, Page 9 Line 5, Columns A & B, resp.

Tab B, Page 9 Line 6, Columns B & C, resp.

Tab C, Page 9 Line 6, Columns B & C, resp.

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2

Tab D, Page 9 Line 10, Columns A & B, resp.

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PRIOR TO REFERENCE TO PUBLIC
PROVIDED TO PUBLIC

Residence ISDN Access Line Monthly Cost

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total Monthly Cost (C)=(B)+(A)
Band 1				
1	Local Loop	\$21.16	\$0.39	\$21.55
2	Central Office Termination	\$14.73	\$1.80	\$16.53
3	Other Expenses	\$6.83	\$0.01	\$6.83
4	Total Access Line	\$42.71	\$2.20	\$44.91
5	Local Usage (1 Channel)	\$3.23	\$1.65	\$4.88
6	Total Monthly Cost	\$45.94	\$3.85	\$49.79
Band 2				
7	Local Loop	\$28.31	\$0.80	\$29.11
8	Central Office Termination	\$14.40	\$1.76	\$16.16
9	Other Expenses	\$6.83	\$0.01	\$6.83
10	Total Access Line	\$49.53	\$2.57	\$52.10
11	Local Usage (1 Channel)	\$3.25	\$1.76	\$5.01
12	Total Monthly Cost	\$52.78	\$4.33	\$57.11
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
Line 2, Columns A & B:
Line 3, Columns A & B:
Line 5, Columns A & B:
Line 7, Columns A & B:
Line 8, Columns A & B:
Line 9, Columns A & B:
Line 11, Columns A & B:

Tab B, Page 12 Line 3, Columns B & C, resp.
Tab C, Page 12 Line 3, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.1
Tab D, Page 12 Line 5, Columns A & B, resp.
Tab B, Page 12 Line 6, Columns B & C, resp.
Tab C, Page 12 Line 6, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.1
Tab D, Page 12 Line 10, Columns A & B, resp.

Business ISDN Access Line Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$14.95	\$1.83	\$16.78
3	Other Expenses	\$6.83	\$0.01	\$6.83
4	Total Access Line	\$36.57	\$1.98	\$38.56
5	Local Usage (1 Channel)	\$1.47	\$0.83	\$2.30
6	Total Monthly Cost	\$38.04	\$2.81	\$40.85
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$14.33	\$1.75	\$16.08
9	Other Expenses	\$6.83	\$0.01	\$6.83
10	Total Access Line	\$45.11	\$2.64	\$47.75
11	Local Usage (1 Channel)	\$1.38	\$0.80	\$2.18
12	Total Monthly Cost	\$46.49	\$3.43	\$49.92
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:

Tab B, Page 13 Line 3, Columns B & C, resp.
 Tab C, Page 13 Line 3, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.1
 Tab D, Page 13 Line 5, Columns A & B, resp.
 Tab B, Page 13 Line 6, Columns B & C, resp.
 Tab C, Page 13 Line 6, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.1
 Tab D, Page 13 Line 10, Columns A & B, resp.

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COCOT 70 Call Allowance Service Monthly Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$13.25	\$0.19	\$13.45
2	Central Office Termination	\$2.45	\$0.30	\$2.75
3	Other Expenses	\$0.04	\$0.00	\$0.04
4	Total Access Line	\$15.75	\$0.49	\$16.24
5	Local Usage	\$0.64	\$0.34	\$0.99
6	Total Monthly Cost	\$16.39	\$0.83	\$17.23
Band 2				
7	Local Loop	\$16.62	\$0.35	\$16.96
8	Central Office Termination	\$2.85	\$0.35	\$3.20
9	Other Expenses	\$0.04	\$0.00	\$0.04
10	Total Access Line	\$19.51	\$0.70	\$20.20
11	Local Usage	\$0.60	\$0.33	\$0.93
12	Total Monthly Cost	\$20.11	\$1.03	\$21.13
Band 3				
13	Local Loop	\$21.23	\$0.63	\$21.86
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.04	\$0.01	\$0.05
16	Total Access Line	\$28.12	\$1.47	\$29.59
17	Local Usage	\$0.48	\$0.36	\$0.84
18	Total Monthly Cost	\$28.60	\$1.83	\$30.43

SOURCES:

Line 1, Columns A & B:	Tab B, Page 14 Line 3, Columns B & C, resp.
Line 2, Columns A & B:	Tab C, Page 14 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 2, L.10
Line 5, Columns A & B:	Tab D, Page 14 Line 4, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 14 Line 6, Columns B & C, resp.
Line 8, Columns A & B:	Tab C, Page 14 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 2, L.10
Line 11, Columns A & B:	Tab D, Page 14 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 14 Line 10, Columns B & C, resp.
Line 14, Columns A & B:	Tab C, Page 14 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 2, L.10
Line 17, Columns A & B:	Tab D, Page 14 Line 15, Columns A & B, resp.

COCOT 650 Call Allowance Service Monthly Cost

<u>Geographic Area</u>	<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1			
1 Local Loop	\$13.25	\$0.19	\$13.45
2 Central Office Termination	\$2.45	\$0.30	\$2.75
3 Other Expenses	\$0.04	\$0.00	\$0.04
4 Total Access Line	\$15.75	\$0.49	\$16.24
5 Local Usage	\$5.96	\$3.18	\$9.15
6 Total Monthly Cost	\$21.71	\$3.67	\$25.39
Band 2			
7 Local Loop	\$16.62	\$0.35	\$16.96
8 Central Office Termination	\$2.85	\$0.35	\$3.20
9 Other Expenses	\$0.04	\$0.00	\$0.04
10 Total Access Line	\$19.51	\$0.70	\$20.20
11 Local Usage	\$5.55	\$3.08	\$8.63
12 Total Monthly Cost	\$25.06	\$3.78	\$28.83
Band 3			
13 Local Loop	\$21.23	\$0.63	\$21.86
14 Central Office Termination	\$6.84	\$0.84	\$7.68
15 Other Expenses	\$0.04	\$0.01	\$0.05
16 Total Access Line	\$28.12	\$1.47	\$29.59
17 Local Usage	\$4.48	\$3.33	\$7.81
18 Total Monthly Cost	\$32.60	\$4.80	\$37.40

SOURCES:

Line 1, Columns A & B:	Tab B, Page 15 Line 3, Columns B & C, resp.
Line 2, Columns A & B:	Tab C, Page 15 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 2, L.10
Line 5, Columns A & B:	Tab D, Page 15 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 15 Line 6, Columns B & C, resp.
Line 8, Columns A & B:	Tab C, Page 15 Line 6, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 2, L.10
Line 11, Columns A & B:	Tab D, Page 15 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 15 Line 9, Columns B & C, resp.
Line 14, Columns A & B:	Tab C, Page 15 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 2, L.10
Line 17, Columns A & B:	Tab D, Page 15 Line 15, Columns A & B, resp.

Semi-Public Service Monthly Cost

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total Monthly Cost (C)=(B)+(A)
Band 1				
1	Local Loop	\$18.64	\$0.83	\$19.46
2	Central Office Termination	\$2.45	\$0.30	\$2.75
3	Other Expenses	\$0.46	\$0.01	\$0.46
4	Total Access Line	\$21.55	\$1.13	\$22.68
5	Local Usage	\$0.00	\$0.00	\$0.00
6	Total Monthly Cost	\$21.55	\$1.13	\$22.68
Band 2				
7	Local Loop	\$25.99	\$1.45	\$27.44
8	Central Office Termination	\$2.85	\$0.35	\$3.20
9	Other Expenses	\$0.46	\$0.01	\$0.46
10	Total Access Line	\$29.30	\$1.81	\$31.11
11	Local Usage	\$0.00	\$0.00	\$0.00
12	Total Monthly Cost	\$29.30	\$1.81	\$31.11
Band 3				
13	Local Loop	\$28.15	\$1.36	\$29.51
14	Central Office Termination	\$6.84	\$0.84	\$7.68
15	Other Expenses	\$0.46	\$0.01	\$0.46
16	Total Access Line	\$35.45	\$2.21	\$37.65
17	Local Usage	\$0.00	\$0.00	\$0.00
18	Total Monthly Cost	\$35.45	\$2.21	\$37.65

SOURCES:

Line 1, Columns A & B:	Tab B, Page 16 Line 3, Columns B & C, resp.
Line 2, Columns A & B:	Tab C, Page 16 Line 3, Columns B & C, resp.
Line 3, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 5, Columns A & B:	Tab D, Page 16 Line 5, Columns A & B, resp.
Line 7, Columns A & B:	Tab B, Page 16 Line 6, Columns B & C, resp.
Line 8, Columns A & B:	Tab C, Page 16 Line 9, Columns B & C, resp.
Line 9, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 11, Columns A & B:	Tab D, Page 16 Line 10, Columns A & B, resp.
Line 13, Columns A & B:	Tab B, Page 16 Line 9, Columns B & C, resp.
Line 14, Columns A & B:	Tab C, Page 16 Line 9, Columns B & C, resp.
Line 15, Columns A & B:	Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Line 17, Columns A & B:	Tab D, Page 16 Line 15, Columns A & B, resp.

**Centrex Attendant Attendant Access Line (< 20 Lines)
Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$7.07	\$0.86	\$7.93
3	Other Expenses	\$3.73	\$0.01	\$3.73
4	Total Access Line	\$27.26	\$1.15	\$28.42
5	Local Usage	\$2.04	\$1.09	\$3.13
6	Total Monthly Cost	\$29.30	\$2.24	\$31.54
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$7.07	\$0.86	\$7.93
9	Other Expenses	\$3.73	\$0.01	\$3.73
10	Total Access Line	\$31.16	\$1.24	\$32.40
11	Local Usage	\$1.89	\$1.05	\$2.95
12	Total Monthly Cost	\$33.05	\$2.30	\$35.35
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
Line 2, Columns A & B:
Line 3, Columns A & B:
Line 5, Columns A & B:
Line 7, Columns A & B:
Line 8, Columns A & B:
Line 9, Columns A & B:
Line 11, Columns A & B:

Tab B, Page 17 Col. A, Lines 4 & 8, resp.
Tab C, Page 17 Line 3, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Tab D, Page 17 Line 5, Columns A & B, resp.
Tab B, Page 17 Col. B, Lines 4 & 8, resp.
Tab C, Page 17 Line 6, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
Tab D, Page 17 Line 10, Columns A & B, resp.
Col. C, Lines 4 & 8, resp.

Centrex Attendant Access Line (21 - 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$7.07	\$0.86	\$7.93
3	Other Expenses	\$3.73	\$0.01	\$3.73
4	Total Access Line	\$27.26	\$1.15	\$28.42
5	Local Usage	\$0.82	\$0.44	\$1.26
6	Total Monthly Cost	\$28.08	\$1.59	\$29.68
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$7.07	\$0.86	\$7.93
9	Other Expenses	\$3.73	\$0.01	\$3.73
10	Total Access Line	\$31.16	\$1.24	\$32.40
11	Local Usage	\$0.76	\$0.43	\$1.19
12	Total Monthly Cost	\$31.92	\$1.67	\$33.59
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:

Tab B, Page 17 Col. A, Lines 4 & 8, resp.
 Tab C, Page 17 Line 3, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
 Tab D, Page 17 Line 5, Columns A & B, resp.
 Tab B, Page 17 Col. A, Lines 4 & 8, resp.
 Tab C, Page 17 Line 6, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B
 Tab D, Page 17, Line 10, Columns A & B, resp.
 Col. C, Lines 4 & 8, resp.

Centrex Attendant Access Line (> 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$16.46	\$0.29	\$16.75
2	Central Office Termination	\$7.07	\$0.86	\$7.93
3	Other Expenses	\$3.73	\$0.01	\$3.73
4	Total Access Line	\$27.26	\$1.15	\$28.42
5	Local Usage	\$0.42	\$0.22	\$0.64
6	Total Monthly Cost	\$27.68	\$1.38	\$29.05
Band 2				
7	Local Loop	\$20.36	\$0.38	\$20.74
8	Central Office Termination	\$7.07	\$0.86	\$7.93
9	Other Expenses	\$3.73	\$0.01	\$3.73
10	Total Access Line	\$31.16	\$1.24	\$32.40
11	Local Usage	\$0.39	\$0.22	\$0.60
12	Total Monthly Cost	\$31.54	\$1.46	\$33.00
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:

Tab B, Page 17 Col. A, Lines 4 & 8, resp.

Tab C, Page 17 Line 3, Columns B & C, resp.

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B

Tab D, Page 17 Line 5, Columns A & B, resp.

Tab B, Page 17 Col. B, Lines 4 & 8, resp.

Tab C, Page 17 Line 6, Columns B & C, resp.

Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, Col. A & B

Tab D, Page 17 Line 10, Columns A & B, resp.

Col. C, Lines 4 & 8, resp.

**Centrex ISDN Attendant Access Line (< 20 Lines)
Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$16.82	\$2.06	\$18.88
3	Other Expenses	\$4.54	\$0.01	\$4.54
4	Total Access Line	\$36.15	\$2.22	\$38.37
5	Local Usage (1 Channel)	\$2.04	\$1.09	\$3.13
6	Total Monthly Cost	\$38.19	\$3.31	\$41.50
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$16.81	\$2.06	\$18.87
9	Other Expenses	\$4.54	\$0.01	\$4.54
10	Total Access Line	\$45.30	\$2.95	\$48.25
11	Local Usage (1 Channel)	\$1.89	\$1.05	\$2.95
12	Total Monthly Cost	\$47.20	\$4.00	\$51.20
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
Line 2, Columns A & B:
Line 3, Columns A & B:
Line 5, Columns A & B:
Line 7, Columns A & B:
Line 8, Columns A & B:
Line 9, Columns A & B:
Line 11, Columns A & B:

Tab B, Page 9 Line 3, Columns B & C, resp.
Tab C, Page 9 Line 3, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + R. 5, L.2
Tab D, Page 9 Line 5, Columns A & B, resp.
Tab B, Page 9 Line 6, Columns B & C, resp.
Tab C, Page 9 Line 6, Columns B & C, resp.
Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2
Tab D, Page 9 Line 10, Columns A & B, resp.

Centrex ISDN Attendant Access Line (21 - 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$16.82	\$2.06	\$18.88
3	Other Expenses	\$4.54	\$0.01	\$4.54
4	Total Access Line	\$36.15	\$2.22	\$38.37
5	Local Usage (1 Channel)	\$0.82	\$0.44	\$1.26
6	Total Monthly Cost	\$36.98	\$2.66	\$39.63
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$16.82	\$2.06	\$18.88
9	Other Expenses	\$4.54	\$0.01	\$4.54
10	Total Access Line	\$45.31	\$2.95	\$48.26
11	Local Usage (1 Channel)	\$0.76	\$0.43	\$1.19
12	Total Monthly Cost	\$46.08	\$3.37	\$49.45
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:

Tab B, Page 9 Line 3, Columns B & C, resp.
 Tab C, Page 9 Line 3, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1
 Tab D, Page 9 Line 5, Columns A & B, resp.
 Tab B, Page 9 Line 5, Columns B & C, resp.
 Tab C, Page 9 Line 5, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2
 Tab D, Page 9 Line 10, Columns A & B, resp.

Centrex ISDN Attendant Access Line (> 100 Lines) **Monthly Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Monthly Cost (C)=(B)+(A)</u>
Band 1				
1	Local Loop	\$14.80	\$0.15	\$14.95
2	Central Office Termination	\$16.82	\$2.06	\$18.88
3	Other Expenses	\$4.54	\$0.01	\$4.54
4	Total Access Line	\$36.15	\$2.22	\$38.37
5	Local Usage (1 Channel)	\$0.42	\$0.22	\$0.64
6	Total Monthly Cost	\$36.57	\$2.44	\$39.01
Band 2				
7	Local Loop	\$23.96	\$0.88	\$24.84
8	Central Office Termination	\$16.82	\$2.06	\$18.88
9	Other Expenses	\$4.54	\$0.01	\$4.54
10	Total Access Line	\$45.31	\$2.95	\$48.26
11	Local Usage (1 Channel)	\$0.39	\$0.22	\$0.60
12	Total Monthly Cost	\$45.70	\$3.16	\$48.86
Band 3				
13	Local Loop	na	na	na
14	Central Office Termination	na	na	na
15	Other Expenses	na	na	na
16	Total Access Line	na	na	na
17	Local Usage (1 Channel)	na	na	na
18	Total Monthly Cost	na	na	na

SOURCES:

Line 1, Columns A & B:
 Line 2, Columns A & B:
 Line 3, Columns A & B:
 Line 5, Columns A & B:
 Line 7, Columns A & B:
 Line 8, Columns A & B:
 Line 9, Columns A & B:
 Line 11, Columns A & B:

Tab B, Page 9 Line 3, Columns B & C, resp.
 Tab C, Page 9 Line 3, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page E, L.10 + Page 4, L.1 + P. 5, L.2
 Tab D, Page 9 Line 5, Columns A & B, resp.
 Tab B, Page 9 Line 6, Columns B & C, resp.
 Tab C, Page 9 Line 6, Columns B & C, resp.
 Tab E, Page 1, L.29 + Page 2, L.10 + Page 4, L.1 + P. 5, L.2
 Tab D, Page 9 Line 10, Columns A & B, resp.

Summary of Monthly Costs

Service	Total Monthly Cost			Average (D)
	Band 1 (A)	Band 2 (B)	Band 3 (C)	
1 Residence Access Line - Flat Rate	\$25.13	\$29.51	\$42.63	\$26.96
Band Percentage of Total	70.29%	25.69%	4.02%	
2 Residence Access Line - Measured	\$20.26	\$24.50	\$36.90	\$22.02
Band Percentage of Total	70.29%	25.69%	4.02%	
3 Business Non-Hunt Line - Flat Rate	\$23.09	\$27.35	\$39.57	\$24.31
Band Percentage of Total	77.89%	19.82%	2.29%	
4 Business Hunt Line - Flat Rate	\$23.60	\$27.82	\$40.01	\$24.51
Band Percentage of Total	82.26%	16.47%	1.28%	
5 PBX Trunk - Flat Rate	\$27.74	\$31.78	\$38.22	\$28.18
Band Percentage of Total	89.37%	10.37%	0.26%	
6 DID Trunk	\$34.02	\$38.04	\$40.69	
7 Centrex < 20 Lines - Flat Rate	\$26.08	\$29.89	na	
8 Centrex 21 - 100 Lines - Flat Rate	\$24.22	\$28.13	na	
9 Centrex > 100 Lines - Flat Rate	\$23.59	\$27.54	na	
10 Centrex ISDN < 20 Lines - Flat Rate	\$38.22	\$47.93	na	
11 Centrex ISDN 21 - 100 Lines - Flat Rate	\$36.35	\$46.17	na	
12 Centrex ISDN > 100 Lines - Flat Rate	\$35.73	\$45.58	na	
13 Residence ISDN Line - Flat Rate	\$49.79	\$57.11	na	
14 Business ISDN Line - Flat Rate	\$40.85	\$49.82	na	
15 COCOT 70 Call Line	\$17.23	\$21.13	\$30.43	
16 COCOT 650 Call Line	\$25.39	\$28.83	\$37.40	
17 Semi-Public Line	\$22.68	\$31.71	\$37.65	

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Band Qty

1FR	354,942	70.29%
	129,724	25.69%
	20,318	4.02%
1FB	48,088	77.89%
	12,235	19.82%
	1,413	2.29%
1FH	44,050	82.26%
	8,818	16.47%
	684	1.28%
TFB	21,601	89.37%
	2,507	10.37%
	63	0.26%
B1M	5,005	80.34%
	1,064	17.08%
	161	2.58%
B1A	3,914	90.04%
	416	9.57%
	17	0.39%

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Residence Basic Exchange Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	57.4%	\$12.97	\$0.00	\$12.97
2	DLC	42.6%	\$23.62	\$0.75	\$24.37
3	Composite	100.0%	\$17.50	\$0.32	\$17.82
4 Band 2	Copper	49.6%	\$17.43	\$0.00	\$17.43
5	DLC	50.4%	\$25.65	\$0.77	\$26.42
6	Composite	100.0%	\$21.57	\$0.39	\$21.96
7 Band 3	Copper	45.1%	\$16.74	\$0.00	\$16.74
8	DLC	54.9%	\$41.22	\$1.48	\$42.70
9	Composite	100.0%	\$30.18	\$0.81	\$30.99

SOURCES:

The following sources refer to the Residence 1st Line Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Residence 1st Line Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Residence 1st Line Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Business Non-Hunt Basic Exchange Service **Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Business Hunt Basic Exchange Service **Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

PBX Trunk Basic Exchange Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$12.51	\$0.58	\$13.09
2	DLC	25.7%	\$26.61	\$2.06	\$28.67
3	Composite	100.0%	\$16.13	\$0.96	\$17.09
4 Band 2	Copper	54.9%	\$14.55	\$0.58	\$15.13
5	DLC	45.1%	\$26.31	\$2.06	\$28.37
6	Composite	100.0%	\$19.86	\$1.25	\$21.10
7 Band 3	Copper	57.8%	\$14.08	\$0.58	\$14.66
8	DLC	42.3%	\$34.13	\$2.06	\$36.19
9	Composite	100.0%	\$22.55	\$1.21	\$23.76

SOURCES:

The following sources refer to the PBX Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the PBX Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the PBX Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

DID Trunk Basic Exchange Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$12.51	\$0.58	\$13.09
2	DLC	25.7%	\$26.61	\$2.06	\$28.67
3	Composite	100.0%	\$16.13	\$0.96	\$17.09
4 Band 2	Copper	54.9%	\$14.55	\$0.58	\$15.13
5	DLC	45.1%	\$26.31	\$2.06	\$28.37
6	Composite	100.0%	\$19.86	\$1.25	\$21.10
7 Band 3	Copper	57.8%	\$14.08	\$0.58	\$14.66
8	DLC	42.3%	\$34.13	\$2.06	\$36.19
9	Composite	100.0%	\$22.55	\$1.21	\$23.76

SOURCES:

The following sources refer to the PBX Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the PBX Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the PBX Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

**Centrex Access Line (< 20 Lines)
Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Residence 1st Line Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Centrex Access Line (21 - 100 Lines)
Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

**Centrex Access Line (> 100 Lines)
Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

**Centrex ISDN Access Line (< 20 Lines)
Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$12.97	\$0.00	\$12.97
2	DLC	6.2%	\$42.35	\$2.41	\$44.76
3	Composite	100.0%	\$14.80	\$0.15	\$14.95
4 Band 2	Copper	65.2%	\$13.97	\$0.00	\$13.97
5	DLC	34.8%	\$42.70	\$2.53	\$45.23
6	Composite	100.0%	\$23.96	\$0.88	\$24.84
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$67.95	\$5.36	\$73.31
9	Composite	100.0%	\$35.52	\$2.26	\$37.79

SOURCES:

The following sources refer to the Business ISDN Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business ISDN Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Residence 1st Line Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Centrex ISDN Access Line (21 - 100 Lines)
Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$12.97	\$0.00	\$12.97
2	DLC	6.2%	\$42.35	\$2.41	\$44.76
3	Composite	100.0%	\$14.80	\$0.15	\$14.95
4 Band 2	Copper	65.2%	\$13.97	\$0.00	\$13.97
5	DLC	34.8%	\$42.70	\$2.53	\$45.23
6	Composite	100.0%	\$23.96	\$0.88	\$24.84
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$67.95	\$5.36	\$73.31
9	Composite	100.0%	\$35.52	\$2.26	\$37.79

SOURCES:

The following sources refer to the Business ISDN Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business ISDN Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business ISDN Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

**Centrex ISDN Access Line (> 100 Lines)
Monthly Loop Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$12.97	\$0.00	\$12.97
2	DLC	6.2%	\$42.35	\$2.41	\$44.76
3	Composite	100.0%	\$14.80	\$0.15	\$14.95
4 Band 2	Copper	65.2%	\$13.97	\$0.00	\$13.97
5	DLC	34.8%	\$42.70	\$2.53	\$45.23
6	Composite	100.0%	\$23.96	\$0.88	\$24.84
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$67.95	\$5.36	\$73.31
9	Composite	100.0%	\$35.52	\$2.26	\$37.79

SOURCES:

The following sources refer to the Business ISDN Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business ISDN Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
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 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business ISDN Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
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 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Residence ISDN Service Monthly Loop Cost

Geographic Area	Loop Length Category	Proportion of Loops (A)	Incremental Cost (B)	Allocated Joint Cost (C)	Total Monthly Cost (D)=(B)+(C)
1 Band 1	Copper	83.7%	\$16.19	\$0.00	\$16.19
2	DLC	16.3%	\$46.64	\$2.41	\$49.05
3	Composite	100.0%	\$21.16	\$0.39	\$21.55
4 Band 2	Copper	68.4%	\$20.19	\$0.00	\$20.19
5	DLC	31.7%	\$45.85	\$2.53	\$48.38
6	Composite	100.0%	\$28.31	\$0.80	\$29.11
7 Band 3	Copper	45.1%	\$16.74	\$0.00	\$16.74
8	DLC	54.9%	\$75.04	\$5.36	\$80.40
9	Composite	100.0%	\$48.75	\$2.94	\$51.69

SOURCES:

The following sources refer to the Residence ISDN Loop Study for Band 1.

- Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
- Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
- Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
- Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
- Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Residence ISDN Loop Study for Band 2.

- Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
- Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
- Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
- Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
- Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Residence ISDN Loop Study for Band 3.

- Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
- Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
- Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
- Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
- Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
- Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Business ISDN Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$12.97	\$0.00	\$12.97
2	DLC	6.2%	\$42.35	\$2.41	\$44.76
3	Composite	100.0%	\$14.80	\$0.15	\$14.95
4 Band 2	Copper	65.2%	\$13.97	\$0.00	\$13.97
5	DLC	34.8%	\$42.70	\$2.53	\$45.23
6	Composite	100.0%	\$23.96	\$0.88	\$24.84
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$67.95	\$5.36	\$73.31
9	Composite	100.0%	\$35.52	\$2.26	\$37.79

SOURCES:

The following sources refer to the Business ISDN Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
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 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business ISDN Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business ISDN Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

COCOT 70 Call Allowance Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Residence 1st Line Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

COCOT 650 Call Allowance Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$22.01	\$0.75	\$22.76
3	Composite	100.0%	\$13.25	\$0.19	\$13.45
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$21.90	\$0.77	\$22.67
6	Composite	100.0%	\$16.62	\$0.35	\$16.96
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$34.13	\$1.48	\$35.61
9	Composite	100.0%	\$21.23	\$0.63	\$21.86

SOURCES:

The following sources refer to the Business Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Business Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Business Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Semi-Public Service Monthly Loop Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$10.23	\$0.00	\$10.23
2	DLC	25.7%	\$42.98	\$3.22	\$46.20
3	Composite	100.0%	\$18.64	\$0.83	\$19.46
4 Band 2	Copper	54.9%	\$12.27	\$0.00	\$12.27
5	DLC	45.1%	\$42.68	\$3.22	\$45.90
6	Composite	100.0%	\$25.99	\$1.45	\$27.44
7 Band 3	Copper	57.8%	\$11.80	\$0.00	\$11.80
8	DLC	42.3%	\$50.50	\$3.22	\$53.72
9	Composite	100.0%	\$28.15	\$1.36	\$29.51

SOURCES:

The following sources refer to the Public Coin Loop Study for Band 1.

Line 1 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 1 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 1 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 2 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 2 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 2 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A

The following sources refer to the Public Coin Loop Study for Band 2.

Line 4 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 4 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 4 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 5 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 5 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 5 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A

The following sources refer to the Public Coin Loop Study for Band 3.

Line 7 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 7 Column B: Results Tab 1, Page 1 Report D, Sum of Lines 8 - 27
 Line 7 Column C: Results Tab 1, Page 1 Report D, Sum of Lines 30 - 49
 Line 8 Column A: Misc. Tab 4, Page 1, Column A, Line 5
 Line 8 Column B: Results Tab 5, Page 1 Report D, Sum of Lines 8 - 27
 Line 8 Column C: Results Tab 5, Page 1 Report D, Sum of Lines 30 - 49
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

Summary of Monthly Costs Composite Loop Cost

Service	Total Monthly Cost		
	Band 1 (A)	Band 2 (B)	Band 3 (C)
<u>Incremental Cost</u>			
1 Residence Loop	\$17.50	\$21.57	\$30.18
2 Business Loop	\$13.25	\$16.62	\$21.23
3 Percentage Residence Loops	75.6%	75.6%	75.6%
4 Composite Incremental Cost	\$16.46	\$20.36	\$27.99
<u>Allocated Joint Cost</u>			
5 Residence Loop	\$0.32	\$0.39	\$0.81
6 Business Loop	\$0.19	\$0.35	\$0.63
7 Percentage Residence Loops	75.6%	75.6%	75.6%
8 Composite Allocated Joint Cost	\$0.29	\$0.38	\$0.77
9 Total Composite Loop Cost	\$16.75	\$20.74	\$28.76

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**Residence Basic Exchange Service
Central Office Line Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	57.4%	\$2.06	\$0.25	\$2.31
2	DLC	42.6%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.71	\$0.33	\$3.04
4 Band 2	Copper	49.6%	\$2.07	\$0.25	\$2.32
5	DLC	50.4%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.94	\$0.36	\$3.30
7 Band 3	Copper	45.1%	\$6.84	\$0.84	\$7.68
8	DLC	54.9%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 1	Line 1	Column A	Line 1
Line 1	Column B:	Page 17	Column A	Line 1	
Line 1	Column C:	Page 17	Column B	Line 1	
Line 2	Column A:	Tab B, Page 1	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 2	
Line 2	Column C:	Page 17	Column B	Line 2	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B*Line 2, Col. A			
Line 4	Column A:	Tab B, Page 1	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 8	
Line 4	Column C:	Page 17	Column B	Line 8	
Line 5	Column A:	Tab B, Page 1	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 9	
Line 5	Column C:	Page 17	Column B	Line 9	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B*Line 5, Col. A			
Line 7	Column A:	Tab B, Page 1	Line 7	Column A	
Line 7	Column B:	Page 17	Column A	Line 15	
Line 7	Column C:	Page 17	Column B	Line 15	
Line 8	Column A:	Tab B, Page 1	Line 8	Column A	
Line 8	Column B:	Page 17	Column A	Line 15	
Line 8	Column C:	Page 17	Column B	Line 15	
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B*Line 8, Col. A			

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**Business Non-Hunt Basic Exchange Service
Central Office Line Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 2	Line 1	Column A	Line 1
Line 1	Column B:	Page 17	Column A	Line 1	
Line 1	Column C:	Page 17	Column B	Line 1	
Line 2	Column A:	Tab B, Page 2	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 2	
Line 2	Column C:	Page 17	Column B	Line 2	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B*Line 2, Col. A			
Line 4	Column A:	Tab B, Page 2	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 8	
Line 4	Column C:	Page 17	Column B	Line 8	
Line 5	Column A:	Tab B, Page 2	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 9	
Line 5	Column C:	Page 17	Column B	Line 9	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B*Line 5, Col. A			
Line 7	Column A:	Tab B, Page 2	Line 7	Column A	
Line 7	Column B:	Page 17	Column A	Line 15	
Line 7	Column C:	Page 17	Column B	Line 15	
Line 8	Column A:	Tab B, Page 2	Line 8	Column A	
Line 8	Column B:	Page 17	Column A	Line 15	
Line 8	Column C:	Page 17	Column B	Line 15	
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B*Line 8, Col. A			

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**Business Hunt Basic Exchange Service
Central Office Line Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 3	Line 1	Column A	Line 1
Line 1	Column B:	Page 17	Column A	Line 1	
Line 1	Column C:	Page 17	Column B	Line 1	
Line 2	Column A:	Tab B, Page 3	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 2	
Line 2	Column C:	Page 17	Column B	Line 2	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B*Line 2, Col. A			
Line 4	Column A:	Tab B, Page 3	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 8	
Line 4	Column C:	Page 17	Column B	Line 8	
Line 5	Column A:	Tab B, Page 3	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 9	
Line 5	Column C:	Page 17	Column B	Line 9	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B*Line 5, Col. A			
Line 7	Column A:	Tab B, Page 3	Line 7	Column A	
Line 7	Column B:	Page 17	Column A	Line 15	
Line 7	Column C:	Page 17	Column B	Line 15	
Line 8	Column A:	Tab B, Page 3	Line 8	Column A	
Line 8	Column B:	Page 17	Column A	Line 15	
Line 8	Column C:	Page 17	Column B	Line 15	
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B*Line 8, Col. A			

PBX Trunk Basic Exchange Service
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 4	Line 1	Column A	
Line 1	Column B:	Page 17	Column A	Line 1	
Line 1	Column C:	Page 17	Column B	Line 1	
Line 2	Column A:	Tab B, Page 4	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 2	
Line 2	Column C:	Page 17	Column B	Line 2	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B*Line 2, Col. A			
Line 4	Column A:	Tab B, Page 4	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 8	
Line 4	Column C:	Page 17	Column B	Line 8	
Line 5	Column A:	Tab B, Page 4	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 9	
Line 5	Column C:	Page 17	Column B	Line 9	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B*Line 5, Col. A			
Line 7	Column A:	Tab B, Page 4	Line 7	Column A	
Line 7	Column B:	Page 17	Column A	Line 15	
Line 7	Column C:	Page 17	Column B	Line 15	
Line 8	Column A:	Tab B, Page 4	Line 8	Column A	
Line 8	Column B:	Page 17	Column A	Line 15	
Line 8	Column C:	Page 17	Column B	Line 15	
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B*Line 8, Col. A			

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**DID Trunk Basic Exchange Service
Central Office Trunk Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$14.71	\$1.81	\$16.51
2	DLC	25.7%	\$14.71	\$1.81	\$16.51
3	Composite	100.0%	\$14.71	\$1.81	\$16.51
4 Band 2	Copper	54.9%	\$14.71	\$1.81	\$16.51
5	DLC	45.1%	\$14.71	\$1.81	\$16.51
6	Composite	100.0%	\$14.71	\$1.81	\$16.51
7 Band 3	Copper	57.8%	\$14.71	\$1.81	\$16.51
8	DLC	42.3%	\$14.71	\$1.81	\$16.51
9	Composite	100.0%	\$14.71	\$1.81	\$16.51

SOURCES:

Line 1 Column A: Tab B, Page 5 Line 1 Column A
 Line 1 Column B: Page 17 Column A Line 3
 Line 1 Column C: Page 17 Column B Line 3
 Line 2 Column A: Tab B, Page 5 Line 2 Column A
 Line 2 Column B: Page 17 Column A Line 3
 Line 2 Column C: Page 17 Column B Line 3
 Line 3 Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A
 Line 4 Column A: Tab B, Page 5 Line 4 Column A
 Line 4 Column B: Page 17 Column A Line 10
 Line 4 Column C: Page 17 Column B Line 10
 Line 5 Column A: Tab B, Page 5 Line 5 Column A
 Line 5 Column B: Page 17 Column A Line 10
 Line 5 Column C: Page 17 Column B Line 10
 Line 6 Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A
 Line 7 Column A: Tab B, Page 5 Line 7 Column A
 Line 7 Column B: Page 17 Column A Line 17
 Line 7 Column C: Page 17 Column B Line 17
 Line 8 Column A: Tab B, Page 5 Line 8 Column A
 Line 8 Column B: Page 17 Column A Line 17
 Line 8 Column C: Page 17 Column B Line 17
 Line 9 Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A

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Centrex Access Line (< 20 Lines)**Composite Central Office Line Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$5.11	\$0.63	\$5.74
2	DLC	25.7%	\$5.11	\$0.63	\$5.74
3	Composite	100.0%	\$5.11	\$0.63	\$5.74
4 Band 2	Copper	54.9%	\$5.11	\$0.63	\$5.74
5	DLC	45.1%	\$5.11	\$0.63	\$5.74
6	Composite	100.0%	\$5.11	\$0.63	\$5.74
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 6	Line 1	Column A	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A
Line 1	Column B:	Page 17	Line 2	Column A	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A
Line 1	Column C:	Page 17	Line 2	Column B	
Line 2	Column A:	Tab B, Page 6	Line 2	Column A	
Line 2	Column B:	Page 17	Line 2	Column B	
Line 2	Column C:	Page 17	Line 2	Column B	
Line 3	Columns B&C:		Line 3	Column A	
Line 4	Column A:	Tab B, Page 6	Line 4	Column A	
Line 4	Column B:	Page 17	Line 4	Column A	
Line 4	Column C:	Page 17	Line 4	Column B	
Line 5	Column A:	Tab B, Page 6	Line 5	Column A	
Line 5	Column B:	Page 17	Line 5	Column B	
Line 5	Column C:	Page 17	Line 5	Column B	
Line 6	Columns B&C:		Line 6	Column A	

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Centrex Access Line (21 - 100 Lines)
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$5.11	\$0.63	\$5.74
2	DLC	25.7%	\$5.11	\$0.63	\$5.74
3	Composite	100.0%	\$5.11	\$0.63	\$5.74
4 Band 2	Copper	54.9%	\$5.11	\$0.63	\$5.74
5	DLC	45.1%	\$5.11	\$0.63	\$5.74
6	Composite	100.0%	\$5.11	\$0.63	\$5.74
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 7	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 4
Line 1	Column C:	Page 17	Column B	Line 4
Line 2	Column A:	Tab B, Page 7	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 4
Line 2	Column C:	Page 17	Column B	Line 4
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A		
Line 4	Column A:	Tab B, Page 7	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 11
Line 4	Column C:	Page 17	Column B	Line 11
Line 5	Column A:	Tab B, Page 7	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 11
Line 5	Column C:	Page 17	Column B	Line 11
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A		

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Centrex Access Line (> 100 Lines)
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$5.11	\$0.63	\$5.74
2	DLC	25.7%	\$5.11	\$0.63	\$5.74
3	Composite	100.0%	\$5.11	\$0.63	\$5.74
4 Band 2	Copper	54.9%	\$5.11	\$0.63	\$5.74
5	DLC	45.1%	\$5.11	\$0.63	\$5.74
6	Composite	100.0%	\$5.11	\$0.63	\$5.74
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 8	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 4
Line 1	Column C:	Page 17	Column B	Line 4
Line 2	Column A:	Tab B, Page 8	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 4
Line 2	Column C:	Page 17	Column B	Line 4
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A		
Line 4	Column A:	Tab B, Page 8	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 11
Line 4	Column C:	Page 17	Column B	Line 11
Line 5	Column A:	Tab B, Page 8	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 11
Line 5	Column C:	Page 17	Column B	Line 11
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A		

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Centrex ISDN Access Line (< 20 Lines)
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.81	\$2.06	\$18.87
2	DLC	6.2%	\$16.81	\$2.06	\$18.87
3	Composite	100.0%	\$16.81	\$2.06	\$18.87
4 Band 2	Copper	65.2%	\$16.81	\$2.06	\$18.87
5	DLC	34.8%	\$16.81	\$2.06	\$18.87
6	Composite	100.0%	\$16.81	\$2.06	\$18.87
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 9	Line 1	Column A	Line 1	Column A	
Line 1	Column B:	Page 17	Line 1	Column B	Line 1	Column B	
Line 1	Column C:	Page 17	Line 1	Column C	Line 1	Column C	
Line 2	Column A:	Tab B, Page 9	Line 2	Column A	Line 2	Column A	
Line 2	Column B:	Page 17	Line 2	Column B	Line 2	Column B	
Line 2	Column C:	Page 17	Line 2	Column C	Line 2	Column C	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 3	Columns B&C:
Line 4	Column A:	Tab B, Page 9	Line 4	Column A	Line 4	Column A	
Line 4	Column B:	Page 17	Line 4	Column B	Line 4	Column B	
Line 4	Column C:	Page 17	Line 4	Column C	Line 4	Column C	
Line 5	Column A:	Tab B, Page 9	Line 5	Column A	Line 5	Column A	
Line 5	Column B:	Page 17	Line 5	Column B	Line 5	Column B	
Line 5	Column C:	Page 17	Line 5	Column C	Line 5	Column C	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	Line 6	Columns B&C:

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Centrex ISDN Access Line (21 - 100 Lines)
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.81	\$2.06	\$18.87
2	DLC	6.2%	\$16.81	\$2.06	\$18.87
3	Composite	100.0%	\$16.81	\$2.06	\$18.87
4 Band 2	Copper	65.2%	\$16.81	\$2.06	\$18.87
5	DLC	34.8%	\$16.81	\$2.06	\$18.87
6	Composite	100.0%	\$16.81	\$2.06	\$18.87
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 10	Line 1	Column A	Line 1	Column A	
Line 1	Column B:	Page 17	Line 1	Column B	Line 1	Column B	
Line 1	Column C:	Page 17	Line 1	Column C	Line 1	Column C	
Line 2	Column A:	Tab B, Page 10	Line 2	Column A	Line 2	Column A	
Line 2	Column B:	Page 17	Line 2	Column B	Line 2	Column B	
Line 2	Column C:	Page 17	Line 2	Column C	Line 2	Column C	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 3	Columns B&C:
Line 4	Column A:	Tab B, Page 10	Line 4	Column A	Line 4	Column A	
Line 4	Column B:	Page 17	Line 4	Column B	Line 4	Column B	
Line 4	Column C:	Page 17	Line 4	Column C	Line 4	Column C	
Line 5	Column A:	Tab B, Page 10	Line 5	Column A	Line 5	Column A	
Line 5	Column B:	Page 17	Line 5	Column B	Line 5	Column B	
Line 5	Column C:	Page 17	Line 5	Column C	Line 5	Column C	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	Line 6	Columns B&C:

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Centrex ISDN Access Line (> 100 Lines)
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.81	\$2.06	\$18.87
2	DLC	6.2%	\$16.81	\$2.06	\$18.87
3	Composite	100.0%	\$16.81	\$2.06	\$18.87
4 Band 2	Copper	65.2%	\$16.81	\$2.06	\$18.87
5	DLC	34.8%	\$16.81	\$2.06	\$18.87
6	Composite	100.0%	\$16.81	\$2.06	\$18.87
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 11	Line 1	Column A	
Line 1	Column B:	Page 17	Column A	Line 6	
Line 1	Column C:	Page 17	Column B	Line 6	
Line 2	Column A:	Tab B, Page 11	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 6	
Line 2	Column C:	Page 17	Column B	Line 6	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A			
Line 4	Column A:	Tab B, Page 11	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 13	
Line 4	Column C:	Page 17	Column B	Line 13	
Line 5	Column A:	Tab B, Page 11	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 13	
Line 5	Column C:	Page 17	Column B	Line 13	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			

Residence ISDN Service
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	83.7%	\$15.09	\$1.84	\$16.93
2	DLC	16.3%	\$12.87	\$1.57	\$14.44
3	Composite	100.0%	\$14.73	\$1.80	\$16.53
4 Band 2	Copper	68.4%	\$15.10	\$1.84	\$16.94
5	DLC	31.7%	\$12.88	\$1.57	\$14.45
6	Composite	100.0%	\$14.40	\$1.76	\$16.16
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 12	Line 1	Column A	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 5		
Line 1	Column C:	Page 17	Column B	Line 5		
Line 2	Column A:	Tab B, Page 12	Line 2	Column A		
Line 2	Column B:	Page 17	Column A	Line 5		
Line 2	Column C:	Page 17	Column B	Line 5		
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B*Line 2, Col. A				
Line 4	Column A:	Tab B, Page 12	Line 4	Column A		
Line 4	Column B:	Page 17	Column A	Line 12		
Line 4	Column C:	Page 17	Column B	Line 12		
Line 5	Column A:	Tab B, Page 12	Line 5	Column A		
Line 5	Column B:	Page 17	Column A	Line 12		
Line 5	Column C:	Page 17	Column B	Line 12		
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B*Line 5, Col. A				

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Business ISDN Service
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$15.09	\$1.84	\$16.93
2	DLC	6.2%	\$12.87	\$1.57	\$14.44
3	Composite	100.0%	\$14.95	\$1.83	\$16.78
4 Band 2	Copper	65.2%	\$15.10	\$1.84	\$16.94
5	DLC	34.8%	\$12.88	\$1.57	\$14.45
6	Composite	100.0%	\$14.33	\$1.75	\$16.08
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 13	Line 1	Column A	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 5	Line 5	Column A
Line 1	Column C:	Page 17	Column B	Line 5	Line 5	Column B
Line 2	Column A:	Tab B, Page 13	Line 2	Column A	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 5	Line 5	Column A
Line 2	Column C:	Page 17	Column B	Line 5	Line 5	Column B
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	
Line 4	Column A:	Tab B, Page 13	Line 4	Column A	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 12	Line 12	Column A
Line 4	Column C:	Page 17	Column B	Line 12	Line 12	Column B
Line 5	Column A:	Tab B, Page 13	Line 5	Column A	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 12	Line 12	Column A
Line 5	Column C:	Page 17	Column B	Line 12	Line 12	Column B
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A	

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COCOT 70 Call Allowance Service
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 14	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 1
Line 1	Column C:	Page 17	Column B	Line 1
Line 2	Column A:	Tab B, Page 14	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 2
Line 2	Column C:	Page 17	Column B	Line 2
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A		
Line 4	Column A:	Tab B, Page 14	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 8
Line 4	Column C:	Page 17	Column B	Line 8
Line 5	Column A:	Tab B, Page 14	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 9
Line 5	Column C:	Page 17	Column B	Line 9
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A		
Line 7	Column A:	Tab B, Page 14	Line 7	Column A
Line 7	Column B:	Page 17	Column A	Line 15
Line 7	Column C:	Page 17	Column B	Line 15
Line 8	Column A:	Tab B, Page 14	Line 8	Column A
Line 8	Column B:	Page 17	Column A	Line 15
Line 8	Column C:	Page 17	Column B	Line 15
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A		

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COCOT 650 Call Allowance Service
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A: Tab B, Page 15	Line 1	Column A
Line 1	Column B: Page 17	Column A	Line 1
Line 1	Column C: Page 17	Column B	Line 1
Line 2	Column A: Tab B, Page 15	Line 2	Column A
Line 2	Column B: Page 17	Column A	Line 2
Line 2	Column C: Page 17	Column B	Line 2
Line 3	Columns B&C: Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A		
Line 4	Column A: Tab B, Page 15	Line 4	Column A
Line 4	Column B: Page 17	Column A	Line 8
Line 4	Column C: Page 17	Column B	Line 8
Line 5	Column A: Tab B, Page 15	Line 5	Column A
Line 5	Column B: Page 17	Column A	Line 9
Line 5	Column C: Page 17	Column B	Line 9
Line 6	Columns B&C: Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A		
Line 7	Column A: Tab B, Page 15	Line 7	Column A
Line 7	Column B: Page 17	Column A	Line 15
Line 7	Column C: Page 17	Column B	Line 15
Line 8	Column A: Tab B, Page 15	Line 8	Column A
Line 8	Column B: Page 17	Column A	Line 15
Line 8	Column C: Page 17	Column B	Line 15
Line 9	Columns B&C: Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A		

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Semi-Public Service Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$2.06	\$0.25	\$2.31
2	DLC	25.7%	\$3.59	\$0.44	\$4.03
3	Composite	100.0%	\$2.45	\$0.30	\$2.75
4 Band 2	Copper	54.9%	\$2.07	\$0.25	\$2.32
5	DLC	45.1%	\$3.80	\$0.47	\$4.27
6	Composite	100.0%	\$2.85	\$0.35	\$3.20
7 Band 3	Copper	57.8%	\$6.84	\$0.84	\$7.68
8	DLC	42.3%	\$6.84	\$0.84	\$7.68
9	Composite	100.0%	\$6.84	\$0.84	\$7.68

SOURCES:

Line 1	Column A:	Tab B, Page 16	Line 1	Column A	Line 1
Line 1	Column B:	Page 17	Column A	Line 1	
Line 1	Column C:	Page 17	Column B	Line 1	
Line 2	Column A:	Tab B, Page 16	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 2	
Line 2	Column C:	Page 17	Column B	Line 2	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A			
Line 4	Column A:	Tab B, Page 16	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 8	
Line 4	Column C:	Page 17	Column B	Line 8	
Line 5	Column A:	Tab B, Page 16	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 9	
Line 5	Column C:	Page 17	Column B	Line 9	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			
Line 7	Column A:	Tab B, Page 16	Line 7	Column A	
Line 7	Column B:	Page 17	Column A	Line 15	
Line 7	Column C:	Page 17	Column B	Line 15	
Line 8	Column A:	Tab B, Page 16	Line 8	Column A	
Line 8	Column B:	Page 17	Column A	Line 15	
Line 8	Column C:	Page 17	Column B	Line 15	
Line 9	Columns B&C:	Line 7, Col. B * Line 7, Col. A + Line 8, Col. B * Line 8, Col. A			

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Central Office Line & Trunk Termination Monthly Cost

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total Monthly Cost (C)=(B)+(A)
Band 1				
1	Analog Line Termination	\$2.06	\$0.25	\$2.31
2	DLC Line Termination	\$3.59	\$0.44	\$4.03
3	DID Trunk Termination	\$14.71	\$1.81	\$16.51
4	Analog Centrex Termination	\$5.11	\$0.63	\$5.74
5	ISDN Line Termination	\$15.09	\$1.84	\$16.93
6	ISDN Centrex Line Termination	\$16.81	\$2.06	\$18.87
7	ISDN DLC Line Termination	\$12.87	\$1.57	\$14.44
8	Analog Centrex Attendant	\$7.07	\$0.86	\$7.93
9	ISDN Centrex Attendant	\$16.82	\$2.06	\$18.88
Band 2				
10	Analog Line Termination	\$2.07	\$0.25	\$2.32
11	DLC Line Termination	\$3.80	\$0.47	\$4.27
12	DID Trunk Termination	\$14.71	\$1.81	\$16.51
13	Analog Centrex Termination	\$5.11	\$0.63	\$5.74
14	ISDN Line Termination	\$15.10	\$1.84	\$16.94
15	ISDN Centrex Line Termination	\$16.81	\$2.06	\$18.87
16	ISDN DLC Line Termination	\$12.88	\$1.57	\$14.45
17	Analog Centrex Attendant	\$7.07	\$0.86	\$7.93
18	ISDN Centrex Attendant	\$16.82	\$2.06	\$18.88
Band 3				
19	Analog Line Termination	\$6.84	\$0.84	\$7.68
20	DLC Line Termination	na	na	na
21	DID Trunk Termination	\$14.71	\$1.81	\$16.51
22	Analog Centrex Termination	na	na	na
23	ISDN Line Termination	na	na	na
24	ISDN Centrex Line Termination	na	na	na
25	Analog Centrex Attendant	na	na	na
26	ISDN Centrex Attendant	na	na	na

SOURCES:

Lines 1, 9, & 16

Lines 2 & 10

Lines 3, 10, & 17

Lines 4 & 11, Columns A, B

Lines 5 & 12, Column A

Lines 5 & 12, Column B

Lines 6 & 13, Columns A, B

Lines 7 & 14, Column A

Lines 7 & 14, Column B

Lines 8 & 17, Columns A, B

Lines 9 & 18, Columns A, B

Central Office Line Term. Cost Study, Tab A, L. 1

Central Office Line Term. Cost Study, Tab B, L. 1

DID Trunk Term. Cost Study, Summary Page

Centrex Study, Line Term. Summary, L. 6, Col. E, F

L.1 + ISDN Study, Cost Summary, L. 9, Col. E+F

L.9 + ISDN Study, Cost Summary, L. 9, Col. G+H

Centrex Study, Line Term. Summary, L. 15, Col. E, F

L.1 + ISDN Study, Cost Summary, L. 15, Col. E+F

L.9 + ISDN Study, Cost Summary, L. 15, Col. G+H

Centrex Study, Line Term. Summary, L. 9, Col. E, F

Centrex Study, Line Term. Summary, L. 6, Col. E, F

Centrex Attendant Access Line (< 20 Lines)
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$7.07	\$0.86	\$7.93
2	DLC	25.7%	\$7.07	\$0.86	\$7.93
3	Composite	100.0%	\$7.07	\$0.86	\$7.93
4 Band 2	Copper	54.9%	\$7.07	\$0.86	\$7.93
5	DLC	45.1%	\$7.07	\$0.86	\$7.93
6	Composite	100.0%	\$7.07	\$0.86	\$7.93
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 6	Line 1	Column A	Line 4
Line 1	Column B:	Page 17	Column A	Line 11	Line 4
Line 1	Column C:	Page 17	Column B	Line 11	Line 4
Line 2	Column A:	Tab B, Page 6	Line 2	Column A	Line 4
Line 2	Column B:	Page 17	Column A	Line 11	Line 4
Line 2	Column C:	Page 17	Column B	Line 11	Line 4
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A			
Line 4	Column A:	Tab B, Page 6	Line 4	Column A	Line 4
Line 4	Column B:	Page 17	Column A	Line 11	Line 4
Line 4	Column C:	Page 17	Column B	Line 11	Line 4
Line 5	Column A:	Tab B, Page 6	Line 5	Column A	Line 4
Line 5	Column B:	Page 17	Column A	Line 11	Line 4
Line 5	Column C:	Page 17	Column B	Line 11	Line 4
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			

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Centrex Attendant Access Line (21 - 100 Lines)
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$7.07	\$0.86	\$7.93
2	DLC	25.7%	\$7.07	\$0.86	\$7.93
3	Composite	100.0%	\$7.07	\$0.86	\$7.93
4 Band 2	Copper	54.9%	\$7.07	\$0.86	\$7.93
5	DLC	45.1%	\$7.07	\$0.86	\$7.93
6	Composite	100.0%	\$7.07	\$0.86	\$7.93
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 7	Line 1	Column A	Line 4
Line 1	Column B:	Page 17	Column A	Line 4	
Line 1	Column C:	Page 17	Column B	Line 4	
Line 2	Column A:	Tab B, Page 7	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 4	
Line 2	Column C:	Page 17	Column B	Line 4	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A			
Line 4	Column A:	Tab B, Page 7	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 11	
Line 4	Column C:	Page 17	Column B	Line 11	
Line 5	Column A:	Tab B, Page 7	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 11	
Line 5	Column C:	Page 17	Column B	Line 11	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			

Centrex Attendant Access Line (> 100 Lines)
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	74.3%	\$7.07	\$0.86	\$7.93
2	DLC	25.7%	\$7.07	\$0.86	\$7.93
3	Composite	100.0%	\$7.07	\$0.86	\$7.93
4 Band 2	Copper	54.9%	\$7.07	\$0.86	\$7.93
5	DLC	45.1%	\$7.07	\$0.86	\$7.93
6	Composite	100.0%	\$7.07	\$0.86	\$7.93
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 8	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 4
Line 1	Column C:	Page 17	Column B	Line 4
Line 2	Column A:	Tab B, Page 8	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 4
Line 2	Column C:	Page 17	Column B	Line 4
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A		
Line 4	Column A:	Tab B, Page 8	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 11
Line 4	Column C:	Page 17	Column B	Line 11
Line 5	Column A:	Tab B, Page 8	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 11
Line 5	Column C:	Page 17	Column B	Line 11
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A		

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Centrex ISDN Attendant Access Line (< 20 Lines)
Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.82	\$2.06	\$18.88
2	DLC	6.2%	\$16.82	\$2.06	\$18.88
3	Composite	100.0%	\$16.82	\$2.06	\$18.88
4 Band 2	Copper	65.2%	\$16.82	\$2.06	\$18.88
5	DLC	34.8%	\$16.82	\$2.06	\$18.88
6	Composite	100.0%	\$16.82	\$2.06	\$18.88
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 9	Line 1	Column A	Line 6
Line 1	Column B:	Page 17	Column A	Line 6	
Line 1	Column C:	Page 17	Column B	Line 6	
Line 2	Column A:	Tab B, Page 9	Line 2	Column A	
Line 2	Column B:	Page 17	Column A	Line 6	
Line 2	Column C:	Page 17	Column B	Line 6	
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A			
Line 4	Column A:	Tab B, Page 9	Line 4	Column A	
Line 4	Column B:	Page 17	Column A	Line 13	
Line 4	Column C:	Page 17	Column B	Line 13	
Line 5	Column A:	Tab B, Page 9	Line 5	Column A	
Line 5	Column B:	Page 17	Column A	Line 13	
Line 5	Column C:	Page 17	Column B	Line 13	
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			

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Centrex ISDN Attendant Access Line (21 - 100 Lines)
Composite Central Office Line Termination Monthly Cost

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.82	\$2.06	\$18.88
2	DLC	6.2%	\$16.82	\$2.06	\$18.88
3	Composite	100.0%	\$16.82	\$2.06	\$18.88
4 Band 2	Copper	65.2%	\$16.82	\$2.06	\$18.88
5	DLC	34.8%	\$16.82	\$2.06	\$18.88
6	Composite	100.0%	\$16.82	\$2.06	\$18.88
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 10	Line 1	Column A	Line 1	Column A
Line 1	Column B:	Page 17	Column A	Line 6	Line 6	Line 6
Line 1	Column C:	Page 17	Column B	Line 6	Line 6	Line 6
Line 2	Column A:	Tab B, Page 10	Line 2	Column A	Line 2	Column A
Line 2	Column B:	Page 17	Column A	Line 6	Line 6	Line 6
Line 2	Column C:	Page 17	Column B	Line 6	Line 6	Line 6
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A				
Line 4	Column A:	Tab B, Page 10	Line 4	Column A	Line 4	Column A
Line 4	Column B:	Page 17	Column A	Line 13	Line 13	Line 13
Line 4	Column C:	Page 17	Column B	Line 13	Line 13	Line 13
Line 5	Column A:	Tab B, Page 10	Line 5	Column A	Line 5	Column A
Line 5	Column B:	Page 17	Column A	Line 13	Line 13	Line 13
Line 5	Column C:	Page 17	Column B	Line 13	Line 13	Line 13
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A				

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**Centrex ISDN Attendant Access Line (> 100 Lines)
Central Office Line Termination Monthly Cost**

<u>Geographic Area</u>	<u>Loop Length Category</u>	<u>Proportion of Loops (A)</u>	<u>Incremental Cost (B)</u>	<u>Allocated Joint Cost (C)</u>	<u>Total Monthly Cost (D)=(B)+(C)</u>
1 Band 1	Copper	93.8%	\$16.82	\$2.06	\$18.88
2	DLC	6.2%	\$16.82	\$2.06	\$18.88
3	Composite	100.0%	\$16.82	\$2.06	\$18.88
4 Band 2	Copper	65.2%	\$16.82	\$2.06	\$18.88
5	DLC	34.8%	\$16.82	\$2.06	\$18.88
6	Composite	100.0%	\$16.82	\$2.06	\$18.88
7 Band 3	Copper	na	na	na	na
8	DLC	na	na	na	na
9	Composite	na	na	na	na

SOURCES:

Line 1	Column A:	Tab B, Page 11	Line 1	Column A	Line 6
Line 1	Column B:	Page 17	Column A	Line 13	Line 6
Line 1	Column C:	Page 17	Column B	Line 13	Line 6
Line 2	Column A:	Tab B, Page 11	Line 2	Column A	Line 6
Line 2	Column B:	Page 17	Column A	Line 13	Line 6
Line 2	Column C:	Page 17	Column B	Line 13	Line 6
Line 3	Columns B&C:	Line 1, Col. B * Line 1, Col. A + Line 2, Col. B * Line 2, Col. A	Line 4	Column A	Line 13
Line 4	Column A:	Tab B, Page 11	Line 4	Column A	Line 13
Line 4	Column B:	Page 17	Column A	Line 13	Line 13
Line 4	Column C:	Page 17	Column B	Line 13	Line 13
Line 5	Column A:	Tab B, Page 11	Line 5	Column A	Line 13
Line 5	Column B:	Page 17	Column A	Line 13	Line 13
Line 5	Column C:	Page 17	Column B	Line 13	Line 13
Line 6	Columns B&C:	Line 4, Col. B * Line 4, Col. A + Line 5, Col. B * Line 5, Col. A			

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Residence Basic Exchange Service Monthly Flat Rate Usage Cost

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total (C)=(B)+(A)
Band 1				
1	Set Up Cost per Call	\$0.003598	\$0.001416	\$0.005014
2	Duration Cost per Minute	\$0.003449	\$0.001843	\$0.005292
3	Average Calls per Line	159	159	na
4	Average Minutes per Call	4.85	4.85	na
5	Total Monthly Cost	\$3.23	\$1.65	\$4.88
Band 2				
6	Set Up Cost per Call	\$0.003479	\$0.001565	\$0.005044
7	Duration Cost per Minute	\$0.003496	\$0.001966	\$0.005462
8	Average Calls per Line	159	159	na
9	Average Minutes per Call	4.85	4.85	na
10	Total Monthly Cost	\$3.25	\$1.76	\$5.01
Band 3				
11	Set Up Cost per Call	\$0.003705	\$0.003333	\$0.007038
12	Duration Cost per Minute	\$0.003847	\$0.002134	\$0.005981
13	Average Calls per Line	159	159	na
14	Average Minutes per Call	4.85	4.85	na
15	Total Monthly Cost	\$3.56	\$2.18	\$5.73

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 1 & 2, resp.
Lines 3 & 4, Columns A & B:	Page	17 Line 1, Columns A & C, resp.
Line 5, Columns A & B:		(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Lines 6 & 7, Columns A & B:	Page	16 Lines 3 & 4, resp.
Lines 8 & 9, Columns A & B:	Page	17 Line 1, Columns A & C, resp.
Line 10, Columns A & B:		(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)
Lines 11 & 12, Columns A & B:	Page	16 Lines 5 & 6, resp.
Lines 13 & 14, Columns A & B:	Page	17 Line 1, Columns A & C, resp.
Line 15, Columns A & B:		(Line 11 * Line 13) + (Line 12 * Line 13 * Line 14)

Business Non-Hunt Basic Exchange Service **Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	216	216	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$2.04	\$1.09	\$3.13
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	216	216	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$1.89	\$1.05	\$2.95
Band 3				
11	Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12	Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902
13	Average Calls per Line	216	216	na
14	Average Minutes per Call	2.81	2.81	na
15	Total Monthly Cost	\$1.53	\$1.13	\$2.66

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 7 & 8, resp.
Lines 3 & 4, Columns A & B:	Page	17 Line 3, Columns A & C, resp.
Line 5, Columns A & B:		(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Lines 6 & 7, Columns A & B:	Page	16 Lines 9 & 10, resp.
Lines 8 & 9, Columns A & B:	Page	17 Lines 3, Columns A & C, resp.
Line 10, Columns A & B:		(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)
Lines 11 & 12, Columns A & B:	Page	16 Lines 11 & 12, resp.
Lines 13 & 14, Columns A & B:	Page	17 Line 3, Columns A & C, resp.
Line 15, Columns A & B:		(Line 11 * Line 13) + (Line 12 * Line 13 * Line 14)

**Business Hunt Basic Exchange Service
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	273	273	na
4	Average Minutes per Call	2.50	2.50	na
5	Total Monthly Cost	\$2.37	\$1.26	\$3.63
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	273	273	na
9	Average Minutes per Call	2.50	2.50	na
10	Total Monthly Cost	\$2.21	\$1.22	\$3.43
Band 3				
11	Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12	Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902
13	Average Calls per Line	273	273	na
14	Average Minutes per Call	2.50	2.50	na
15	Total Monthly Cost	\$1.79	\$1.33	\$3.11

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 7 & 8, resp.
Lines 3 & 4, Columns A & B:	Page	17 Line 4, Columns A & C, resp.
Line 5, Columns A & B:		(Line 1 * Line 3) + (Line 2 * Line 4)
Lines 6 & 7, Columns A & B:	Page	16 Lines 9 & 10, resp.
Lines 8 & 9, Columns A & B:	Page	17 Line 4, Columns A & C, resp.
Line 10, Columns A & B:		(Line 6 * Line 8) + (Line 7 * Line 9)
Lines 11 & 12, Columns A & B:	Page	16 Lines 11 & 12, resp.
Lines 13 & 14, Columns A & B:	Page	17 Line 4, Columns A & C, resp.
Line 15, Columns A & B:		(Line 11 * Line 13) + (Line 12 * Line 14)

PBX Trunk Basic Exchange Service Monthly Flat Rate Usage Cost

<u>Geographic Area</u>	<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1			
1 Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2 Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3 Average Calls per Line	495	495	na
4 Average Minutes per Call	2.96	2.96	na
5 Total Monthly Cost	\$4.83	\$2.60	\$7.43
Band 2			
6 Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7 Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8 Average Calls per Line	495	495	na
9 Average Minutes per Call	2.96	2.96	na
10 Total Monthly Cost	\$4.50	\$2.51	\$7.02
Band 3			
11 Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12 Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902
13 Average Calls per Line	495	495	na
14 Average Minutes per Call	2.96	2.96	na
15 Total Monthly Cost	\$3.63	\$2.69	\$6.32

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 7 & 8, resp.
Lines 3 & 4, Columns A & B:	Page	17 Line 5, Columns A & C, resp.
Line 5, Columns A & B:		(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Lines 6 & 7, Columns A & B:	Page	16 Lines 9 & 10, resp.
Lines 8 & 9, Columns A & B:	Page	17 Line 5, Columns A & C, resp.
Line 10, Columns A & B:		(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)
Lines 11 & 12, Columns A & B:	Page	16 Lines 11 & 12, resp.
Lines 13 & 14, Columns A & B:	Page	17 Line 5, Columns A & C, resp.
Line 15, Columns A & B:		(Line 11 * Line 13) + (Line 12 * Line 13 * Line 14)

DID Trunk Basic Exchange Service Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	na	na	na
2	Duration Cost per Minute	na	na	na
3	Average Calls per Line	0	0	na
4	Average Minutes per Call	0.00	0.00	na
5	Total Monthly Cost	\$0.00	\$0.00	\$0.00
Band 2				
6	Set Up Cost per Call	na	na	na
7	Duration Cost per Minute	na	na	na
8	Average Calls per Line	0	0	na
9	Average Minutes per Call	0.00	0.00	na
10	Total Monthly Cost	\$0.00	\$0.00	\$0.00
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	0	0	na
14	Average Minutes per Call	0.00	0.00	na
15	Total Monthly Cost	\$0.00	\$0.00	\$0.00

SOURCES:

DID Trunks are incoming only trunks. Therefore, there are no usage costs.

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**Centrex Access Line (< 20 Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	216	216	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$2.04	\$1.09	\$3.13
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	216	216	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$1.89	\$1.05	\$2.95
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
Lines 3 & 4, Columns A & B:
Line 5, Columns A & B:
Lines 6 & 7, Columns A & B:
Lines 8 & 9, Columns A & B:
Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
Page 17 Line 6, Columns A & C, resp.
(Line 1 * Line 3) + (Line 2 * Line 4)
Page 16 Lines 9 & 10, resp.
Page 17 Line 8, Columns A & C, resp.
(Line 6 * Line 8) + (Line 7 * Line 9)

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Centrex Access Line (21 - 100 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	87	87	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.82	\$0.44	\$1.26
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	87	87	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.76	\$0.43	\$1.19
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:

Page 16 Lines 7 & 8, resp.

Lines 3 & 4, Columns A & B:

Page 17 Line 7, Columns A & C, resp.

Line 5, Columns A & B:

(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)

Lines 6 & 7, Columns A & B:

Page 16 Lines 9 & 10, resp.

Lines 8 & 9, Columns A & B:

Page 17 Line 7, Columns A & C, resp.

Line 10, Columns A & B:

(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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**Centrex Access Line (> 100 Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	44	44	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.42	\$0.22	\$0.64
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	44	44	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.39	\$0.22	\$0.60
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
Lines 3 & 4, Columns A & B:
Line 5, Columns A & B:
Lines 6 & 7, Columns A & B:
Lines 8 & 9, Columns A & B:
Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
Page 17 Line 8, Columns A & C, resp.
(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Page 16 Lines 9 & 10, resp.
Page 17 Line 8, Columns A & C, resp.
(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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**Centrex ISDN Access Line (< 20 Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	216	216	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$2.04	\$1.09	\$3.13
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	216	216	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$1.89	\$1.05	\$2.95
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 7 & 8, resp.
Lines 3 & 4, Columns A & B:	Page	17 Line 13, Columns A & C, resp.
Line 5, Columns A & B:	(Line 1 * Line 3) + (Line 2 * Line 4)	
Lines 6 & 7, Columns A & B:	Page	16 Lines 9 & 10, resp.
Lines 8 & 9, Columns A & B:	Page	17 Line 13, Columns A & C, resp.
Line 10, Columns A & B:	(Line 6 * Line 8) + (Line 7 * Line 9)	

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Centrex ISDN Access Line (21 - 100 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	87	87	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.82	\$0.44	\$1.26
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	87	87	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.76	\$0.43	\$1.19
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
 Lines 3 & 4, Columns A & B:
 Line 5, Columns A & B:
 Lines 6 & 7, Columns A & B:
 Lines 8 & 9, Columns A & B:
 Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
 Page 17 Lines 11, Columns A & C, resp.
 (Line 1 * Line 3) + (Line 2 * Line 4)
 Page 16 Lines 9 & 10, resp.
 Page 17 Line 13, Columns A & C, resp.
 (Line 6 * Line 8) + (Line 7 * Line 9)
 (Line 1 * Line 3) + (Line 2 * Line 4)
 (Line 6 * Line 8) + (Line 7 * Line 9)

**Centrex ISDN Access Line (> 100 Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	44	44	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.42	\$0.22	\$0.64
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	44	44	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.39	\$0.22	\$0.60
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:

Page 16 Lines 7 & 8, resp

Lines 3 & 4, Columns A & B:

Page 17 Line 13, Columns A & C, resp

Line 5, Columns A & B:

(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)

Lines 6 & 7, Columns A & B:

Page 16 Lines 9 & 10, resp

Lines 8 & 9, Columns A & B:

Page 17 Line 13, Columns A & C, resp

Line 10, Columns A & B:

(Line 6 * Line 8) * (Line 7 * Line 8 * Line 9)

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Residence ISDN Service
Monthly Flat Rate Usage Cost Per Channel

Geographic Area		Incremental Cost (A)	Allocated Joint Cost (B)	Total (C)=(B)+(A)
Band 1				
1	Set Up Cost per Call	\$0.003598	\$0.001416	\$0.005014
2	Duration Cost per Minute	\$0.003449	\$0.001843	\$0.005292
3	Average Calls per Line	159	159	na
4	Average Minutes per Call	4.85	4.85	na
5	Total Monthly Cost	\$3.23	\$1.65	\$4.88
Band 2				
6	Set Up Cost per Call	\$0.003479	\$0.001565	\$0.005044
7	Duration Cost per Minute	\$0.003496	\$0.001966	\$0.005462
8	Average Calls per Line	159	159	na
9	Average Minutes per Call	4.85	4.85	na
10	Total Monthly Cost	\$3.25	\$1.76	\$5.01
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:	Page 16 Lines 1 & 2, resp.
Lines 3 & 4, Columns A & B:	Page 17 Line 11, Columns A & C, resp.
Line 5, Columns A & B:	(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Lines 6 & 7, Columns A & B:	Page 16 Lines 2 & 4 resp.
Lines 8 & 9, Columns A & B:	Page 17 Line 11, Columns A & C, resp.
Line 10, Columns A & B:	(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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Business ISDN Service
Monthly Flat Rate Usage Cost Per Channel

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	91	91	na
4	Average Minutes per Call	5.78	5.78	na
5	Total Monthly Cost	\$1.47	\$0.83	\$2.30
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	91	91	na
9	Average Minutes per Call	5.78	5.78	na
10	Total Monthly Cost	\$1.38	\$0.80	\$2.18
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
 Lines 3 & 4, Columns A & B:
 Line 5, Columns A & B:
 Lines 6 & 7, Columns A & B:
 Lines 8 & 9, Columns A & B:
 Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
 Page 17 Line 12, Columns A & C, resp.
 (Line 1 * Line 3) + (Line 2 * Line 3 - Line 4)
 Page 16 Lines 9 & 10, resp.
 Page 17 Line 12, Columns A & C, resp.
 (Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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**COCOT 70 Call Allowance Service
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001208	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	70	70	na
4	Average Minutes per Call	2.70	2.70	na
5	Total Monthly Cost	\$0.64	\$0.34	\$0.99
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	70	70	na
9	Average Minutes per Call	2.70	2.70	na
10	Total Monthly Cost	\$0.60	\$0.33	\$0.93
Band 3				
11	Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12	Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902
13	Average Calls per Line	70	70	na
14	Average Minutes per Call	2.70	2.70	na
15	Total Monthly Cost	\$0.48	\$0.36	\$0.84

SOURCES:

Lines 1 & 2, Columns A & B:	Page	16 Lines 7 & 8, resp.
Line 4, Columns A & B:	Page	17 Line 14, Column C
Line 5, Columns A & B:		(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)
Lines 6 & 7, Columns A & B:	Page	16 Lines 9 & 10, resp.
Line 9, Columns A & B:	Page	17 Line 14, Column C
Line 10, Columns A & B:		(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)
Lines 11 & 12, Columns A & B:	Page	16 Lines 11 & 12, resp.
Line 14, Columns A & B:	Page	17 Line 14, Column C
Line 15, Columns A & B:		(Line 11 * Line 13) + (Line 12 * Line 13 * Line 14)

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COCOT 650 Call Allowance Service
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	650	650	na
4	Average Minutes per Call	2.70	2.70	na
5	Total Monthly Cost	\$5.96	\$3.18	\$9.15
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	650	650	na
9	Average Minutes per Call	2.70	2.70	na
10	Total Monthly Cost	\$5.55	\$3.08	\$8.63
Band 3				
11	Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12	Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902
13	Average Calls per Line	650	650	na
14	Average Minutes per Call	2.70	2.70	na
15	Total Monthly Cost	\$4.48	\$3.33	\$7.81

SOURCES:

Lines 1 & 2, Columns A & B:	Page 16	Lines 7 & 8, resp.
Line 4, Columns A & B:	Page 17	Line 14, Column C
Line 5, Columns A & B:	(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)	
Lines 6 & 7, Columns A & B:	Page 16	Lines 9 & 10, resp.
Line 9, Columns A & B:	Page 17	Line 14, Column C
Line 10, Columns A & B:	(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)	
Lines 11 & 12, Columns A & B:	Page 16	Lines 11 & 12, resp.
Line 14, Columns A & B:	Page 17	Line 14, Column C
Line 15, Columns A & B:	(Line 11 * Line 13) + (Line 12 * Line 13 * Line 14)	

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UNIT USAGE COSTS

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total Cost (C)=(A)+(B)</u>
<u>RESIDENCE</u>				
<u>Band 1</u>				
1	Set Up Cost per Call	\$0.003598	\$0.001416	\$0.005014
2	Duration Cost per Minute	\$0.003449	\$0.001843	\$0.005292
<u>Band 2</u>				
3	Set Up Cost per Call	\$0.003479	\$0.001565	\$0.005044
4	Duration Cost per Minute	\$0.003496	\$0.001966	\$0.005462
<u>Band 3</u>				
5	Set Up Cost per Call	\$0.003705	\$0.003333	\$0.007038
6	Duration Cost per Minute	\$0.003847	\$0.002134	\$0.005981

BUSINESS

<u>Band 1</u>				
7	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
8	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
<u>Band 2</u>				
9	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
10	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
<u>Band 3</u>				
11	Set Up Cost per Call	\$0.002374	\$0.001804	\$0.004178
12	Duration Cost per Minute	\$0.001674	\$0.001228	\$0.002902

SOURCE:

Ohio Usage Study, Tab A, Page 1

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USAGE CHARACTERISTICS

	MESSAGES PER LINE (A)	MINUTES PER LINE (B)	MINUTES PER MESSAGE (C)
1 Residence	159	771	4.85
2 Business Non-Hunt	216	607	2.81
3 Business Hunt	273	680	2.50
4 PBX Trunks	495	1,465	2.96
5 Centrex (< 20 Lines)	216	607	2.81
6 Centrex (21 - 100 Lines)	87	245	2.81
7 Centrex (> 100 Lines)	44	124	2.81
8 Semi-Public	129	383	2.97
9 Public	487	1,449	2.98
10 Residence ISDN	159	771	4.85
11 Business ISDN	91	526	5.78
12 Centrex ISDN (< 20 Lines)	216	607	2.81
13 Centrex ISDN (21 - 100 Lines)	87	245	2.81
14 Centrex ISDN(> 100 Lines)	44	124	2.81
15 COCOT	586	1,580	2.70
16 Centrex Att. (< 20 Lines)	216	607	2.81
17 Centrex Att. (21 - 100 Lines)	87	245	2.81
18 Centrex Att. (> 100 Lines)	44	124	2.81
19 Centrex Att. ISDN (< 20 Lines)	216	607	2.81
20 Centrex Att. ISDN (21 - 100 Lines)	87	245	2.81
21 Centrex Att. ISDN(> 100 Lines)	44	124	2.81

SOURCE:

Line 1	1992 Subscriber Usage Study
Line 2	COMBINATION OF BUSINESS AND ISAL USAGE, L
Line 3	COMBINATION OF BUSINESS AND ISAL USAGE, L
Line 4	1992 Subscriber Usage Study
Line 5, Column A	Line 2, Column A
Line 5, Column B	Column A * Column C
Line 5, Column C	Line 2, Column C
Line 6, Column A	25% * Line 5, Column A + 75% * Line 7, Column A
Line 6, Column B	Column A * Column C
Line 6, Column C	Line 2, Column C
Line 7, Column A	Line 4, Column A / 11.2 (= Trunk Equivalency Factor)
Line 7, Column B	Column A * Column C
Line 7, Column C	Line 2, Column C
Line 8	1992 Subscriber Usage Study
Line 9	1992 Subscriber Usage Study
Line 10	Line 1
Line 11	1992 Subscriber Usage Study - Residence Usage
Line 12	1992 Subscriber Usage Study - ISAL Usage
Line 13	1992 Subscriber Usage Study

1992 Subscriber Usage Study **CONFIDENTIAL**
COMBINATION OF BUSINESS AND ISAL USAGE, L4,5,6
COMBINATION OF BUSINESS AND ISAL USAGE, L4,5,6
1992 Subscriber Usage Study **NOTICE MUST BE GIVEN
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COMBINATION OF BUSINESS AND ISAL USAGE

CLASS OF SERVICE	TOTAL LINES (A)	TOTAL MESSAGES (B)	TOTAL MINUTES (C)
Non-Hunt Lines			
1 Business Non-Hunt	58,227	12,898,784	35,548,966
2 ISAL Non-Hunt	2,604	237,659	1,369,845
3 TOTAL	60,831	13,136,443	36,918,811
4 Messages / Line		216	
5 Minutes / Line			607
6 Minutes / Message			2.81
Hunt Lines			
7 Business Hunt	65,446	17,910,989	44,687,814
8 ISAL Hunt	514	65,568	165,211
9	65,960	17,976,557	44,853,025
10 Messages / Line		273	
11 Minutes / Line			680
12 Minutes / Message			2.56

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URCE:

Line 1	1992 Subscriber Usage Study
Line 2	1992 Subscriber Usage Study
Line 3	Sum of Lines 1 and 2
Line 4	Line 3, Column B / Line 3, Column A
Line 5	Line 3, Column C / Line 3, Column A
Line 6	Line 3, Column C / Line 3, Column B
Line 7	1992 Subscriber Usage Study
Line 8	1992 Subscriber Usage Study
Line 9	Sum of Lines 7 and 8
Line 10	Line 9, Column B / Line 3, Column A
Line 11	Line 9, Column C / Line 3, Column A
Line 12	Line 9, Column C / Line 3, Column B

**Centrex Attendant Access Line (< 20 Attendant Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	216	216	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$2.04	\$1.09	\$3.13
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	216	216	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$1.89	\$1.05	\$2.95
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
Lines 3 & 4, Columns A & B:
Line 5, Columns A & B:
Lines 6 & 7, Columns A & B:
Lines 8 & 9, Columns A & B:
Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
Page 17 Line 6, Columns A & C, resp.
(Line 1 * Line 3) + (Line 2 * Line 4)
Page 16 Lines 9 & 10, resp.
Page 17 Line 6, Columns A & C, resp.
(Line 6 * Line 8) + (Line 7 * Line 9)

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Centrex Attendant Access Line (21 - 100 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	87	87	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.82	\$0.44	\$1.26
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	87	87	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.76	\$0.43	\$1.19
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
 Lines 3 & 4, Columns A & B:
 Line 5, Columns A & B:
 Lines 6 & 7, Columns A & B:
 Lines 8 & 9, Columns A & B:
 Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
 Page 17 Line 7, Columns A & B, resp.
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 Page 16 Lines 9 & 10, resp.
 Page 17 Line 7, Columns A & B, resp.
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**Centrex Attendant Access Line (> 100 Lines)
Monthly Flat Rate Usage Cost**

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	44	44	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.42	\$0.22	\$0.64
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	44	44	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.39	\$0.22	\$0.60
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
Lines 3 & 4, Columns A & B:
Line 5, Columns A & B:
Lines 6 & 7, Columns A & B:
Lines 8 & 9, Columns A & B:
Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.
Page 17 Line 8, Columns A & C, resp.
(Line 1 * Line 3) + (Line 2 * Line 4)
Page 16 Lines 9 & 10, resp.
Page 17 Line 8, Columns A & C, resp.
(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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Centrex ISDN Attendant Access Line (< 20 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	216	216	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$2.04	\$1.09	\$3.13
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	216	216	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$1.89	\$1.05	\$2.95
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
 Lines 3 & 4, Columns A & B:
 Line 5, Columns A & B:
 Lines 6 & 7, Columns A & B:
 Lines 8 & 9, Columns A & B:
 Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.

Page 17 Line 13, Columns A & B, resp.

(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)

Page 16 Lines 9 & 10, resp.

Page 17 Line 13, Columns A & B, resp.

(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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Centrex ISDN Attendant Access Line (21 - 100 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	87	87	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.82	\$0.44	\$1.26
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	87	87	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.76	\$0.43	\$1.19
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:

Page 16 Lines 7 & 8, resp.

Lines 3 & 4, Columns A & B:

Page 17 Line 13, Columns A & B, resp.
(Line 1 * Line 3) + (Line 2 * Line 3 - Line 4)

Line 5, Columns A & B:

Lines 6 & 7, Columns A & B:

Page 16 Lines 9 & 10, resp.

Lines 8 & 9, Columns A & B:

Page 17 Line 13, Columns A & B, resp.

Line 10, Columns A & B:

(Line 6 * Line 8) + (Line 7 * Line 9)

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Centrex ISDN Attendant Access Line (> 100 Lines)
Monthly Flat Rate Usage Cost

<u>Geographic Area</u>		<u>Incremental Cost (A)</u>	<u>Allocated Joint Cost (B)</u>	<u>Total (C)=(B)+(A)</u>
Band 1				
1	Set Up Cost per Call	\$0.003085	\$0.001206	\$0.004291
2	Duration Cost per Minute	\$0.002256	\$0.001367	\$0.003623
3	Average Calls per Line	44	44	na
4	Average Minutes per Call	2.81	2.81	na
5	Total Monthly Cost	\$0.42	\$0.22	\$0.64
Band 2				
6	Set Up Cost per Call	\$0.002755	\$0.001204	\$0.003959
7	Duration Cost per Minute	\$0.002142	\$0.001309	\$0.003451
8	Average Calls per Line	44	44	na
9	Average Minutes per Call	2.81	2.81	na
10	Total Monthly Cost	\$0.39	\$0.22	\$0.60
Band 3				
11	Set Up Cost per Call	na	na	na
12	Duration Cost per Minute	na	na	na
13	Average Calls per Line	na	na	na
14	Average Minutes per Call	na	na	na
15	Total Monthly Cost	na	na	na

SOURCES:

Lines 1 & 2, Columns A & B:
 Lines 3 & 4, Columns A & B:
 Line 5, Columns A & B:
 Lines 6 & 7, Columns A & B:
 Lines 8 & 9, Columns A & B:
 Line 10, Columns A & B:

Page 16 Lines 7 & 8, resp.

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(Line 1 * Line 3) + (Line 2 * Line 3 * Line 4)

Page 16 Lines 9 & 10, resp.

Page 17 Line 13, Columns A & B, resp.

(Line 6 * Line 8) + (Line 7 * Line 8 * Line 9)

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DIRECTORY / LISTING MONTHLY COST

		SOURCE:
1	White Pages Listing Maintenance	\$492,650
	Listing Services System (LSS) Costs:	1996 Projected Cost - Directory Svcs.
2	Maintenance (Project 6A1447)	\$19,500
3	Support (Project 6A1631)	\$3,001
4	Directory Personnel Computer, Furniture, & Building Costs	\$59,093
		1996 Projected Cost - Contract Admin.
		1996 Projected Cost - Contract Admin.
		LISTING PERSONNEL COST - L.13
5	Total Listing Maintenance Cost	\$574,244
		Sum L.1 through L.4
6	Cincinnati Book Non-Charged Listings	542,438
7	Additional Listings	47,410
8	Non-Published Listings	167,861
9	CBD's Community Book Listings	378,855
10	Total Listings	1,136,564
		1996 Published Listings - Directory Svcs.
		1996 Published Listings - Directory Svcs.
		1996 Published Listings - Directory Svcs.
		1996 Published Listings - Directory Svcs.
		L.6 + L.7 + L.8 + L.9
11	Cincinnati Book Listing Maintenance Cost for Non-Charged Listings	\$274,064
		L.5 * (L.6 / L.10)
Cincinnati Book Costs Driven by Listings:		
12	Book Closing Costs	\$206,901
13	Manufacturing & Printing	\$2,750,000
14	Freight, Warehousing, Drayage	\$157,500
15	Photo Composition	\$68,250
16		\$3,182,651
17	% Non-Charged Listings to Total	91.96%
18	Costs Assigned to Non-Charged Listings	\$2,926,840
		L.12 + L.13 + L.14 + L.15
		L.6 / (L.6 + L.7)
		L.16 * L.17
Other Cincinnati Book Costs:		
19	Customer Guide Information	\$23,308
20	Zip Codes	\$1,698
21	Close Dates	1,770
22	White Page Cover	\$14,564
23	Initial Delivery	\$255,000
24	Secondary Delivery	\$467,500
25	Distribution Costs from CBIS	\$165,500
26	Total	\$929,340
		1996 Projected Cost - Directory Svcs.
		1996 Projected Cost - Directory Svcs.
		1996 Projected Cost - Directory Svcs.
		1996 Projected Cost - Directory Svcs.
		1996 Projected Cost - Directory Svcs.
		1996 Projected Cost - Directory Svcs.
		Sum Lines 19 through 26
27	Non-Charged Listings Cost	\$4,130,245
		L.11 + L.18 + L.26
28	Access Lines	890,093
		ACCESS LINE QUANTITIES - Line 7
29	Monthly Cost per Line	\$0.39
		L.27 / L.28 / 12

LOCAL OPERATOR ASSISTANCE MONTHLY COST

Call Type	Attempts	Source
1 No Class Charge	82,825	Operator & Directory Services - April, 1995 through December, 1995 annualized for all call attempt information.
2 No AMA	60,613	
3 Busy Line Verify Non Rev	50,496	
4 Emer Interrupt Non Rev	9,258	
5 0- No Attempt	1,152,718	
6 Total	1,355,910	
7 Operator Cost per Call	\$0.336	Operator & Directory Services
8 Total Annual Cost	\$455,586	Line 6 * Line 7
9 Total Access Lines	890,506	ACCESS LINE QUANTITIES Line 7
10 Monthly Cost / Access Line	\$0.04	Line 8 / Line 9

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CALL TYPE DEFINITIONS

NO CLASS CHARGE:

Calls which have left the operator's position with no billing class indicated.
Calling and called numbers are present.

NO AMA:

Calls on which no AMA billing is applicable; the no charge (or no AMA) field was populated on the record. Calling and called numbers are present.

BUSY LINE VERIFICATION NON REVENUE:

Request for an operator to verify that a number is busy in which there no verification charge is applied.

EMERGENCY INTERRUPT NON REVENUE:

Request for the operator to verify and interrupt a busy line on an emergency basis; no charge is applicable.

0- NO ATTEMPT:

Local and Toll call assistance such as rate quotation, area code requests, dialing instructions, emergency number information, etc.

For Busy Line Verification Non Revenue and Emergency Interrupt Non Revenue, all call attempts were used because these are only available to our local customers.

For No Class Charge and No AMA a local percentage of call attempts was used because these calls can come from anywhere.

For 0- No Attempt it was assumed that these calls only come from our local customers therefore, all call attempts were used.

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INTERCEPT COST PER LINE

	Incremental Cost (A)	Allocated Joint Cost (B)	Total Monthly Cost (C)=(B)+(A)
1 Intercept Cost per Line	\$0.0272	\$0.0063	\$0.0335

SOURCE:

Column A
Column B

Basic Intercept Cost Study, Page 1, L. 14

Basic Intercept Cost Study, Page 3, L. 14

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OTHER ISDN COSTS

1 ISDN Line Right to Use Monthly Cost	\$6.37
2 Centrex ISDN Line RTU Monthly Cost	\$0.81
3 Centrex Analog Attendant RTU Monthly Cost	\$3.27
4 Centrex ISDN Attendant RTU Monthly Cost	\$3.27

SOURCE:

Line 1
Line 2
Line 3
Line 4

ISDN Cost Study, Right-To-Use Fees, L 33

Centrex Cost Study, Right-To-Use Fees, L 15

Centrex Cost Study, Line Termination Summary, L 11

Centrex Cost Study, Line Termination Summary, L 30

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Directory Services Furniture, Computer, & Building Costs

1 Furniture Cost per Person	\$5,300
2 Annual Charge Factor	0.2169
3 Number of Directory Services Personnel	10.0
4 Total Annual Furniture Costs	\$11,496
5 Computer & Telephone Equipment per Person	\$3,450
6 Annual Charge Factor	0.4592
7 Total Annual Computer & Telephone Costs	\$15,842
8 Floor Space per Person (Sq. Feet)	145
9 Rental Cost per Square Foot per Year	\$14.90
10 Operating Cost per Square Foot per Year	\$7.00
11 Total Floor Space Cost per Person	\$3,175
12 Total Annual Building Costs	\$31,755
13 Total Computer, Furniture, & Building Costs	\$89,093

SOURCES:

- 1 CBT Real Estate Management
- 2 Service Cost Annual Charge Factor
- 3 Directory Services
- 4 $L.1 * L.2 * L.3$
- 5 CBT Corporate Telecommunications
- 6 Service Cost Annual Charge Factor
- 7 $L.3 * L.5 * L.6$
- 8 CBT Real Estate Management
- 9 CBT Real Estate Management
- 10 CBT Real Estate Management
- 11 $L.8 * (L.9 + L.10)$
- 12 $L.3 * L.11$
- 13 $L.4 + L.7 + L.12$

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ACCESS LINE QUANTITIES

	Category	In-Service Quantity (12/31/95)	Source
1	Residence Access Lines	644,630	AR118100: Line 8
2	Business Access Lines	153,743	AR118100: Line 27 - Line 19
3	PBX Trunks	25,862	AR118100: Line 29 + Line 30 + Line 31
4	DID Trunks	11,054	AR118200: Line 20
5	AIOD Trunks	19	AR118200: Line 21 + Line 22
6	Centrex Lines	54,785	AR118100: Line 33 + Line 35 + Line 37
7	Total Residence & Business	890,093	Lines 1 + 2 + 3 + 4 + 5 + 6
8	Public Coin	8,301	AR118100: Line 9
9	Semi-Public Coin	1,164	AR118100: Line 10
10	Total Coin	9,465	Sum of Line 8 + Line 9
11	Coinless	1,015	AR118100: Line 11
12	COCOTS Message	649	AR118100: Line 12
13	COCOTS Flat	338	AR118100: Line 13
14	Total Lines	901,560	Lines 7 + 10 + 11 + 12 + 13
15	Total Lines Less Incoming Only	890,506	Line 14 - Line 4
16	Percentage Residence of Total Business Excluding PBX and Coin	75.6%	Line 1 / (Line 1 + Line 2 + Line 3 + Line 4 + Line 5 + Line 6)

NOTES:

All sources refer to "TELEPHONE AND LINES IN SERVICE WIRE CENTER
MOVEMENT REPORT"

Line 15 is developed to identify lines that can contact the local operator.

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ACCESS LINE QUANTITIES - OHIO

	<u>Category</u>	<u>In-Service Quantity (12/31/95)</u>	<u>Source</u>
1	Residence Access Lines	508,349	AR118100: Line 8
2	Business Access Lines	127,712	AR118100: Line 27 - Line 19
3	PBX Trunks	22,787	AR118100: Line 29 + Line 30 + Line 31
4	DID Trunks	9,838	AR118200: Line 20
5	AIOD Trunks	19	AR118200: Line 21 + Line 22
6	Centrex Lines	45,065	AR118100: Line 33 + Line 35 + Line 37
7	Total Residence & Business	713,770	Lines 1 + 2 + 3 + 4 + 5 + 6
8	Public Coin	6,266	AR118100: Line 9
9	Semi-Public Coin	948	AR118100: Line 10
10	Total Coin	7,214	Sum of Line 8 + Line 9
11	Coinless	496	AR118100: Line 11
12	COCOTS Message	648	AR118100: Line 12
13	COCOTS Flat	0	AR118100: Line 13
14	Total Lines	722,128	Lines 7 + 10 + 11 + 12 + 13
15	Total Lines Less Incoming Only	712,290	Line 14 - Line 4

NOTES:

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MOVEMENT REPORT"

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ACCESS LINE QUANTITIES - KENTUCKY

	<u>Category</u>	<u>In-Service Quantity (12/31/95)</u>	<u>Source</u>
1	Residence Access Lines	132,372	AR118100: Line 8
2	Business Access Lines	25,704	AR118100: Line 27 - Line 19
3	PBX Trunks	3,075	AR118100: Line 29 + Line 30 + Line 31
4	DID Trunks	1,216	AR118200: Line 20
5	AIOD Trunks	0	AR118200: Line 21 + Line 22
6	Centrex Lines	9,657	AR118100: Line 33 + Line 35 + Line 37
7	Total Residence & Business	172,024	Lines 1 + 2 + 3 + 4 + 5 + 6
8	Public Coin	2,029	AR118100: Line 9
9	Semi-Public Coin	213	AR118100: Line 10
10	Total Coin	2,242	Sum of Line 8 + Line 9
11	Coinless	519	AR118100: Line 11
12	COCOTS Message	0	AR118100: Line 12
13	COCOTS Flat	338	AR118100: Line 13
14	Total Lines	175,123	Lines 7 + 10 + 11 + 12 + 13
15	Total Lines Less Incoming Only	173,907	Line 14 - Line 4

NOTES:

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ACCESS LINE QUANTITIES - INDIANA

	<u>Category</u>	<u>In-Service Quantity (12/31/95)</u>	<u>Source</u>
1	Residence Access Lines	3,909	AR118100: Line 8
2	Business Access Lines	327	AR118100: Line 27 - Line 19
3	PBX Trunks	0	AR118100: Line 29 + Line 30 + Line 31
4	DID Trunks	0	AR118200: Line 20
5	AIOD Trunks	0	AR118200: Line 21 + Line 22
6	Centrex Lines	63	AR118100: Line 33 + Line 35 + Line 37
7	Total Residence & Business	4,299	Lines 1+ 2 + 3 + 4 + 5 + 6
8	Public Coin	6	AR118100: Line 9
9	Semi-Public Coin	3	AR118100: Line 10
10	Total Coin	9	Sum of Line 8 + Line 9
11	Coinless	0	AR118100: Line 11
12	COCOTS Message	1	AR118100: Line 12
13	COCOTS Flat	0	AR118100: Line 13
14	Total Lines	4,309	Lines 7 + 10 + 11 + 12 + 13
15	Total Lines Less Incoming Only	4,309	Line 14 - Line 4

NOTES:

All sources refer to "TELEPHONE AND LINES IN SERVICE WIRE CENTER
MOVEMENT REPORT"

Line 15 is developed to identify lines that could contact the local operator.

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Wire Center	Group		Square Miles	1/1/95 Residence Loops	1/1/95 Business Loops	1/1/95 Total Loops	1/1/95 Loops per Sq. Mile
W. 7th	W7	Band 1	6.17	14,722	57,545	72,267	11,712
Avondale	AV	"	8.93	27,040	12,778	39,818	4,459
Norwood	NW	"	11.41	25,778	9,268	35,046	3,072
Price Hill	PH	"	9.54	19,510	3,874	23,384	2,451
Evendale	EV	"	11.46	9,691	18,304	27,995	2,443
Saint Bernard	SB	"	5.68	8,503	4,594	13,097	2,306
Westwood	WD	"	11.17	21,158	3,689	24,847	2,225
Hartwell	HW	"	8.97	12,589	6,225	18,814	2,098
Covington	CV	"	22.01	31,589	12,204	43,793	1,989
Hyde Park	HP	"	11.05	15,394	4,960	20,354	1,842
Mount Healthy	MH	"	14.27	20,592	3,964	24,556	1,721
Northside	NO	"	13.56	17,427	5,676	23,103	1,704
Montgomery	MO	"	8.87	6,985	7,877	14,862	1,676
Covedale	CV	"	11.56	15,342	3,530	18,872	1,632
Fairfield	FF	"	7.16	9,008	2,576	11,584	1,619
Rossmoyne	RO	"	26.35	24,674	17,854	42,528	1,614
Glendale	GD	"	11.18	4,948	12,185	17,133	1,533
Lakeside Park	LP	"	20.11	17,197	6,955	24,152	1,201
North Greenhill	NG	"	22.82	21,039	5,016	26,055	1,142
Cherry Grove	CG	"	14.33	11,718	3,764	15,482	1,081
Crescentville	CS	"	24.99	11,402	13,768	25,170	1,007
Cheviot	CH	"	12.47	9,882	1,965	11,847	950
Florence	FL	"	45.64	24,198	17,543	41,741	915
Madisonville	MA	"	22.27	13,942	5,539	19,481	875
Mt. Washington	MW	"	27.14	17,418	3,743	21,161	780
Fort Thomas	FT	"	29.43	15,658	4,112	19,770	672
Groesbeck	GR	"	32.08	16,094	4,656	20,750	647
Tobasco	TO	Band 2	29.10	14,018	4,404	18,422	633
West Chester	WC	"	43.76	18,029	3,839	21,868	500
Milford	MF	"	35.65	10,378	5,159	15,537	436
Loveland	LO	"	46.71	15,488	4,777	20,265	434
Hamilton	HM	"	115.38	37,133	10,511	47,644	413
Goshen	GO	"	22.59	6,497	947	7,444	330
Saylor Park	SP	"	32.65	7,501	1,480	8,981	275
Hamlet	HT	"	11.70	1,997	407	2,404	205
Batavia	BA	"	42.39	4,019	2,198	6,217	147
Miami	MM	"	26.30	2,837	879	3,716	141
Harrison	HR	"	93.30	8,589	2,192	10,781	116
Independence	IN	"	106.52	7,982	1,131	9,113	86
Bethel	BE	Band 3	55.04	3,792	645	4,437	81
New Richmon	NR	"	48.73	3,257	664	3,921	80
Union	UN	"	46.07	3,073	382	3,455	74
Shandon	SH	"	60.92	3,546	854	4,400	72
Alexandria	AL	"	119.57	6,919	1,217	8,136	68
Burlington	BN	"	117.86	6,001	1,362	7,363	62
Williamsburg	WB	"	54.43	2,639	719	3,358	62
Walton	WL	"	55.87	2,452	877	3,329	60
Newtonsville	NE	"	80.10	3,899	350	4,249	53
Seven Mile	SM	"	49.20	1,862	193	2,055	42
Crittenden	CT	"	76.98	2,347	268	2,615	34
Warsaw	WR	"	55.99	1,313	493	1,806	32
Williamstown	WT	"	188.33	4,266	1,461	5,727	30
Reily	RE	"	46.36	1,021	109	1,130	24
Butler	BR	"	90.79	1,799	310	2,109	23
Glencoe	GC	"	61.90	973	138	1,111	18
Falmouth	FM	"	171.90	2,406	564	2,970	17

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ACCESS USAGE COSTS - OHIO

MCI Depo.
EX NAZ
CDR 11-26-97

ACCESS USAGE COSTS -- OHIO

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- A. SUMMARY OF COSTS
- B. RESIDENCE COST RESULTS - INCREMENTAL
 - BAND 1
 - BAND 2
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- C. BUSINESS COST RESULTS - INCREMENTAL
 - BAND 1
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- E. BUSINESS COST RESULTS - AVERAGE
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- F. INPUT SHEETS

OHIO

USAGE COSTS

TAB A

**SUMMARY
ACCESS USAGE COSTS
OHIO**

RESIDENCE

	A	B	C	D	E	F
	INCREMENTAL		ALLOCATED JOINT		AVERAGE	
GROUP	SETUP	DURATION	SETUP	DURATION	SETUP	DURATION
Band 1	0.003598	0.003449	0.001416	0.001843	0.005014	0.005292
Band 2	0.003479	0.003496	0.001565	0.001966	0.005044	0.005462
Band 3	0.003705	0.003847	0.003333	0.002134	0.007038	0.005981

BUSINESS

	INCREMENTAL		ALLOCATED JOINT		AVERAGE	
GROUP	SETUP	DURATION	SETUP	DURATION	SETUP	DURATION
Band 1	0.003085	0.002256	0.001206	0.001367	0.004291	0.003623
Band 2	0.002755	0.002142	0.001204	0.001309	0.003959	0.003451
Band 3	0.002374	0.001674	0.001804	0.001278	0.004078	0.002902

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SOURCE

1986 ACCESS USAGE COST STUDY (OHIO)

Cols A,B,E,F - Summary Pages 2 and 3
Col C - Col E - Col A
Col D - Col F - Col B

**ACCESS
USAGE COSTS
(INCREMENTAL)
OHIO**

Residence

GROUP	SETUP	DURATION
Band 1	0.003598	0.003449
Band 2	0.003479	0.003496
Band 3	0.003705	0.003847

Business

GROUP	SETUP	DURATION
Band 1	0.003085	0.002256
Band 2	0.002755	0.002142
Band 3	0.002374	0.001674

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SOURCE

1996 ACCESS USAGE COST STUDY, DB:LOCINC, UNIT
COST SUMMARY, PAGE 1

SETUP COST by Group, Line All - Avg, Col. Cost
per Message (Setup)

DURATION COST by Group, Line All - Avg, Col.
Cost per Minute (Duration)

ACCESS
USAGE COSTS
(AVERAGE)
OHIO

Residence

GROUP	SETUP	DURATION
Band 1	0.005014	0.005292
Band 2	0.005044	0.005462
Band 3	0.007038	0.005981

Business

GROUP	SETUP	DURATION
Band 1	0.004291	0.003623
Band 2	0.003959	0.003451
Band 3	0.004178	0.002902

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SOURCE

1996 ACCESS USAGE COST STUDY, DB:LOCAVG, UNIT
COST SUMMARY, PAGE 1

SETUP COST by Group, Line All - Avg, Col. Cost
per Message (Setup)

DURATION COST by Group, Line All - Avg. Col.
Cost per Minute (Duration)

OHIO

USAGE COSTS

TAB B

INCREMENTAL

RESIDENCE

BAND 1

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	45942980.914	204451312.966	4.450
	TOTAL	45942980.914	204451312.966	4.450
12.9-26.8	08-07	4699977.874	20901338.436	4.447
	TOTAL	4699977.874	20901338.436	4.447
26.9-9999.9	08-07	73911.227	509650.382	6.895
	TOTAL	73911.227	509650.382	6.895
ALL	08-07	50716870.016	225862301.784	4.453
	TOTAL	50716870.016	225862301.784	4.453

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCING
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		
			EO	TDM	MEAS	FAC	TERM	SS7
0.0-12.8	08-07	0.003513	0.003166	0.000260	0.000000	0.000042	0.000045	0.000000
	AVG	0.003513	0.003166	0.000260	0.000000	0.000042	0.000045	0.000000
12.9-26.8	08-07	0.004394	0.003470	0.000703	0.000000	0.000136	0.000084	0.000000
	AVG	0.004394	0.003470	0.000703	0.000000	0.000136	0.000084	0.000000
26.9-9999.9	08-07	0.005701	0.003070	0.002242	0.000000	0.000236	0.000153	0.000000
	AVG	0.005701	0.003070	0.002242	0.000000	0.000236	0.000153	0.000000
ALL	08-07	0.003598	0.003194	0.000304	0.000000	0.000051	0.000049	0.000000
	AVG	0.003598	0.003194	0.000304	0.000000	0.000051	0.000049	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.003393	0.003065	0.000049	0.000000	0.000137	0.000142
	AVG	0.003393	0.003065	0.000049	0.000000	0.000137	0.000142
12.9-26.8	08-07	0.003964	0.003158	0.000117	0.000000	0.000431	0.000257
	AVG	0.003964	0.003158	0.000117	0.000000	0.000431	0.000257
26.9-9999.9	08-07	0.004668	0.003233	0.000376	0.000000	0.000616	0.000443
	AVG	0.004668	0.003233	0.000376	0.000000	0.000616	0.000443
ALL	08-07	0.003449	0.003074	0.000056	0.000000	0.000166	0.000153
	AVG	0.003449	0.003074	0.000056	0.000000	0.000166	0.000153

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOGINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.003513	0.000000	0.003393	0.000000	0.006906	0.003393	0.004182	0.018612
	AVG	0.003513	0.000000	0.003393	0.000000	0.006906	0.003393	0.004182	0.018612
12.9-26.8	08-07	0.004394	0.000000	0.003964	0.000000	0.008358	0.003964	0.004952	0.022021
	AVG	0.004394	0.000000	0.003964	0.000000	0.008358	0.003964	0.004952	0.022021
26.9-9999.9	08-07	0.005701	0.000000	0.004668	0.000000	0.010369	0.004668	0.005495	0.037891
	AVG	0.005701	0.000000	0.004668	0.000000	0.010369	0.004668	0.005495	0.037891
ALL	08-07	0.003598	0.000000	0.003449	0.000000	0.007046	0.003449	0.004257	0.018956
	AVG	0.003598	0.000000	0.003449	0.000000	0.007046	0.003449	0.004257	0.018956

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----			SS7
		EO	TDM	MEAS	FAC	TERM		
0.0-12.8	08-07	449740.25	36634.91	0.00	6988.09	5327.93	0.00	
	TOTAL	449740.25	36634.91	0.00	6988.09	5327.93	0.00	
12.9-26.8	08-07	50311.25	10156.73	0.00	2296.03	1021.73	0.00	
	TOTAL	50311.25	10156.73	0.00	2296.03	1021.73	0.00	
26.9-9999.9	08-07	705.88	509.13	0.00	52.47	25.64	0.00	
	TOTAL	705.88	509.13	0.00	52.47	25.64	0.00	
ALL	08-07	500757.37	47300.77	0.00	9346.60	6378.71	0.00	
	TOTAL	500757.37	47300.77	0.00	9346.60	6378.71	0.00	

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	SWITCHING			TRUNKING	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	1939684.24	30627.66	0.00	100798.25	74519.25
	TOTAL	1939684.24	30627.66	0.00	100798.25	74619.25
12.9-26.8	08-07	203520.98	7534.74	0.00	32341.40	13858.89
	TOTAL	203520.98	7534.74	0.00	32341.40	13858.89
26.9-9999.9	08-07	5143.37	589.24	0.00	1126.22	552.03
	TOTAL	5143.37	589.24	0.00	1126.22	552.03
ALL	08-07	2148348.59	38751.64	0.00	134265.87	89050.17
	TOTAL	2148348.59	38751.64	0.00	134265.87	89050.17

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOGINC
VER : 4.1
CALC TYPE: MARGINAL

RUN DATE: 20-JAN-97
TIME : 13:39:43
PAGE : 7

Studies Combined in this Report

AVDR, AVNR, CDDR, CDNR, CGDR, CGNR, CHDR, CHNR, CSDR, CSNR, EVDR, EVNR, FFDR, FFNR, GDDR, GDNR,
GRDR, GRNR, HPDR, HPNR, HWDR, HWNR, MADR, MANR, MHDR, MHNR, MODR, MONR, MNR, MNR, MNR, MNR,
NSDR, NSNR, NWDR, NWNR, PHDR, PHNR, RODR, RCONR, SBDR, SBNR, WDDR, WCONR, WSDR, WSNR

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RESIDENCE

BAND 2

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:46:06
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	12356404.827	54995347.194	4.451
	TOTAL	12356404.827	54995347.194	4.451
12.9-26.8	08-07	3854318.963	17007986.052	4.413
	TOTAL	3854318.963	17007986.052	4.413
26.9-9999.9	08-07	105640.080	668632.126	6.329
	TOTAL	105640.080	668632.126	6.329
ALL	08-07	16316363.870	72671965.372	4.454
	TOTAL	16316363.870	72671965.372	4.454

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:46:06
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.003183	0.002855	0.000226	0.000000	0.000067	0.000035	0.000000
	AVG	0.003183	0.002855	0.000226	0.000000	0.000067	0.000035	0.000000
12.9-26.8	08-07	0.004384	0.003547	0.000584	0.000000	0.000171	0.000081	0.000000
	AVG	0.004384	0.003547	0.000584	0.000000	0.000171	0.000081	0.000000
26.9-9999.9	08-07	0.005078	0.003531	0.001223	0.000000	0.000220	0.000104	0.000000
	AVG	0.005078	0.003531	0.001223	0.000000	0.000220	0.000104	0.000000
ALL	08-07	0.003479	0.003023	0.000317	0.000000	0.000093	0.000046	0.000000
	AVG	0.003479	0.003023	0.000317	0.000000	0.000093	0.000046	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME 13:46:06
PAGE 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.003343	0.002973	0.000044	0.000000	0.000217	0.000109
	AVG	0.003343	0.002973	0.000044	0.000000	0.000217	0.000109
12.9-26.8	08-07	0.003956	0.003067	0.000102	0.000000	0.000539	0.000247
	AVG	0.003956	0.003067	0.000102	0.000000	0.000539	0.000247
26.9-9999.9	08-07	0.004305	0.003188	0.000211	0.000000	0.000615	0.000291
	AVG	0.004305	0.003188	0.000211	0.000000	0.000615	0.000291
ALL	08-07	0.003496	0.002997	0.000059	0.000000	0.000296	0.000143
	AVG	0.003496	0.002997	0.000059	0.000000	0.000296	0.000143

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:46:06
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.003183	0.000000	0.003343	0.000000	0.006527	0.003343	0.004059	0.018064
	AVG	0.003183	0.000000	0.003343	0.000000	0.006527	0.003343	0.004059	0.018064
12.9-25.8	08-07	0.004384	0.000000	0.003956	0.000000	0.008340	0.003956	0.004950	0.021842
	AVG	0.004384	0.000000	0.003956	0.000000	0.008340	0.003956	0.004950	0.021842
26.9-9999.9	08-07	0.005078	0.000000	0.004305	0.000000	0.009384	0.004305	0.005108	0.032327
	AVG	0.005078	0.000000	0.004305	0.000000	0.009384	0.004305	0.005108	0.032327
ALL	08-07	0.003479	0.000000	0.003496	0.000000	0.006975	0.003496	0.004277	0.019049
	AVG	0.003479	0.000000	0.003496	0.000000	0.006975	0.003496	0.004277	0.019049

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCING
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:46:06
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING		TRUNKING			SS7
		EQ	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	108401.86	8590.73	0.00	2989.55	1115.75	0.00
	TOTAL	108401.86	8590.73	0.00	2989.55	1115.75	0.00
12.9-26.8	08-07	42116.73	5916.78	0.00	2370.75	803.22	0.00
	TOTAL	42116.73	5916.78	0.00	2370.75	803.22	0.00
26.9-9999.9	08-07	1145.87	397.03	0.00	63.34	28.44	0.00
	TOTAL	1145.87	397.03	0.00	63.34	28.44	0.00
ALL	08-07	151664.46	15904.54	0.00	5443.65	1947.41	0.00
	TOTAL	151664.46	15904.54	0.00	5443.65	1947.41	0.00

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:46:06
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	502477.29	7457.19	0.00	42835.24	15478.64
	TOTAL	502477.29	7457.19	0.00	42835.24	15478.64
12.9-26.8	08-07	160766.78	5349.16	0.00	32906.02	10840.99
	TOTAL	160766.78	5349.16	0.00	32906.02	10840.99
26.9-9999.9	08-07	6549.66	433.34	0.00	1473.85	501.60
	TOTAL	6549.66	433.34	0.00	1473.85	501.60
ALL	08-07	669793.73	13239.69	0.00	77215.11	25821.23
	TOTAL	669793.73	13239.69	0.00	77215.11	25821.23

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BAND 2 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL

RUN DATE: 20-JAN-97
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Studies Combined in this Report

BADR, BANR, GDDR, GONR, HMOR, HMNR, HRDR, HRNR, HTDR, HTNR, LDDR, LONR, MEDR, MNR, GOR, HMR,
SPDR, SPNR, TODR, TONR, WCDR, WCNR

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AVERAGE

RESIDENCE

BAND 3

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	2134331.907	9444998.048	4.425
	TOTAL	2134331.907	9444998.048	4.425
12.9-26.8	08-07	695853.393	3200470.070	4.599
	TOTAL	695853.393	3200470.070	4.599
26.9-9999.9	08-07	101107.389	424392.179	4.197
	TOTAL	101107.389	424392.179	4.197
ALL	08-07	2931292.689	13069860.297	4.459
	TOTAL	2931292.689	13069860.297	4.459

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BAND 3 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.003032	0.002267	0.000571	0.000000	0.000146	0.000047	0.000000
	AVG	0.003032	0.002267	0.000571	0.000000	0.000146	0.000047	0.000000
12.9-26.8	08-07	0.005552	0.003264	0.001879	0.000000	0.000288	0.000121	0.000000
	AVG	0.005552	0.003264	0.001879	0.000000	0.000288	0.000121	0.000000
26.9-9999.9	08-07	0.005206	0.003391	0.001409	0.000000	0.000288	0.000118	0.000000
	AVG	0.005206	0.003391	0.001409	0.000000	0.000288	0.000118	0.000000
ALL	08-07	0.003705	0.002543	0.000910	0.000000	0.000145	0.000067	0.000000
	AVG	0.003705	0.002543	0.000910	0.000000	0.000145	0.000067	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.003322	0.002553	0.000063	0.000000	0.000542	0.000163
	AVG	0.003322	0.002553	0.000063	0.000000	0.000542	0.000163
12.9-26.8	08-07	0.005204	0.003485	0.000201	0.000000	0.001102	0.000415
	AVG	0.005204	0.003485	0.000201	0.000000	0.001102	0.000415
26.9-9999.9	08-07	0.005305	0.003596	0.000220	0.000000	0.001076	0.000412
	AVG	0.005305	0.003596	0.000220	0.000000	0.001076	0.000412
ALL	08-07	0.003847	0.002815	0.000102	0.000000	0.000697	0.000233
	AVG	0.003847	0.002815	0.000102	0.000000	0.000697	0.000233

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADOL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.003032	0.000000	0.003322	0.000000	0.006354	0.003322	0.004007	0.017732
	AVG	0.003032	0.000000	0.003322	0.000000	0.006354	0.003322	0.004007	0.017732
12.9-26.8	08-07	0.005552	0.000000	0.005204	0.000000	0.010756	0.005204	0.006411	0.029486
	AVG	0.005552	0.000000	0.005204	0.000000	0.010756	0.005204	0.006411	0.029486
26.9-9999.9	08-07	0.005206	0.000000	0.005305	0.000000	0.010511	0.005305	0.006545	0.027473
	AVG	0.005206	0.000000	0.005305	0.000000	0.010511	0.005305	0.006545	0.027473
ALL	08-07	0.003705	0.000000	0.003847	0.000000	0.007552	0.003847	0.004678	0.020858
	AVG	0.003705	0.000000	0.003847	0.000000	0.007552	0.003847	0.004678	0.020858

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOGINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----		SS7
		EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-97	14866.29	3743.97	0.00	1121.10	260.24	0.00
	TOTAL	14866.29	3743.97	0.00	1121.10	260.24	0.00
12.9-26.8	08-97	6989.97	4017.29	0.00	719.27	217.37	0.00
	TOTAL	6989.97	4017.29	0.00	719.27	217.37	0.00
26.9-9999.9	08-97	1055.95	437.62	0.00	104.34	30.78	0.00
	TOTAL	1055.95	437.62	0.00	104.34	30.78	0.00
ALL	08-97	22912.21	8198.88	0.00	1944.71	508.38	0.00
	TOTAL	22912.21	8198.88	0.00	1944.71	508.38	0.00

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 5

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	SWITCHING			TRUNKING	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	74090.74	1841.46	0.00	18361.46	3964.32
	TOTAL	74090.74	1841.46	0.00	18361.46	3964.32
12.9-26.8	08-07	34327.76	1980.40	0.00	12651.38	3424.49
	TOTAL	34327.76	1980.40	0.00	12651.38	3424.49
26.9-9999.9	08-07	4698.33	287.38	0.00	1638.14	450.80
	TOTAL	4698.33	287.38	0.00	1638.14	450.80
ALL	08-07	113116.82	4109.24	0.00	32650.98	7839.61
	TOTAL	113116.82	4109.24	0.00	32650.98	7839.61

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOGINC
VER : 4.1
CALC TYPE: MARGINAL

RUN DATE: 20-JAN-97
TIME : 13:50:24
PAGE : 7

Studies Combined in this Report

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BEGR, BENR, NEDR, NENR, NGR, NRNR, REDR, RENR, NDR, SDR, SNR, RDR, RNR
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OHIO

USAGE COSTS

TAB C

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	31950388.805	71542120.505	2.239
	TOTAL	31950388.805	71542120.505	2.239
12.9-25.8	08-07	3658322.594	7868561.249	2.151
	TOTAL	3658322.594	7868561.249	2.151
26.9-9999.9	08-07	34943.623	111597.540	3.194
	TOTAL	34943.623	111597.540	3.194
ALL	08-07	35643655.022	79522279.294	2.231
	TOTAL	35643655.022	79522279.294	2.231

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:30:40
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.003005	0.002611	0.000314	0.000000	0.000038	0.000043	0.000000
	AVG	0.003005	0.002611	0.000314	0.000000	0.000038	0.000043	0.000000
12.9-26.8	08-07	0.003763	0.002831	0.000732	0.000000	0.000121	0.000079	0.000000
	AVG	0.003763	0.002831	0.000732	0.000000	0.000121	0.000079	0.000000
25.9-9999.9	08-07	0.005121	0.002200	0.002475	0.000000	0.000285	0.000160	0.000000
	AVG	0.005121	0.002200	0.002475	0.000000	0.000285	0.000160	0.000000
ALL	08-07	0.003085	0.002633	0.000359	0.000000	0.000047	0.000046	0.000000
	AVG	0.003085	0.002633	0.000359	0.000000	0.000047	0.000046	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LCCING
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	CS-07	0.002211	0.001961	0.000042	0.000000	0.000098	0.000110
	AVG	0.002211	0.001961	0.000042	0.000000	0.000098	0.000110
12.9-25.8	CS-07	0.002646	0.002035	0.000096	0.000000	0.000313	0.000202
	AVG	0.002646	0.002035	0.000096	0.000000	0.000313	0.000202
26.9-9999.9	CS-07	0.003533	0.002065	0.000344	0.000000	0.000716	0.000408
	AVG	0.003533	0.002065	0.000344	0.000000	0.000716	0.000408
ALL	CS-07	0.002256	0.001968	0.000048	0.000000	0.000120	0.000120
	AVG	0.002256	0.001968	0.000048	0.000000	0.000120	0.000120

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADOL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.003005	0.000000	0.002211	0.000000	0.005216	0.002211	0.003553	0.007956
	AVG	0.003005	0.000000	0.002211	0.000000	0.005216	0.002211	0.003553	0.007956
12.9-26.8	08-07	0.003763	0.000000	0.002646	0.000000	0.006410	0.002646	0.004396	0.009455
	AVG	0.003763	0.000000	0.002646	0.000000	0.006410	0.002646	0.004396	0.009455
26.9-9999.9	08-07	0.005121	0.000000	0.003533	0.000000	0.008654	0.003533	0.005137	0.016406
	AVG	0.005121	0.000000	0.003533	0.000000	0.008654	0.003533	0.005137	0.016406
ALL	08-07	0.003085	0.000000	0.002256	0.000000	0.005341	0.002256	0.003639	0.008118
	AVG	0.003085	0.000000	0.002256	0.000000	0.005341	0.002256	0.003639	0.008118

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOGIC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING			TRUNKING			S\$7
		EO	TDM	MEAS	FAC	TERM		
0.0-12.8	08-07	256719.28	30850.54	0.00	4338.37	3499.55	0.00	
	TOTAL	256719.28	30850.54	0.00	4338.37	3499.55	0.00	
12.9-26.8	08-07	31852.55	8221.66	0.00	1593.97	748.65	0.00	
	TOTAL	31852.55	8221.66	0.00	1593.97	748.65	0.00	
26.9-9999.9	08-07	237.02	265.74	0.00	35.80	14.38	0.00	
	TOTAL	237.02	265.74	0.00	35.80	14.38	0.00	
ALL	08-07	288808.85	39337.94	0.00	6368.14	4262.59	0.00	
	TOTAL	288808.85	39337.94	0.00	6368.14	4262.59	0.00	

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOGINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 5

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	431762.87	9205.21	0.00	25211.94	20278.66
	TOTAL	431762.87	9205.21	0.00	25211.94	20278.66
12.9-26.8	08-07	49240.04	2323.89	0.00	8827.98	4102.06
	TOTAL	49240.04	2323.89	0.00	8827.98	4102.06
26.9-9999.9	08-07	710.87	117.96	0.00	286.47	117.43
	TOTAL	710.87	117.96	0.00	286.47	117.43
ALL	08-07	481713.78	11647.05	0.00	34326.39	24498.14
	TOTAL	481713.78	11647.05	0.00	34326.39	24498.14

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LCCINC
VER : 4.1
CALC TYPE: MARGINAL

RUN DATE: 20-JAN-97
TIME : 14:00:40
PAGE : 7

Studies Combined in this Report

AVDB, AVNB, CDOB, CONB, CGDB, CGNB, CHDB, CHNB, CSDB, CSNB, EVDB, EVNB, FDOB, FDNB, GDOB, GDNB,
GRDB, GRNB, HPDB, HPNB, HWDB, HWNB, MADB, MANB, MHDB, MNB, MDOB, MONB, MWDB, MWNB, NDOB, NGNB,
NSDB, NSNB, NWDB, NWNB, PHDB, PHNB, RDOB, RONB, SDOB, SSNB, WDOB, WDNB, WSDB, WSNB

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AVERAGE

BUSINESS

BAND 2

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	4534397.535	9898691.392	2.183
	TOTAL	4534397.535	9898691.392	2.183
12.9-26.8	08-07	1370993.926	2992881.012	2.183
	TOTAL	1370993.926	2992881.012	2.183
26.9-9999.9	08-07	34632.029	114109.652	3.295
	TOTAL	34632.029	114109.652	3.295
ALL	08-07	5940023.489	13005682.056	2.190
	TOTAL	5940023.489	13005682.056	2.190

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCING
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		
			EO	TCM	MEAS	FAC	TERM	SS7
0.0-12.8	08-07	0.002494	0.002067	0.000336	0.000000	0.000057	0.000034	0.000000
	AVG	0.002494	0.002067	0.000336	0.000000	0.000057	0.000034	0.000000
12.9-26.8	08-07	0.003586	0.002575	0.000797	0.000000	0.000143	0.000071	0.000000
	AVG	0.003586	0.002575	0.000797	0.000000	0.000143	0.000071	0.000000
26.9-9999.9	08-07	0.004022	0.002437	0.001309	0.000000	0.000184	0.000092	0.000000
	AVG	0.004022	0.002437	0.001309	0.000000	0.000184	0.000092	0.000000
ALL	08-07	0.002755	0.002186	0.000448	0.000000	0.000078	0.000043	0.000000
	AVG	0.002755	0.002186	0.000448	0.000000	0.000078	0.000043	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

IS : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 21-JAN-97
TIME : 12:49:05
PAGE : 5

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----		
		ED	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	72446.79	9216.29	0.00	6580.70	7398.62	
	TOTAL	72446.79	9216.29	0.00	6580.70	7398.62	
12.9-26.8	08-07	25946.56	5816.47	0.00	5409.62	4610.78	
	TOTAL	25946.56	5816.47	0.00	5409.62	4610.78	
26.9-9999.9	08-07	962.67	388.02	0.00	220.13	206.16	
	TOTAL	962.67	388.02	0.00	220.13	206.16	
ALL	08-07	99356.02	15420.77	0.00	12210.45	12215.56	
	TOTAL	99356.02	15420.77	0.00	12210.45	12215.56	

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE

RUN DATE: 20-JAN-97
TIME : 12:49:05
PAGE : 7

Studies Combined in this Report

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SADB, BANB, HMOB, HMNB, HRDB, HRNB, HTDB, HTNB, LCOB, LOGB, MFDB, MFNB, MDOB, MNDB, SPOB, SPNB,
TDOB, TONB, WCOB, WCNB

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INCREMENTAL

BUSINESS

BAND 3

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: SEDB, BENB, NEDB, NEVB, NRDB, REDB, RENB, SHDB, SHNB, SMDB, SMNB, WEDB, WBNB

RUN DATE: 20-JAN-97
TIME : 12:52:49
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN/MSG
0.0-12.8	08-07	359105.423	772996.856	2.153
	TOTAL	359105.423	772996.856	2.153
12.9-26.8	08-07	118011.058	251377.745	2.130
	TOTAL	118011.058	251377.745	2.130
26.9-9999.9	08-07	13688.577	26306.545	1.922
	TOTAL	13688.577	26306.545	1.922
ALL	08-07	490805.058	1050681.145	2.141
	TOTAL	490805.058	1050681.145	2.141

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.002023	0.001738	0.000045	0.000000	0.000151	0.000089
	AVG	0.002023	0.001738	0.000045	0.000000	0.000151	0.000089
12.9-26.8	08-07	0.002518	0.001869	0.000101	0.000000	0.000366	0.000182
	AVG	0.002518	0.001869	0.000101	0.000000	0.000366	0.000182
26.9-9999.9	08-07	0.002627	0.001781	0.000175	0.000000	0.000446	0.000225
	AVG	0.002627	0.001781	0.000175	0.000000	0.000446	0.000225
ALL	08-07	0.002142	0.001768	0.000059	0.000000	0.000203	0.000111
	AVG	0.002142	0.001768	0.000059	0.000000	0.000203	0.000111

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADDD MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.002494	0.000000	0.002023	0.000000	0.004517	0.002023	0.003165	0.006909
	AVG	0.002494	0.000000	0.002023	0.000000	0.004517	0.002023	0.003165	0.006909
12.9-26.8	08-07	0.003586	0.000000	0.002518	0.000000	0.006104	0.002518	0.004161	0.009088
	AVG	0.003586	0.000000	0.002518	0.000000	0.006104	0.002518	0.004161	0.009088
26.9-9999.9	08-07	0.004022	0.000000	0.002627	0.000000	0.006649	0.002627	0.003848	0.012677
	AVG	0.004022	0.000000	0.002627	0.000000	0.006649	0.002627	0.003848	0.012677
ALL	08-07	0.002755	0.000000	0.002142	0.000000	0.004897	0.002142	0.003400	0.007445
	AVG	0.002755	0.000000	0.002142	0.000000	0.004897	0.002142	0.003400	0.007445

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING		TRUNKING			SS7
		EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	28794.97	4685.16	0.00	928.86	397.15	0.00
	TOTAL	28794.97	4685.16	0.00	928.86	397.15	0.00
12.9-26.8	08-07	10864.94	3357.31	0.00	702.24	251.11	0.00
	TOTAL	10864.94	3357.31	0.00	702.24	251.12	0.00
26.9-9999.9	08-07	259.27	139.30	0.00	22.89	84.47	0.00
	TOTAL	259.27	139.30	0.00	22.89	84.47	0.00
ALL	08-07	39919.18	8181.78	0.00	1654.00	656.44	0.00
	TOTAL	39919.18	8181.78	0.00	1654.00	656.44	0.00

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME 14:15:25
PAGE 5

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	SWITCHING			TRUNKING	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	52860.75	1373.91	0.00	5343.73	2266.95
	TOTAL	52860.75	1373.91	0.00	5343.73	2266.95
12.9-26.8	08-07	17213.65	931.40	0.00	3931.06	1408.31
	TOTAL	17213.65	931.40	0.00	3931.06	1408.31
26.9-9999.9	08-07	624.26	61.48	0.00	182.49	66.12
	TOTAL	624.26	61.48	0.00	182.49	66.12
ALL	08-07	70698.66	2366.79	0.00	9457.29	3733.37
	TOTAL	70698.66	2366.79	0.00	9457.29	3733.37

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL

RUN DATE: 20-JAN-97
TIME : 14:15:25
PAGE : 7

Studies Combined in this report:

BADB, BANB, HMDB, HMNB, HRDB, HRNB, HTDB, HTNB, LADB, LONB, MEDB, MTNB, MMDB, MMNB, SPDB, SPNB,
TCDB, TONB, WADB, WCNB

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AVERAGE

BUSINESS

BAND 3

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BEDB, BENB, NEDB, NEVB, NRDB, REDB, RENB, SHDB, SHNB, SMDB, SMNB, WDBB, WBNB

RUN DATE: 20-JAN-97
TIME : 14:19:06
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	359105.423	772996.856	2.153
	TOTAL	359105.423	772996.856	2.153
12.9-26.8	08-07	118011.058	251377.745	2.130
	TOTAL	118011.058	251377.745	2.130
26.9-9999.9	08-07	13688.577	26306.545	1.922
	TOTAL	13688.577	26306.545	1.922
ALL	08-07	490805.058	1050681.145	2.141
	TOTAL	490805.058	1050681.145	2.141

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BEDB, BENB, NEDB, NENB, NRDB, REDB, RENB, SHDB, SHNB, SMDB, SMNB, WDBB, WBNB

RUN DATE: 20-JAN-97
TIME : 14:19:06
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.001786	0.001152	0.000507	0.000000	0.000092	0.000035	0.000000
	AVG	0.001786	0.001152	0.000507	0.000000	0.000092	0.000035	0.000000
12.9-26.8	08-07	0.004013	0.002138	0.001624	0.000000	0.000162	0.000088	0.000000
	AVG	0.004013	0.002138	0.001624	0.000000	0.000162	0.000088	0.000000
26.9-9999.9	08-07	0.003671	0.001877	0.001541	0.000000	0.000163	0.000090	0.000000
	AVG	0.003671	0.001877	0.001541	0.000000	0.000163	0.000090	0.000000
ALL	08-07	0.002374	0.001410	0.000805	0.000000	0.000111	0.000049	0.000000
	AVG	0.002374	0.001410	0.000805	0.000000	0.000111	0.000049	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BEDB, BENB, NEDB, NENB, NRDB, REDB, RENB, SHCB, SHNB, SMDB, SMNB, WDOB, WBNB

RUN DATE: 20-JAN-97
TIME : 14:19:36
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.001373	0.000981	0.000045	0.000000	0.000254	0.000094
	AVG	0.001373	0.000981	0.000045	0.000000	0.000254	0.000094
12.9-26.8	08-07	0.002529	0.001691	0.000156	0.000000	0.000448	0.000235
	AVG	0.002529	0.001691	0.000156	0.000000	0.000448	0.000235
26.9-9999.9	08-07	0.002352	0.001489	0.000167	0.000000	0.000454	0.000242
	AVG	0.002352	0.001489	0.000167	0.000000	0.000454	0.000242
ALL	08-07	0.001674	0.001163	0.000074	0.000000	0.000305	0.000131
	AVG	0.001674	0.001163	0.000074	0.000000	0.000305	0.000131

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LCCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BECB, BENB, NEDB, NENB, NRDB, REDB, RENB, SHDB, SHNB, SMDB, SMNB, WDBB, WBNB

RUN DATE: 20-JAN-97
TIME : 14:19:06
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADDL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	DB-07	0.001786	0.000000	0.001373	0.000000	0.003159	0.001373	0.002203	0.004742
	AVG	0.001786	0.000000	0.001373	0.000000	0.003159	0.001373	0.002203	0.004742
12.9-26.8	DB-07	0.004013	0.000000	0.002529	0.000000	0.006542	0.002529	0.004413	0.009401
	AVG	0.004013	0.000000	0.002529	0.000000	0.006542	0.002529	0.004413	0.009401
26.9-9999.9	DB-07	0.003671	0.000000	0.002352	0.000000	0.006023	0.002352	0.004252	0.008191
	AVG	0.003671	0.000000	0.002352	0.000000	0.006023	0.002352	0.004252	0.008191
ALL	DB-07	0.002374	0.000000	0.001674	0.000000	0.004046	0.001674	0.002783	0.005958
	AVG	0.002374	0.000000	0.001674	0.000000	0.004046	0.001674	0.002783	0.005958

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BEDB, BENB, NEDB, NENB, NRDB, REDB, RENB, SHDB, SHNB, SMOB, SMNB, *BOB, WBNB

RUN DATE: 20-JAN-97
TIME : 14:19:06
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----		SS7
		EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	1271.48	559.62	0.00	117.90	32.51	0.00
	TOTAL	1271.48	559.62	0.00	117.90	32.51	0.00
12.9-25.8	08-07	775.72	588.94	0.00	68.64	26.83	0.00
	TOTAL	775.72	588.94	0.00	68.64	26.83	0.00
25.9-9999.9	08-07	79.15	64.80	0.00	0.03	3.18	0.00
	TOTAL	79.15	64.80	0.00	0.03	3.18	0.00
ALL	08-07	2126.35	1213.36	0.00	184.57	62.52	0.00
	TOTAL	2126.35	1213.36	0.00	184.57	62.52	0.00

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 BUSINESS

DB : LOCINC
VER : 4.1
CALC TYPE: MARGINAL
STUDY: BEDB, BENB, NEDB, NENB, NRDB, REDB, RENB, SHDB, SHNB, SMDB, SMNB, WDBB, WENB

RUN DATE: 20-JAN-97
TIME : 14:19:06
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	SWITCHING			TRUNKING	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	2328.98	106.01	0.00	703.67	186.65
	TOTAL	2328.98	106.01	0.00	703.67	186.65
12.9-26.8	08-07	1306.61	120.41	0.00	403.67	152.27
	TOTAL	1306.61	120.41	0.00	403.67	152.27
26.9-9999.9	08-07	120.66	13.51	0.00	42.80	16.39
	TOTAL	120.66	13.51	0.00	42.80	16.39
ALL	08-07	3756.25	239.93	0.00	1150.14	355.31
	TOTAL	3756.25	239.93	0.00	1150.14	355.31

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OHIO

USAGE COSTS

TAB D

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:26:34
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	45942980 914	204451312.966	4.450
	TOTAL	45942980 914	204451312.966	4.450
12.9-26.8	08-07	4699977 874	20901338.436	4.447
	TOTAL	4699977 874	20901338.436	4.447
26.9-9999.9	08-07	73911.227	509650.382	5.895
	TOTAL	73911.227	509650.382	5.895
ALL	08-07	50716870 016	225862301.784	4.453
	TOTAL	50716870 016	225862301.784	4.453

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NETWORK COST ANALYSIS TOOL (NCAT)
 BAND 1 RESIDENCE

DB : LOCAVG
 PER : 4.1
 CALC TYPE: AVERAGE
 STUDY: see attached list of studies

RUN DATE: 20-JAN-97
 TIME : 12:25:34
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TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		
			EO	TDM	MEAS	FAC	TERM	SS7
0.0-12.8	08-07	0.004779	0.004157	0.000427	3.000000	0.000054	0.000140	0.000000
	AVG	0.004779	0.004157	0.000427	3.000000	0.000054	0.000140	0.000000
12.9-26.8	08-07	0.007217	0.005566	0.001185	3.000000	0.000187	0.000279	0.000000
	AVG	0.007217	0.005566	0.001185	3.000000	0.000187	0.000279	0.000000
26.9-9999.9	08-07	0.011233	0.006841	0.003649	3.000000	0.000287	0.000456	0.000000
	AVG	0.011233	0.006841	0.003649	3.000000	0.000287	0.000456	0.000000
ALL	08-07	0.005014	0.004292	0.000502	3.000000	0.000067	0.000154	0.000000
	AVG	0.005014	0.004292	0.000502	3.000000	0.000067	0.000154	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LDCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:26:34
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.005126	0.004188	0.000311	0.000000	0.000179	0.000448
	AVG	0.005126	0.004188	0.000311	0.000000	0.000179	0.000448
12.9-26.8	08-07	0.006835	0.004617	0.000747	0.000000	0.000607	0.000863
	AVG	0.006835	0.004617	0.000747	0.000000	0.000607	0.000863
26.9-9999.9	08-07	0.008690	0.004316	0.002286	0.000000	0.000754	0.001333
	AVG	0.008690	0.004316	0.002286	0.000000	0.000754	0.001333
ALL	08-07	0.005292	0.004228	0.000356	0.000000	0.000220	0.000489
	AVG	0.005292	0.004228	0.000356	0.000000	0.000220	0.000489

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:26:34
PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADCL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.004779	0.000000	0.005126	0.000000	0.009905	0.005126	0.006200	0.027591
	AVG	0.004779	0.000000	0.005126	0.000000	0.009905	0.005126	0.006200	0.027591
12.9-26.8	08-07	0.007217	0.000000	0.006835	0.000000	0.014051	0.006835	0.008457	0.037611
	AVG	0.007217	0.000000	0.006835	0.000000	0.014051	0.006835	0.008457	0.037611
26.9-9999.9	08-07	0.011233	0.000000	0.008690	0.000000	0.019922	0.008690	0.010319	0.071151
	AVG	0.011233	0.000000	0.008690	0.000000	0.019922	0.008690	0.010319	0.071151
ALL	08-07	0.005014	0.000000	0.005292	0.000000	0.010307	0.005292	0.006418	0.028583
	AVG	0.005014	0.000000	0.005292	0.000000	0.010307	0.005292	0.006418	0.028583

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:26:34
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING			TRUNKING		
		EO	TDM	MEAS	FAC	TERM	SS7
0.0-12.8	08-07	594320.66	61037.11	0.00	8958.17	17145.00	0.00
	TOTAL	594320.66	61037.11	0.00	8958.17	17145.00	0.00
12.9-26.8	08-07	81408.01	17333.77	0.00	3148.58	3477.65	0.00
	TOTAL	81408.01	17333.77	0.00	3148.58	3477.65	0.00
26.9-9999.9	08-07	1573.35	839.32	0.00	75.99	89.56	0.00
	TOTAL	1573.35	839.32	0.00	75.99	89.56	0.00
ALL	08-07	677302.01	79210.20	0.00	12182.74	20712.21	0.00
	TOTAL	677302.01	79210.20	0.00	12182.74	20712.21	0.00

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:25:34
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	SWITCHING			TRUNKING	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	2664248.59	197788.51	0.00	131398.43	243559.30
	TOTAL	2664248.59	197788.51	0.00	131398.43	243559.30
12.9-26.8	08-07	300318.93	48574.87	0.00	45536.65	47915.80
	TOTAL	300318.93	48574.87	0.00	45536.65	47915.80
26.9-9999.9	08-07	6844.88	3625.98	0.00	1378.66	1804.73
	TOTAL	6844.88	3625.98	0.00	1378.66	1804.73
ALL	08-07	2971412.41	249989.36	0.00	178313.75	293280.83
	TOTAL	2971412.41	249989.36	0.00	178313.75	293280.83

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 RESIDENCE

DB : LOC4VS
VER : 4.1
CALC TYPE: AVERAGE

RUN DATE: 20-JAN-97
TIME : 12:26:34
PAGE : 7

Studies Combined in this Report

AVDR, AVNR, CDDR, CDNR, CSOR, CGNR, CHDR, CHNR, CSOR, CSNR, EVDR, EVNR, FFDR, FFNR, GGDR, GGNR, GRDR, GRNR, HPDR, HPNR, HWDR, HWNR, MADR, MANR, MHDR, MHNR, MOOR, MONR, MWDR, MWNR, NGDR, NGNR, NSOR, NSNR, NWDR, NWNR, PHDR, PHNR, ROOR, RONR, SBOR, SBNR, WDDR, WDNR, WSOR, WSNR

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INCREMENTAL

RESIDENCE

BAND 2

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:34:16
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	12356404.827	54995347.194	4.451
	TOTAL	12356404.827	54995347.194	4.451
12.9-26.8	08-07	3854318.963	17007986.052	4.413
	TOTAL	3854318.963	17007986.052	4.413
26.9-9999.9	08-07	105640.080	668632.126	6.329
	TOTAL	105640.080	668632.126	6.329
ALL	08-07	16316363.870	72671965.372	4.454
	TOTAL	16316363.870	72671965.372	4.454

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCAVG
PER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:34:16
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.004507	0.003932	0.000384	0.000000	0.000082	0.000109	0.000000
	AVG	0.004507	0.003932	0.000384	0.000000	0.000082	0.000109	0.000000
12.9-26.8	08-07	0.006621	0.005157	0.000959	0.000000	0.000246	0.000265	0.000000
	AVG	0.006621	0.005157	0.000959	0.000000	0.000246	0.000265	0.000000
26.9-9999.9	08-07	0.010302	0.007684	0.002029	0.000000	0.000267	0.000322	0.000000
	AVG	0.010302	0.007684	0.002029	0.000000	0.000267	0.000322	0.000000
ALL	08-07	0.005044	0.004246	0.000530	0.000000	0.000120	0.000147	0.000000
	AVG	0.005044	0.004246	0.000530	0.000000	0.000120	0.000147	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:34:16
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	C8-07	0.005011	0.004108	0.000292	0.000000	0.000267	0.000344
	AVG	0.005011	0.004108	0.000292	0.000000	0.000267	0.000344
12.9-26.8	C8-07	0.006833	0.004587	0.000639	0.000000	0.000778	0.000829
	AVG	0.006833	0.004587	0.000639	0.000000	0.000778	0.000829
26.9-9999.9	C8-07	0.007641	0.004699	0.001319	0.000000	0.000738	0.000885
	AVG	0.007641	0.004699	0.001319	0.000000	0.000738	0.000885
ALL	C8-07	0.005462	0.004226	0.000383	0.000000	0.000391	0.000463
	AVG	0.005462	0.004226	0.000383	0.000000	0.000391	0.000463

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BAND 2 RESIDENCE

STUDY: see attached list of studies

PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADOL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.004507	0.000000	0.005011	0.000000	0.009518	0.005011	0.006024	0.026810
	AVG	0.004507	0.000000	0.005011	0.000000	0.009518	0.005011	0.006024	0.026810
12.9-26.8	08-07	0.006621	0.000000	0.006833	0.000000	0.013454	0.006833	0.008334	0.036775
	AVG	0.006621	0.000000	0.006833	0.000000	0.013454	0.006833	0.008334	0.036775
26.9-9999.9	08-07	0.010302	0.000000	0.007641	0.000000	0.017944	0.007641	0.009269	0.058688
	AVG	0.010302	0.000000	0.007641	0.000000	0.017944	0.007641	0.009269	0.058688
ALL	08-07	0.005044	0.000000	0.005462	0.000000	0.010505	0.005462	0.006594	0.029370
	AVG	0.005044	0.000000	0.005462	0.000000	0.010505	0.005462	0.006594	0.029370

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0.005462 0.006594 0.029370
0.005462 0.006594 0.029370

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:34:16
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING			TRUNKING			SS7
		EO	TDM	MEAS	FAC	TERM		
0.0-12.8	08-07	151183.04	14759.60	0.00	3629.80	3577.60	0.00	
	TOTAL	151183.04	14759.60	0.00	3629.80	3577.60	0.00	
12.9-26.8	08-07	61855.63	11499.93	0.00	3311.57	2716.25	0.00	
	TOTAL	61855.63	11499.93	0.00	3311.57	2716.25	0.00	
26.9-9999.9	08-07	2525.94	667.11	0.00	101.32	99.24	0.00	
	TOTAL	2525.94	667.11	0.00	101.32	99.24	0.00	
ALL	08-07	215564.60	26926.64	0.00	7042.69	6384.09	0.00	
	TOTAL	215564.60	26926.64	0.00	7042.69	6384.09	0.00	

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NETWORK COST ANALYSIS TOOL (NCAT)
SAND 2 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:34:16
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE SAND	RP	SWITCHING		TRUNKING		
		ED	TDM	MEAS	FAC	TERM
3.0-12.8	08-07	703030.88	49972.63	0.00	52617.12	50297.00
	TOTAL	703030.88	49972.63	0.00	52617.12	50297.00
12.9-26.8	08-07	242790.46	33827.78	0.00	47435.70	37464.56
	TOTAL	242790.46	33827.78	0.00	47435.70	37464.56
26.9-9999.9	08-07	9777.45	2744.42	0.00	1769.63	1572.37
	TOTAL	9777.45	2744.42	0.00	1769.63	1572.37
ALL	08-07	955598.78	86544.72	0.00	101822.45	89333.93
	TOTAL	955598.78	86544.72	0.00	101822.45	89333.93

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VER     : 4.1
CALC TYPE: AVERAGE
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RUN DATE: 20-JAN-97
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RESIDENCE

BAND 3

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:38:25
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	2134331.907	9444998.048	4.425
	TOTAL	2134331.907	9444998.048	4.425
12.9-26.8	08-07	695853.393	3200470.070	4.599
	TOTAL	695853.393	3200470.070	4.599
26.9-9999.9	08-07	101107.389	424392.179	4.197
	TOTAL	101107.389	424392.179	4.197
ALL	08-07	2931292.689	13069860.297	4.459
	TOTAL	2931292.689	13069860.297	4.459

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 01-JAN-97
TIME 12:38:25
PAGE 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING		
			EO	TDM	MEAS	FAC	TERM	SS7
0.0-12.8	08-07	0.005860	0.004364	0.001162	0.000000	0.000184	0.000151	0.000000
	AVG	0.005860	0.004364	0.001162	0.000000	0.000184	0.000151	0.000000
12.9-26.8	08-07	0.010232	0.005846	0.003637	0.000000	0.000370	0.000379	0.000000
	AVG	0.010232	0.005846	0.003637	0.000000	0.000370	0.000379	0.000000
26.9-9999.9	08-07	0.009929	0.006672	0.002559	0.000000	0.000345	0.000352	0.000000
	AVG	0.009929	0.006672	0.002559	0.000000	0.000345	0.000352	0.000000
ALL	08-07	0.007038	0.004795	0.001798	0.000000	0.000233	0.000212	0.000000
	AVG	0.007038	0.004795	0.001798	0.000000	0.000233	0.000212	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LCCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:38:25
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	0.004931	0.003320	0.000421	0.000000	0.000676	0.000514
	AVG	0.004931	0.003320	0.000421	0.000000	0.000676	0.000514
12.9-25.8	08-07	0.008729	0.004743	0.001262	0.000000	0.001418	0.001307
	AVG	0.008729	0.004743	0.001262	0.000000	0.001418	0.001307
26.9-9999.9	08-07	0.008635	0.004735	0.001376	0.000000	0.001294	0.001231
	AVG	0.008635	0.004735	0.001376	0.000000	0.001294	0.001231
ALL	08-07	0.005981	0.003714	0.000658	0.000000	0.000878	0.000731
	AVG	0.005981	0.003714	0.000658	0.000000	0.000878	0.000731

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UNIT COST SUMMARY

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0.018961 0.008123 0.010954 0.050381
0.018961 0.008729 0.010954 0.050381

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0.018564 0.008635 0.011081 0.046175
0.018564 0.008635 0.011001 0.046175

0.013019 0.009110 0.015660 0.023366

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:38:25
PAGE : 5

INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	SWITCHING			TRUNKING			SS7
		EO	TDM	MEAS	FAC	TERM		
0.0-12.8	08-07	28981.32	7716.80	0.00	1404.98	854.71	0.00	
	TOTAL	28981.32	7716.80	0.00	1404.98	854.71	0.00	
12.9-26.8	08-07	12559.21	7874.93	0.00	922.70	700.86	0.00	
	TOTAL	12559.21	7874.93	0.00	922.70	700.86	0.00	
26.9-9999.9	08-07	2059.19	805.12	0.00	125.25	94.61	0.00	
	TOTAL	2059.19	805.12	0.00	125.25	94.61	0.00	
ALL	08-07	43729.71	16396.85	0.00	2452.93	1650.18	0.00	
	TOTAL	43729.71	16396.85	0.00	2452.93	1650.18	0.00	

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 3 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:38:25
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	97574.97	12369.36	0.00	22910.95	12885.55
	TOTAL	97574.97	12369.36	0.00	22910.95	12885.55
12.9-26.8	08-07	47241.02	12564.63	0.00	16271.65	11110.70
	TOTAL	47241.02	12564.63	0.00	16271.65	11110.70
26.9-9999.9	08-07	6252.93	1816.54	0.00	1970.23	1387.38
	TOTAL	6252.93	1816.54	0.00	1970.23	1387.38
ALL	08-07	151068.92	26750.54	0.00	41152.83	25383.63
	TOTAL	151068.92	26750.54	0.00	41152.83	25383.63

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BAND 3 RESIDENCE

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE

RUN DATE: 20-JAN-97
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AVERAGE

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TAB E

AVERAGE

BUSINESS

BAND 1

INCREMENTAL

BUSINESS

BAND 1

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:44:14
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	31950388.805	71542120.505	2.239
	TOTAL	31950388.805	71542120.505	2.239
12.9-26.8	08-07	3658322.594	7868561.249	2.151
	TOTAL	3658322.594	7868561.249	2.151
26.9-9999.9	08-07	34943.623	111597.540	3.194
	TOTAL	34943.623	111597.540	3.194
ALL	08-07	35643655.022	79522279.294	2.231
	TOTAL	35643655.022	79522279.294	2.231

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCavg
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12.44:14
PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.004111	0.003458	0.000474	0.000000	0.000048	0.000131	0.000000
	AVG	0.004111	0.003458	0.000474	0.000000	0.000048	0.000131	0.000000
12.9-25.8	08-07	0.005812	0.004250	0.001135	0.000000	0.000164	0.000263	0.000000
	AVG	0.005812	0.004250	0.001135	0.000000	0.000164	0.000263	0.000000
25.9-9999.9	08-07	0.009537	0.004857	0.003863	0.000000	0.000343	0.000474	0.000000
	AVG	0.009537	0.004857	0.003863	0.000000	0.000343	0.000474	0.000000
ALL	08-07	0.004291	0.003541	0.000545	0.000000	0.000060	0.000145	0.000000
	AVG	0.004291	0.003541	0.000545	0.000000	0.000060	0.000145	0.000000

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LCCAVG
VER : 4.0
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:44:14
PAGE : 3

TRAFFIC SENSITIVE UNIT COST - DURATION RELATED

DISTANCE BAND	RP	TOTAL	SWITCHING			TRUNKING	
			EO	TDM	MEAS	FAC	TERM
0.0-12.8	DB-07	0.003484	0.002755	0.000254	0.000000	0.000125	0.000341
	AVG	0.003484	0.002755	0.000254	0.000000	0.000125	0.000341
12.9-26.8	DB-07	0.004835	0.003139	0.000600	0.000000	0.000425	0.000671
	AVG	0.004835	0.003139	0.000600	0.000000	0.000425	0.000671
26.9-9999.9	DB-07	0.007086	0.002917	0.002096	0.000000	0.000860	0.001213
	AVG	0.007086	0.002917	0.002096	0.000000	0.000860	0.001213
ALL	DB-07	0.003623	0.002793	0.000299	0.000000	0.000155	0.000375
	AVG	0.003623	0.002793	0.000299	0.000000	0.000155	0.000375

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
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PAGE : 4

UNIT COST SUMMARY

DISTANCE BAND	RP (Hrs.)	COST/MSG (SETUP)	EXP/MSG	COST/MIN DURATION	EXP/MIN	COST / FIRST MIN	COST / ADCL MIN	COST/MIN (AVG.)	COST/CALL (AVG.)
0.0-12.8	08-07	0.004111	0.000000	0.003484	0.000000	0.007595	0.003484	0.005320	0.011912
	AVG	0.004111	0.000000	0.003484	0.000000	0.007595	0.003484	0.005320	0.011912
12.9-26.8	08-07	0.005812	0.000000	0.004835	0.000000	0.010647	0.004835	0.007537	0.016211
	AVG	0.005812	0.000000	0.004835	0.000000	0.010647	0.004835	0.007537	0.016211
26.9-9999.9	08-07	0.009537	0.000000	0.007086	0.000000	0.016623	0.007086	0.010073	0.032168
	AVG	0.009537	0.000000	0.007086	0.000000	0.016623	0.007086	0.010073	0.032168
ALL	08-07	0.004291	0.000000	0.003623	0.000000	0.007913	0.003623	0.005546	0.012373
	AVG	0.004291	0.000000	0.003623	0.000000	0.007913	0.003623	0.005546	0.012373

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BAND 1 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
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INCREMENTAL INVESTMENTS - SETUP

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----			SS7
		EO	TDM	MEAS	FAC	TERM		
0.0-12.8	08-07	343809.96	47081.75	0.00	5490.61	11157.28	0.00	
	TOTAL	343809.96	47081.75	0.00	5490.61	11157.28	0.00	
12.9-26.8	08-07	48380.73	12916.11	0.00	2156.87	2553.46	0.00	
	TOTAL	48380.73	12916.11	0.00	2156.87	2553.46	0.00	
26.9-9999.9	08-07	528.13	420.06	0.00	43.00	43.98	0.00	
	TOTAL	528.13	420.06	0.00	43.00	43.98	0.00	
ALL	08-07	392718.82	50417.93	0.00	7690.48	13754.73	0.00	
	TOTAL	392718.82	50417.93	0.00	7690.48	13754.73	0.00	

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:14
PAGE : 6

INCREMENTAL INVESTMENTS - DURATION

DISTANCE BAND	RP	-----SWITCHING-----			-----TRUNKING-----	
		EO	TDM	MEAS	FAC	TERM
0.0-12.8	08-07	613258.45	58666.65	0.00	31990.00	64787.35
	TOTAL	613258.45	58666.65	0.00	31990.00	64787.35
12.9-26.8	08-07	76853.61	14684.56	0.00	12006.11	14029.75
	TOTAL	76853.61	14684.56	0.00	12006.11	14029.75
26.9-9999.9	08-07	1013.14	728.00	0.00	344.21	359.51
	TOTAL	1013.14	728.00	0.00	344.21	359.51
ALL	08-07	691125.20	74079.21	0.00	44340.33	79176.61
	TOTAL	691125.20	74079.21	0.00	44340.33	79176.61

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 1 BUSINESS

DB : LOCAS
VER : 4.1
CALC TYPE: AVERAGE

RUN DATE: 20-JAN-97
TIME : 12:44:14
PAGE : 7

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AVDB, AANB, CDOB, CONB, CGOB, CGNB, CHDB, CHNB, CSDB, CSNB, EVDB, EVNB, FIDB, FIDB, GDOB, GDNB, GROB, GRNB, HPDB, HPNB, HWDB, HWNB, MADB, MANB, MDOB, MGNB, MONB, MNOB, MNDB, NGDB, NGNB, NSDB, NSNB, NWDB, NWNB, PHDB, PHNB, RODB, RONB, SDOB, SGNB, WDOB, WGNB, WSDB, WSNB
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INCREMENTAL

BUSINESS

BAND 2

NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

DB : LCCAVG
VER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

RUN DATE: 20-JAN-97
TIME : 12:49:05
PAGE : 1

ANNUALIZED INCREMENTAL MESSAGES AND MINUTES
BY DISTANCE BAND BY RATE PERIOD

DISTANCE BAND	RATE PERIOD	MESSAGES	TOTAL MINUTES	AVG MIN./MSG
0.0-12.8	08-07	4534397.535	9898691.392	
	TOTAL	4534397.535	9898691.392	2.183
12.9-26.8	08-07	1370993.925	2992881.012	
	TOTAL	1370993.925	2992881.012	2.183
26.9-9999.9	08-07	34632.029	114109.652	
	TOTAL	34632.029	114109.652	3.295
ALL	08-07	5940023.489	13005682.056	2.190
	TOTAL	5940023.489	13005682.056	2.190

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NETWORK COST ANALYSIS TOOL (NCAT)
BAND 2 BUSINESS

IS : LOCAVG
ER : 4.1
CALC TYPE: AVERAGE
STUDY: see attached list of studies

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PAGE : 2

TRAFFIC SENSITIVE UNIT COST - SETUP RELATED

DISTANCE BAND	RP	TOTAL	-----SWITCHING-----			-----TRUNKING-----		SS7
			EO	TDM	MEAS	FAC	TERM	
0.0-12.8	08-07	0.003515	0.002821	0.000518	0.000000	0.000070	0.000107	0.000000
	AVG	0.003515	0.002821	0.000518	0.000000	0.000070	0.000107	0.000000
12.9-26.8	08-07	0.005352	0.003726	0.001206	0.000000	0.000194	0.000226	0.000000
	AVG	0.005352	0.003726	0.001206	0.000000	0.000194	0.000226	0.000000
26.9-9999.9	08-07	0.006850	0.004324	0.002020	0.000000	0.000225	0.000281	0.000000
	AVG	0.006850	0.004324	0.002020	0.000000	0.000225	0.000281	0.000000
ALL	08-07	0.003959	0.003038	0.000685	0.000000	0.000100	0.000136	0.000000
	AVG	0.003959	0.003038	0.000685	0.000000	0.000100	0.000136	0.000000

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TDOB, TONB, WCOB, WCNB

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