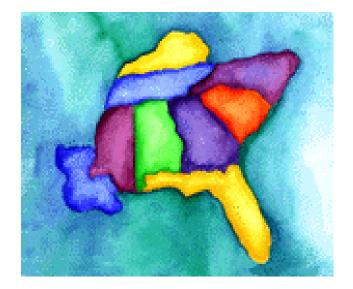# Customer Billing Education Package

BellSouth Managed Shared Network Service

Customer Implementation Guide

BellSouth Managed Shared Network Service Customer Implementation Guide

1. Service Description

BellSouth Managed Shared Network Service is a service in which the Customer assigns to BellSouth the responsibility for facility design, engineering and routing of DS3, DS1, and DS0 level Special & Switched Access services from serving wire centers within a BellSouth Managed Shared Network Service area to the Customer's designated aggregation location(s) in that same area. All traffic will be delivered to a Customer designated aggregation location via a DS3 electrical interface. BellSouth SPA & SWAManaged Shared Network Service traffic connects at serving wire centers to DS3, DS1, and DS0 access services. To qualify for BellSouth SPA & SWA Managed Shared Network Service, a Customer must have 28 equivalent DS1 circuits to aggregate at one location.

2. Establishing Service

The BellSouth SPA & SWA Managed Shared Network Service Plan Billing Information and the BellSouth SPA & SWA Managed Shared Network Service System Circuit, which bills the BellSouth SPA & SWA Managed Shared Network Service DS3 Local Channel Charges, will be established via service order by the BellSouth ICSC when a BellSouth SPA & SWA Managed Shared Network Shared Contract is signed. No action is required by the customer other than signing the contract. BellSouth will use one of the ACTLs identified on the contract the Aggregation Location to identify the Plan itself (the MCPA). Other ACTL CLLIs, at both the Aggregate and any Alternate Aggregate (or Interim, if pre-2002) locations, will be identified under the PLAN for inclusion, but all ACTLs may not appear on the MSNS Plan & System Circuits.

Contracts signed before May, 2002, may be for BellSouth SPA Managed Shared Network Service only. Contracts signed after that date will be established to cover all qualifying SPA and SWA DS3, DS1 and DS0 circuits at the Aggregate Locations (and any Alternate Aggregate Locations) covered under the contract.

Existing DS3, DS1, and DS0 circuits will be converted mechanically to BellSouth SPA & SWA Managed Shared Network Service billing. For contracts established prior to February 24, 1998, the Customer will be required to move any DS1 circuits without a CFA to a purchased DS3.   The DS1 circuits can be moved to existing DS3 circuits where capacity is available. If capacity is not available, the customer is required to purchase DS3 circuits for these CFAs. For contracts established on or after February 24, 1998, all DS1 circuits must have an existing DS3 interface.

3. Ordering New Service

When ordering a new BellSouth SPA or SWA Managed Shared Network Service circuit (DS3, DS1, or DS0), one of the BellSouth SPA or SWA Managed Shared Network Service ACTLs must be populated in the ASR ACTL field and the BellSouth SPA (or SPA&SWA) Managed Shared Network Service Plan Number must be populated in the ASR REMARKS field. The BellSouth SPA & SWA Managed Shared Network Service Plan Number is the Common Language Location Identification (CLLI) code for the Plan Aggregation Location and will be provided to the Customer by BellSouth. (See paragraph above regarding the CLLI used to identify the PLAN.)

I don't know enough to critique the paragraphs on order SPA service. Requirements for MCPA (PLAN) data should be similar on orders for SWA service.

When ordering a channelized or multiplexed BellSouth SPA Managed Shared Network Service DS3 circuit from the POP to the Serving Wire Center, a SPEC code should not be provided. All other ASR fields should be populated using current procedures. See *Attachment A* for ASR example for this situation.

When ordering a non-channelized or point-to-point BellSouth SPA Managed Shared Network Service DS3 circuit from the POP to the Customer Premises, the following SPEC code must be provided: L11NP.   BellSouth SPA Point to Point Network Service (also known as LightGate) rates will be used to bill the circuit from the BellSouth SPA Managed Shared Network Service End User serving wire center to the End User Customer premise.   If the BellSouth SPA Point to Point Network Service charges are under a Transport Payment Plan, the contract information must be provided in the REMARKS field following 'VTA2'. See *Attachment B* for ASR example for this situation.

When ordering a BellSouth SPA Managed Shared Network Service DS1 or DS0 circuit, the same information and data that is currently provided to order a Special Access DS1 or DS0 circuit should be provided. The only exception is the presence of the BellSouth SPA Managed Shared Network Service ACTL and BellSouth SPA Managed Shared Network Service Plan Number. See *Attachment C* for ASR example.

When an End User Customer is ordering a circuit that is a Shared Network Arrangement (SNA) associated with BellSouth SPA Managed Shared Network Service, the ACTL must be populated with the BellSouth SPA Managed Shared Network Service ACTL and the FBA field should be populated with 'A'.   The ACTL will be used to identify the BellSouth SPA Managed Shared Network Service Customer, Plan Number, and Billing Account Number for population on the order. See *Attachment D* for ASR example.

See Section 5 for BellSouth SPA Managed Shared Network Service Plan Numbers.

4. Customer Service Records

A list and description of the rate elements (USOCs) for BellSouth SPA & SWA
Managed Shared Network Service is provided in Section 6 of this document.

BellSouth SPA & SWA Managed Shared Network Service Plan Information:

The plan information contains the following:

- FID SPP followed by 'MSNS' indicates BellSouth SPA or SPA/SWA Managed Shared
  Network Service.
- FID ACM is the plan commitment level (i.e. number of equivalent DS1 circuits).
- FID TA is the plan commitment length (12 or 60 months) and the beginning term
  agreement date.
- FID RD is the plan rate date.
- FID PIU indicates the jurisdiction (currently PIU 100 is only valid value).
- FID MCPA is the plan number and aggregate location CLLI.

```
970225      SPP   MSNS/ACM 91/TA 60, 03-10-97/RD 02-          970804
                  25-97/PIU 100/MCPA IXCPOPCLLIX

                                   INTERSTATE SUBTOTAL   0.00
                                   INTRASTATE SUBTOTAL   0.00
                                      CIRCUIT SUBTOTAL   0.00
```

BellSouth SPA Managed Shared Network Service System Circuit (Initial Establishment):

This circuit bills the BellSouth SPA Managed Shared Network Service DS3 Local Channel
Charges (USOC HFN3C). The rate for this charge is based on the number of BellSouth SPA
Managed Shared Network Service DS3 circuits for a given plan. When the circuit is initially
established, the USOC quantity will be zero.

```
970311      CLF   MSNS CLLIX POPCLLI POPSWCCLLI               970311
                  /NC HF-M/PIU 100/MCPA IXCPOPCLLIX
970311    1 NSMAA /SED 03-11-97                                970311
970311      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO NPA        970311
                   NXX/NCI 04DS6.44/ACTL 1
970311    0 HFN3C /SED 03-11-97                                970311
                  /SPP MSNS/TA 60, 03-10-97/RD 02-25-
                  97/MCPA IXCPOPCLLIX
970311      CKLT  2-ICPOPSWCCLI                                970311

                                   INTERSTATE SUBTOTAL   0.00
                                   INTRASTATE SUBTOTAL   0.00
                                      CIRCUIT SUBTOTAL   0.00
```

If established or updated after SWA MSNS was tariffed, the MSNS Plan Circuit will look the same, but the MSNS System Circuit will now carry the SWA DS3 Local Channel USOC (OHS3L) and the Alternate Aggregate Location establishment USOC (OHSLE). One OHSLE should be present for each Alternate Aggregate location established, identified using one of the ACTL CLLIs associated with that address in the RMKR entry (with cross reference back to the PLAN shown after the MCPA FID). Example:

```
020611    CLF   MSNS CLLIX IXCPOPCLLIX POPSWCCLLI              020611
                 /NC HF-M/PIU 100/MCPA IXCPOPCLLIX
020611   1 NSMAA /SED 06-11-02                                 020611
020611     CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO NPA          020611
                  NXX/NCI 04DS6.44/ACTL 1
020611   0 HFN3C /SED 06-11-02                                 020611
                 /SPP MSNS/TA 60, 06-11-02/RD 06-08-
                 02/MCPA IXCPOPCLLIX
020611   0 OHS3L /SED 06-11-02                                 020611
                 /SPP MSNS/TA 60, 06-11-02/RD 06-08-
                 02/MCPA IXCPOPCLLIX
020611   1 OHSLE /SED 06-11-02                                 020611
                 /RMKR (A) ixcaltcllix
                 /MCPA IXCPOPCLLIX

020611     CKLT  2-ICPOPSWCCLI                                 020611

                                 INTERSTATE SUBTOTAL   0.00
                                 INTRASTATE SUBTOTAL   0.00
                                    CIRCUIT SUBTOTAL   0.00
```

BellSouth SPA/SWA Managed Shared Network Service System Circuit (After Conversion):

The BellSouth SPA/SWA Managed Shared Network Service Conversion will add a UDP USOC for each BellSouth SPA/SWA Managed Shared Network Service DS3 circuit and increase the quantity of the appropriate DS3 Local Channel USOC (HFN3C for SPA, OHS3L for SWA) to equal the number of DS3 circuits. The rate will be based on the final quantity. As BellSouth SPA/SWA Managed Shared Network Service DS3 circuits are added or disconnected, the USOC quantity and rate will be changed.

```
970716      CLF   MSNS CLLIX POPCLLI POPSWCCLLI              980501
                  /NC HF-M/RAF1 11424, 2410-T1521/PIU
                   100/MCPA IXCPOPCLLIX/TAX B
970716    1 NSMAA /SED 07-16-97                              970804
950816    1 UDP   /SED 08-16-95                              970919
                  /SCID CLF 4001 T3Z SWCCLLI1
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 672-T284
950814    1 UDP   /SED 08-14-95                              980313
                  /SCID CLF 4001 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 26-T24
950814    1 UDP   /SED 08-14-95                              970919
                  /SCID CLF 4002 T3Z SWCCLLI1
                   IXCPOPCLLIX/ACNA XXX/RAF1 672, 624-
                   T432/PIU 100/HBAN NPA NXX-XXXX-XXX
950814    1 UDP   /SED 08-14-95                              970919
                  /SCID CLF 4002 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 168-T120
950814    1 UDP   /SED 08-14-95                              980605
                  /SCID CLF 4003 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 0
950925    1 UDP   /SED 09-25-95                              970919
                  /SCID CLF 4004 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX /RAF1 672, 168-T168
951025    1 UDP   /SED 10-25-95                              971013
                  /SCID CLF 4006 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 0
951122    1 UDP   /SED 11-22-95                              971115
                  /SCID CLF 4007 T3Z SWCCLLI2XXX
                   IXCPOPCLLIX/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 0
951213    1 UDP   /SED 12-13-95                              970919
                  /SCID CLF 4008 T3Z SWCCLLI2XXX
                   IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 192-T192
960112    1 UDP   /SED 01-12-96                              970919
                  /SCID CLF 4009 T3Z SWCCLLI2XXX
                   IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 120-T24
960612    1 UDP   /SED 06-12-96                              970919
                  /SCID CLF 4011 T3Z SWCCLLI2XXX
                   IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 0
980409    1 UDP   /SED 04-09-98                              980409
                  /SCID CLF 4017 T3Z SWCCLLI2XXX
                   IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                   NPA NXX-XXXX-XXX/RAF1 672, 272-T253
980414    1 UDP   /SED 04-14-98                              980414
```

```
                        /SCID CLF 4018 T3Z SWCCLLI2XXX
                         IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                         NPA NXX-XXXX-XXX/RAF1 672, 96
980414    1 UDP    /SED 04-14-98                                    980414
                        /SCID CLF 4019 T3Z SWCCLLI2XXX
                         IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                         NPA NXX-XXXX-XXX/RAF1 672, 72-T24
980414    1 UDP    /SED 04-14-98                                    980414
                        /SCID CLF 4020 T3Z SWCCLLI2XXX
                         IXCPOPCLLI1/ACNA XXX/RAF1 672, 0
                        /PIU 100
980610    1 UDP    /SED 06-10-98                                    980610
                        /SCID CLF 4022 T3Z SWCCLLI2XXX
                         IXCPOPCLLI1/ACNA XXX/PIU 100/HBAN
                         NPA NXX-XXXX-XXX/RAF1 672, 0
980610    1 UDP    /SED 06-10-98                                    980610
                        /SCID CLF 4023 T3Z SWCCLLI2XXX
                         IXCPOPCLLI1/ACNA XXX/RAF1 672, 0
                        /PIU 100
970804      CKL    1-ICPOP ADDRESS, ANYTOWN, US/LSO                 970804
                         NPA NXX/ACTL 1/NCI 04DS6.
                         44/TAR XXX,XXX
970804   17 HFN3C  /RZN 1/SED 08-04-97                              980418
                        /SPP MSNS/TA 60, 05-19-97/RD 05-13-
                         97/MCPA IXCPOPCLLIX
                        INTER XX - EC XXXX
                   {   RF 79.33% X            9503.00   } 7538.73
020804    0 OHS3L /SED 08-04-02                                     020804
                        /SPP MSNS/TA 60, 05-19-97/RD 05-13-
                         97/MCPA IXCPOPCLLIX
                        INTER XX - EC XXXX
                   {   RF 20.67% X            9503.00   } 1964.27

970804      CKLT   2-ICPOPSWCCLLI1                                  970804


                               INTERSTATE SUBTOTAL   9503.00
                               INTRASTATE SUBTOTAL      0.00
                                  CIRCUIT SUBTOTAL   9503.00
```

BellSouth SPA Managed Shared Network Service Channelized DS3:

BellSouth SPA Managed Shared Network Service Channelized DS3 circuits are ordered from the Customer's POP to the POP Serving Wire Center. These circuits will not have any billing. The BellSouth SPA Managed Shared Network Service *DS3 Local Channel is billed on the System Circuit.*

```
950816      CLF   4001 T3Z IXCPOPCLLI POPSWCCLIX/NC HF-        970225
                   M/CKR ABCD23454/PIU 100/MCPA
                   IXCPOPCLLIX
950816    1 HFND3 /SED 08-16-95                                970923
950816      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO            950816
                   NPA NXX/ACTL 1/NCI 04DS6.44/TAR XXX,
                   XXX
950816    1 HTN   /SED 08-16-95                                950816
950816      CKLT  2-POPSCWCLLIX/TAR XXX,XXX                    950816

                            INTERSTATE SUBTOTAL   0.00
                            INTRASTATE SUBTOTAL   0.00
                               CIRCUIT SUBTOTAL   0.00
```

BellSouth SPA Managed Shared Network Service DS3 to Customer Premise served by
BellSouth SPA Point to Point Network Service (LightGate) 2,3, or 4:

This service will require two circuit ids. The portion from the POP to the POP Serving Wire
Center will be billed as BellSouth SPA Managed Shared Network Service. This circuit will
bill BellSouth SPA Managed Shared Network Service DS3 Interface and Interoffice Mileage
if applicable. This circuit will be cross-connected to a second circuit that will bill the
BellSouth SPA Point to Point Network Service charges from the End User Customer Serving
Wire Center to the End User Customer Premises. The second circuit ID will be provided
following the FID WACD.

```
980527        CLS   XX.HFGS.123456..SC/NC HFX-/CKR                  980527
                    02894387/PIU 100/MCPA IXCPOPCLLIX
980527      1 HFND3 /SED 05-27-98                                   980527
980527        CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO                980527
                    NPA NXX/NCI 04DS6.44G/ACTL 2/TAR
                    XXX,XXX
980527      1 CTG   /SED 05-27-98                                   980527
980527      1 HFN13 /RZN 1/SED 05-27-98                             980527
                    /SPP MSNS/TA 60, 12-04-97/RD 12-04-97
                    INTER XX - EC XXXX /MCPA IXCPOPCLLIX
                 {               1 X        80.00  }  80.00
980527        CKL   2-CENTRAL OFFICE, ANYTOWN, US/LSO               980527
                     NPA NXX/NCI 04DS6.44G/TAR XXX,XXX
980527      1 CTG   /SED 05-27-98                                   980527
                    /WACD XC NPA NXX XX.HFGS.789912..SC
                                    INTERSTATE SUBTOTAL  80.00
                                    INTRASTATE SUBTOTAL   0.00
                                          ASG SUBTOTAL   80.00


            ASG   3000
980527        CLS   XX.HFGS.789912..SC/NC HF--/CKR                  980527
                    02894387/PIU 100
                    /CNI AAAAAANNNNMMDDYY
980527      1 HFQC6 /SED 05-27-98                                   980527
980527        CKL   1-CUSTOMER ADDRESS, ANYTOWN, US/LSO             980527
                    NPA NXX/NCI 04DS6.44+/ACTL 2/TAR
                    XXX,XXX/XPOI IXCPOPCLLIX
980527      1 HTN   /SED 05-27-98                                   980527
980527      1 1PQEP /SED 05-27-98                                   980527
                    INTER XX - EC XXXX
                 {               1 X       115.00  } 115.00
980527        CKL   2-CENTRAL OFFICE, ANYTOWN, US/LSO               980527
                     NPA NXX/NCI 04DS6.44G/TAR XXX,XXX
980527      1 CTG   /SED 05-27-98                                   980527
                    /WACD XC NPA NXX XX.HFGS.123456..SC
980527      1 1PQEC /SET 05-27-98
                    INTER XX - EC XXXX
                 {               1 X       115.00  } 115.00
                                    INTERSTATE SUBTOTAL 230.00
                                    INTRASTATE SUBTOTAL   0.00
                                          ASG SUBTOTAL  230.00
```

BellSouth SPA Managed Shared Network Service DS3 to Customer Premise served by
BellSouth SPA Point to Point Network Service (LightGate) 1:

This service will require one circuit id which will bill all applicable BellSouth SPA Managed
Shared Network Service and BellSouth SPA Point to Point Network Service charges.

```
970116      CLS   XX.HFGS.XXXXXX..SC/NC HF--/CKR            980701
                  06487478/PIU 100
                  /MCPA IXCPOPCLLIX
970116    1 HFND3 /SED 01-16-97                              980527
980527      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO          980527
                  NPA NXX/NCI 04DS6.44C/ACTL 1/TAR
                  XXX,XXX
970116    1 CTG   /SED 01-16-97                              980527
970116    1 HFN13 /RZN 1/SED 01-16-97                        980527
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                {                   1 X       80.00  }   80.00
970116   13 1L5NS /SED 01-16-97                              980527
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                { 1700.00      +(  144.00X   13)    }} 3572.00
980527      CKL   2-1 CUSTOMER ADDRESS,                      980527
                  ANYTOWN, US/LSO NPA NXX
                  /NCI 04DS6.44A/TAR XXX,XXX
970116    1 CTG   /SED 01-16-97                              980527
970116    1 HFSC6 /RZN 3/SED 01-16-97                        980701
                  INTER XX - EC XXXX
                {                   1 X     2000.00  } 2000.00
970116    1 1LPEA /RZN 3/SED 01-16-97                        980701
                  INTER XX - EC XXXX
                {    0.00      +(  250.00X    1)    }}  250.00
970116    1 1PQEC /SED 01-16-97                              980527
                  INTER XX - EC XXXX
                {                   1 X      115.00  }  115.00
970116    1 1PQEP /SED 01-16-97                              980527
                  INTER XX - EC XXXX
                {                   1 X      115.00  }  115.00
970116  672 S25EX /SED 01-16-97/EXR 4                        980527

                        INTERSTATE SUBTOTAL         6132.00
                        INTRASTATE SUBTOTAL            0.00
                           ASG SUBTOTAL             6132.00
```

Carrier Ordered Non-channelized BellSouth SPA Managed Shared Network Service DS1
circuit to End User Customer:

This circuit is non-channelized from the aggregation location (POP) to the End User
Customer Premises.

```
980701      CLS   XX.HCGS.XXXXXX..SC/NC HC--/CKR              980701
                  01743046/SSP/PIU 100/MCPA
                  IXCPOPCLLIX
980701    1 XDH1X /SED 07-01-98                                980701
980701      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO            980701
                  NPA NXX/NCI 04DS6.44.SS/CFA 101 T3Z
                  25 IXCPOPCLLIX POPSWCLLIX0/ACTL 2/TAR
                  XXX,XXX
980701    1 HTN   /SED 07-01-98                                930702
980701      CKLT  2-POPSWCCLIX                                 980701
980701    1 HFN11 /RZN 1/SED 07-01-98                          980701
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                  {                1 X      35.00  }     35.00
980701      CKL   3-CUSTOMER ADDRESS, ANYTOWN, US             980701
                  /LSO NPA NXX/NCI
                  04DU8.B.SS/TAR XXX,XXX
980701    1 TMECS /RZN 1/SED 07-01-98                          971201
                  INTER XX - EC XXXX
                  {                1 X     150.00  }    150.00
980701    4 1L5NS /RZN 1/SED 07-01-98                          980701
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                  { 120.00      +(    0.00X    4)  }}    120.00
980701   24 S25EX /SED 07-01-98                                930702

                              INTERSTATE SUBTOTAL  305.00
                              INTRASTATE SUBTOTAL    0.00
                                   ASG SUBTOTAL  305.00
```

Carrier Ordered Channelized BellSouth SPA Managed Shared Network Service DS1:

These circuits are channelized DS1 circuits from the aggregation location (POP) to the POP Serving Wire Center. These circuits will not have any billable rate elements. Charges will be billed at the lower level circuits.

```
980517      CLF   101 T1 IXCPOPCLLIX POPSWCCLLIX            980501
                  /NC HC-M
                  /SSP/SSM/CKR 184793/RAF1 24, 0/PIU
                  100/MCPA IXCPOPCLLIX
980519    1 XDH1X /SED 05-19-98                             980519
980519      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO          980519
                   NPA NXX/NCI 04DS6.44/CFA 103 T3Z 25
                   IXCPOPCLLIX POPSWCLLIX/HBAN NPA NXX-
                   XXXX-XXX/ACTL 1/TAR XXX,XXX
981519    1 HTN   /SED 05-19-98                             980519
980519      CKLT  2-POPSWCCLLIX/TAR XXX, XXX                980519
980519    1 CCOEF /RZN 1/SED 05-19-09                       980610
```

Channelized DS1 Ordered by End User Customer to IXC BellSouth SPA Managed Shared Network Service POP (Customer CSR):

These circuits are ordered by the End User Customer. The BellSouth SPA Managed Shared Network Service charges will be billed to the customer that has purchased a BellSouth SPA Managed Shared Network Service plan. All charges not related to BellSouth SPA Managed Shared Network Service will be billed to the End User Customer.   The following CSR represents the CSR for the End User Customer.

```
980517      CLF   101 T1 IXCPOPCLLIX POPSWCCLIIX /NC HC-M      980517
                  /SSP/SSM/CKR 184793/RAF1 24, 0/PIU
                  100/MCPA IXCPOPCLLIX/ZSB P
980517    1 XDH1X /SED 05-17-980                                980517
980517      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO             980517
                   NPA NXX/NCI 04DS6.44/CFA 103 T3Z 25
                   IXCPOPCLLIX POPSWCCLIIX /HBAN NPA NXX-
                   XXXX-XXX/ACTL 1/TAR XXX,XXX
980517    1 HTN   /SED 05-17-98                                980517
980517    0 1L5NS /RZN 1/SED 05-17-98                          980517
                  /MCPA IXCPOPCLLIX

980517      CKLT  2-FTLDFLMA/TAR XXX,XXX                       980517
980517    1 HFN11 /RZN 1/SED 05-17-98                          980517
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/SB NPA NXX-0312/MCPA IXCPOPCLLIX
980517    1 MQ1   /RZN 1/SED 05-17-98                          980517
                  INTER XX - EC XXXX
                {                       1 X     185.00  }    185.00

                                    INTERSTATE SUBTOTAL  185.00
                                    INTRASTATE SUBTOTAL    0.00
                                         ASG SUBTOTAL  185.00
```

Channelized DS1 Ordered by End User Customer to IXC BellSouth SPA Managed Shared
Network Service POP (Carrier CSR):

The following CSR represents the CSR for the Customer that has the BellSouth SPA
Managed Shared Network Service plan. This circuit is generated mechanically in CABS
from the End User Customer order. The BellSouth SPA Managed Shared Network Service
customer does not issue an order.

```
980517      CLF   101 T1 IXCPOPCLLIX POPSWCCLIIX /NC HC-M       980517
                  /SSP/SSM/CKR 184793/RAF1 24, 0/PIU
                  100/MCPA IXCPOPCLLIX/ZSB S
980517    1 XDH1X /SED 05-17-980                                 980517
980517      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO              980517
                   NPA NXX/NCI 04DS6.44/CFA 103 T3Z 25
                   IXCPOPCLLIX POPSWCCLIIX /HBAN NPA NXX-
                   XXXX-XXX/ACTL 1/TAR XXX,XXX
980517    1 HTN   /SED 05-17-98                                 980517
980517    0 1L5NS /RZN 1/SED 05-17-98                           980517
                  /MCPA IXCPOPCLLIX
980517      CKLT  2-FTLDFLMA/TAR XXX,XXX                        980517
980517    1 HFN11 /RZN 1/SED 05-17-98                           980517
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                 {                1 X       35.00  }      35.00
980517    1 MQ1   /RZN 1/SED 05-17-98                           980517
                  /SB NPA NXX-0900
                                 INTERSTATE SUBTOTAL    35.00
                                 INTRASTATE SUBTOTAL     0.00
                                      ASG SUBTOTAL      35.00
```

Carrier Ordered BellSouth SPA Managed Shared Network Service DDAS Circuit to End User Customer Premise:

These circuits are ordered by the BellSouth SPA Managed Shared Network Service Customer from the aggregation location (POP) to the End User Customer Premises. The End User Customer can also order BellSouth SPA Managed Shared Network Service DDAS circuit. The billing would be split with the End User Customer being billed all charges not related to BellSouth SPA Managed Shared Network Service. The BellSouth SPA Managed Shared Network Service customer would be billed BellSouth SPA Managed Shared Network Service charges. See previous DS1 example.

```
990507       CLS   XX.XHGS.XXXXXX..SC/NC XH--/CKR              980501
                   05503978/SSP/PIU 100/MCPA
                   IXCPOPCLLIX
980507     1 XDD4X /SED 05-07-98                                951201
980507       CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO            980507
                   NPA NXX/CFA 5000 T1 23 IXCPOPCLLIX
                   POPSWCCLIIX/NCI 04DS6.44.SS/ACTL 2
                   /TAR XXX,XXX
980507     1 HTN   /SED 05-07-98                                951201
980507       CKLT  2-POPSWCCLLIX/TAR 439,758                   980507
980507     1 HFN1S /SED 05-07-98                                980608
                   /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                   97/MCPA IXCPOPCLLIX
                   INTER XX - EC XXXX
             {                 1 X      26.00  }    26.00
980507       CKL   3-CUSTOMER ADDRESS, ANYTOWN, US            980507
                   /LSO NPA NXX/NCI 04DU5.56/TAR XXX,
                    XXX
980507     1 T6ECS /SED 05-07-98                                971029
                   INTER XX - EC XXXX
             {                 1 X     102.00  }   102.00
980507    74 1L5NS /SED 05-07-98                                980608
                   /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                   97/MCPA IXCPOPCLLIX
                   INTER XX - EC XXXX
             {    20.00      +(   1.50X   74)   }}  131.00
980507     1 RJ48S /SED 05-07-98                                951201
980507     1 S25EX /SED 05-07-98/EXR 4                         951201

                              INTERSTATE SUBTOTAL  259.00
                              INTRASTATE SUBTOTAL    0.00
                                    ASG SUBTOTAL  259.00
```

Carrier Ordered BellSouth SPA Managed Shared Network Service Voice Grade to End User Customer Premise:

These circuits are ordered by the BellSouth SPA Managed Shared Network Service Customer from the aggregation location (POP) to the End User Customer Premises. The End User Customer can also order BellSouth SPA Managed Shared Network Service Voice Grade circuit. The billing would be split with the End User Customer being billed all charges not related to BellSouth SPA Managed Shared Network Service. The BellSouth SPA Managed Shared Network Service customer would be billed BellSouth SPA Managed Shared Network Service charges. See previous DS1 example.

```
980513      CLS   XX.LHGS.XXXXXX..SC/NC LH-A/CKR              980513
                  02784566/SSP/PIU 100/MCPA
                  IXCPOPCLLIX/TAX B,C,D
980513    1 XDV7X /SED 05-13-98                               980513
980513      CKL   1-ICPOP ADDRESS, ANYTOWN, US/LSO           980513
                   NPA NXX/NCI 04DS6.44.SS/CFA 105 T1
                   13 IXCPOPCLLIX POPSWCCLIIX/ACTL 2/TAR
                   XXX,XXX
980513    1 HTN   /SED 05-13-98                               980513
980513      CKLT  2-POPSWCLLIX/TAR XXX,XXX                    980513
980513    1 HFN1V /SED 05-13-98                               980513
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                  {                 1 X       19.00  }     19.00
980513      CKL   3-CUSTOMER ADDRESS, ANYTOWN, US            980513
                  /LSO NPA NXX/NCI 02LS2..GS/TAR XXX,
                   XXX
980513    1 T6E4X /SED 05-13-98                               980513
                  INTER XX - EC XXXX
                  {                 1 X       55.75  }     55.75
980513    7 1L5NS /SED 05-13-98                               980513
                  /SPP MSNS/TA 60, 12-04-97/RD 12-04-
                  97/MCPA IXCPOPCLLIX
                  INTER XX - EC XXXX
                  {   23.00      +(    0.00X    7)   }}     23.00
980513    1 RLS   /SED 05-13-98                               980513
                  INTER XX - EC XXXX
                  {                 1 X        2.35  }     12.35
980513    1 XSSLS /SED 05-13-98                               980513
                  INTER XX - EC XXXX
                  {                 1 X        6.00  }      6.00
980513    1 S25EX /SED 05-13-98                               980513

                              INTERSTATE SUBTOTAL  116.10
                              INTRASTATE SUBTOTAL    0.00
                                    ASG SUBTOTAL  116.10
```

SWA DS3 — Channelized (CLF format)

```
ASG 4XXX
CLF 101 T3 ACTLCLLICOD ACTLSWCCLLI
    /NC HF-M/PIU 100/LTP XX
    /CKR XYZ12345/MCPA PLANCLLICOD
1   OHSD3                 (Basic Class of Service)
```

```
CKL 1-ACTL ADDRESS,ANYTOWN,US
      /LSO NPA NXX/SN CUSTOMER NAME
      /LCON B DOLE,NPA NXX-XXXX
      /TAR XXX,XXX/NCI XXXXX.XX/ACTL#
      /XPOI ACTLCLLICOD
1    HTN
CKLT 2-ACTLSWCCLLI
```

SWA DS1 — Switched terminated DS1 (NC = HC-D)

```
ASG 7XXX
CLF 302 T1 ACTLCLLICOD ZSWITCHCLLI
      /NC HC-D/PIU 100/LTP XX
      /CKR XYZ12345/MCPA PLANCLLICOD
1   OHSD1     (Basic Class of Service-MSNS SWA DS1)
CKL 1-ACTL ADDRESS,ANYTOWN,US
      /LSO NPA NXX/SN CUSTOMER NAME
      /LCON B DOLE,NPA NXX-XXXX
      /TAR XXX,XXX/NCI XXXXX.X/ACTL#
      /CFA 1001 T3 5 ACTLCLLICOD ACTLSWCCLLI
1    HTN
CKLT 2-ACTLSWCCLLI
1    OHS1S/MCPA PLANCLLICOD   (MSNS SWA DS1 INTERFACE)
CKLT 3-ZSWITCHCLLI
#    1L5MS/MCPA PLANCLLICOD   (MSNS SWA Ded.Transport Mileage)
1    TD+1P  (if appropriate)
```

SWA DS1 — MUX terminated DS1 (NC = HC-M)

```
ASG 7XXX
CLF 302 T1 ACTLCLLICOD ACTLSWCCLLI
      /NC HC-M/PIU 100/LTP XX
      /CKR XYZ12345/MCPA PLANCLLICOD
1   OHSD1     (Basic Class of Service-MSNS SWA DS1)
CKL 1-ACTL ADDRESS,ANYTOWN,US
      /LSO NPA NXX/SN CUSTOMER NAME
      /LCON B DOLE,NPA NXX-XXXX
      /TAR XXX,XXX/NCI XXXXX.X/ACTL#
      /CFA 1001 T3 3 ACTLCLLICOD ACTLSWCCLLI
1    HTN
CKLT 2-ACTLSWCCLLI
CKLT 3-ACTLSWCCLLI
```

SWA DS0 — Line Side

```
ASG 9XXX
CLTB A4.SBGS.NPA.NXX.LINE
      /NC SDGA/PIU 100/LTP XX
      /MCPA PLANCLLICOD
```

```
1    OHSLO     (Basic Class of Service-MSNS SWA DS0-Line Side)
CKL 1-ACTL ADDRESS,ANYTOWN,US
        /LSO NPA NXX/SN CUSTOMER NAME
        /LCON B DOLE,NPA NXX-XXXX
        /TAR XXX,XXX/NCI XXXXX.X/ACTL#
        /CFA 102 T1 5 ACTLCLLICOD ACTLSWCCLLI
1    HTN
CKLT 2-ACTLSWCCLLI
1    OHS0L/MCPA PLANCLLICOD    (MSNS SWA DS0/LS Interface)
CKLT 3-ENDOFFICECLLI
#    1L5MS/MCPA PLANCLLICOD    (MSNS SWA Ded.Transport Mileage)
```

SWA DS0 —Trunk Side

```
ASG 9XXX
CLM DF4-EO ENDOFFICECLLI MM ACTLCLLICOD
        /NC SD-D/PIU 100/LTP XX/TSC AF123456
        /MCPA PLANCLLICOD
1    OHSTO     (Basic Class of Service-MSNS SWA DS0-Trunk Side)
CKL 1-ACTL ADDRESS,ANYTOWN,US
        /LSO NPA NXX/SN CUSTOMER NAME
        /LCON B DOLE,NPA NXX-XXXX
        /TAR XXX,XXX/NCI XXXXX.X/ACTL#
        /CFA 101 T1 3 ACTLCLLICOD ACTLSWCCLLI
1    HTN
CKLT 2-ACTLSWCCLLI
1    OHSOT/MCPA PLANCLLICOD (MSNS SWA DS0/TS Interface)
CKLT 3-ENDOFFICECLLI
#    1L5MS/MCPA PLANCLLICOD (MSNS SWA Ded.Transport Mileage)
```

5. BellSouth SPA Managed Shared Network Service Plan Number(s)

The Account Team should insert the BellSouth SPA Managed Shared Network Service Plan Numbers and ACTLs for each Metro.

6. BellSouth SPA Managed Shared Network USOCs and Definitions

USOC   DESCRIPTION

NSMAA   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              BASIC CLASS OF SERVICE FOR MSNS SYSTEM CIRCUIT

HFND3   BELLSOUTH SPA MSNS DS3 - BASIC CLASS OF SERVICE

OHSD3   BELLSOUTH SWA MSNS DS3 – BASIC CLASS OF SERVICE

OHSD1   BELLSOUTH SWA MSNS DS1 – BASIC CLASS OF SERVICE

OHSTO   BELLSOUTH SWA MSNS DS0 – Trunk Side- BASIC CLASS OF SERVICE

OHSLO   BELLSOUTH SWA MSNS DS0 – Line Side- BASIC CLASS OF SERVICE

HFN3C   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE ,
              DS3 FLAT RATE, PER LOCAL CHANNEL (billed on the system circuit)

HFN1S   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              DS0 INTERFACE, PER INTERFACE (DDAS)

HFN1V   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              DS0 INTERFACE, PER INTERFACE (VOICE)

HFN11   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              DS1 INTERFACE, PER INTERFACE (DS1)

HFN13   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              DS3 INTERFACE, PER INTERFACE (DS3)

OHS1S   BELLSOUTH SWA, MSNS, DS1 INTERFACE

OHS1M   BELLSOUTH SWA, MSNS, DS1 MESSAGE TRUNK INTERFACE

OHSOT   BELLSOUTH SWA, MSNS, DS0 INTERFACE, PER TRUNK SIDE CONN.

OHSOL   BELLSOUTH SWA, MSNS DS0 INTERFACE, PER LINE SIDE CONN.

OHSLE   BELLSOUTH SPA/SWA MANAGED SHARED NETWORK SERVICES,
              ALTERNATE AGGREGATE LOCATION ESTABLISHED

NSMSC   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
              SHORTFALL CHARGE, PER UNIT

USOC   DESCRIPTION

NSMTC   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE
             TERMINATION LIABILITY CHARGE, PER UNIT

NSMFC   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
             FAILURE TO CONVERT CHARGE, PER DS3

1L5NS   BELLSOUTH SPA, MANAGED SHARED NETWORK SERVICE,
             SPECIAL TRANSPORT MILEAGE BETWEEN IC SERVING
             WIRE CENTER TO HUB, IC SERVING WIRE CENTER TO
             SERVING WIRE CENTER, INTEROFFICE CHANNEL, MSNS WITH
             MILEAGE BANDS.

1L5MS   INTEROFFICE CHANNEL (MILEAGE), SWA MSNS

ASR Example For BellSouth SPA Managed Shared Network Service DS3 Circuit (POP to Serving Wire Center)

```
*************************** ADMINISTRATIVE SECTION ***************************
CCNA XYZ PON MS12345001_____ VER __ SPA _ ICSC SB03 BY _ RTR __ CC ____
D/TSENT 07-30-98_____ QA _ DDD 09-30-98FDT _____ PRJCT _____
PPTD _____ PFPTD _____ NOR __ _ LUP ___ BSA _ REQTYP S+_ ACT _ SUP _ AFO ____
TQ __ EXP _ AENG _ ALB _ AGAUT _ DATED _____ CUST _____
FBA _____ CKR _____
UNIT C PIU100 LTP ____ PLU ___ CNO _____
ECCKT _____ QTY 0000001
FNI _____ CFNI _____ QTY _____
BAN N_____ ASG _____ BIC _ TEL ___ ___ ____ BIC-ID _____
TSC _____ ACTL MSNSCLLILOC LA _ AI _ APOT _____
RORD _____
RPON _____ CCVN _____ ASC-EC ____ TSP _____ __
SAN _____ AFG _ SPEC _____
REMARKS
MCPA POPCLLIAL01_____ _____
_____
```

1. SPEC code will not be populated.
2. FNI will not be populated with CNI data.
3. ACTL will be populated with the ACTL of the BellSouth SPA Managed Shared Network Service Aggregate/Interim Location CLLI. Note: This CLLI may or may not be the same as the MCPA CLLI.
4. REMARKS will contain 'MCPA' followed by the BellSouth SPA Managed Shared Network Service Plan Number. The BellSouth SPA Managed Shared Network Service Plan Number will be provided by the Account Team to the Customer.
5. The Bill, Contact, Circuit Detail, and Location Sections will be populated the same as when ordering BellSouth SPA Point to Point Network (LightGate) DS3 circuits. NC, NCI, and SECNCI data is identical.
6. The first character of REQTYP will be 'S' to indicate Special Access Service followed by the appropriate second character depending on the service request (see Access Ordering Service Guide (ASOG) for valid values).

ASR Example For BellSouth SPA Managed Shared Network Service DS3 Circuit (POP to Customer Premises)

```
**************************** ADMINISTRATIVE SECTION **************************
CCNA XYZ PON MS12345001_____ VER __ SPA _ ICSC SB03 BY _ RTR __ CC ____
D/TSENT 07-30-98_____ QA _ DDD 09-30-98FDT _____ PRJCT _____
PPTD _____ PFPTD _____ NOR __ __ LUP ___ BSA _ REQTYP S+_ ACT _ SUP _ AFO ____
TQ __ EXP _ AENG _ ALB _ AGAUT _ DATED _____ CUST _____
FBA _____ CKR _____
UNIT C PIU100 LTP ____ PLU ___ CNO _____
ECCKT _____ QTY 0000001
FNI _____ CFNI _____ QTY _____
BAN N_____ ASG _____ BIC _ TEL ___ ___ ____ BIC-ID _____
TSC _____ ACTL MSNSCLLILOC LA _ AI _ APOT _____
RORD _____
RPON _____ CCVN _____ ASC-EC ____ TSP _____ __
SAN _____ AFG _ SPEC L11NP+_
REMARKS
MCPA POPCLLIAL01 VTA2 A12_____ _____
_____
```

1. SPEC code will be populated with 'L11NP+' to indicate LightGate Service from the BellSouth SPA Managed Shared Network Service POP Serving Wire Center to the Customer Premises. The sixth position indicates the Separate Alternate Facility Transport (SAFT) for the circuit. Valid values are N, 1, 2, 3, 4, 5, or 6.
2. FNI will not be populated with CNI data.
3. ACTL will be populated with the ACTL of the BellSouth SPA Managed Shared Network Service Aggregate/Interim Location CLLI. Note: This CLLI may or may not be the same as the MCPA CLLI.
4. REMARKS will contain 'MCPA' followed by the BellSouth SPA Managed Shared Network Service Plan Number. The BellSouth SPA Managed Shared Network Service Plan Number will be provided by the Account Team to the Customer.
5. The Bill, Contact, Circuit Detail, and Location Sections will be populated the same as when ordering BellSouth SPA Point to Point Network Service (LightGate) DS3 circuits. NC, NCI, and SECNCI data is identical. If the customer is ordering the BellSouth SPA Point to Point Network Service (LightGate) portion of the circuit under a Transport Payment Plan (TPP), 'VTA2' will be provided in the REMARKS followed by the plan information. The plan information indicates the plan type and the number of months. 'A' will be used for TPP. The number of months can be 12 to 96.
6. The first character of REQTYP will be 'S' to indicate Special Access Service followed by the appropriate second character depending on the service request (see Access Ordering Service Guide (ASOG) for valid values).

ASR Example For BellSouth SPA Managed Shared Network Service DS1 or DS0 Circuit

```
*************************** ADMINISTRATIVE SECTION ***************************
CCNA XYZ PON MS12345001_____ VER __ SPA _ ICSC SB03 BY _ RTR __ CC ____
D/TSENT 07-30-98_____ QA _ DDD 09-30-98FDT _____ PRJCT _____
PPTD _____ PFPTD _____ NOR __ _ LUP ___ BSA _ REQTYP S+_ ACT _ SUP _ AFO ____
TQ __ EXP _ AENG _ ALB _ AGAUT _ DATED _____ CUST _____
FBA _____ CKR _____
UNIT C PIU100 LTP ____ PLU ___ CNO _____
ECCKT _____ QTY 0000001
FNI _____ CFNI _____ QTY _____
BAN N_____ ASG _____ BIC _ TEL ___ ___ ____ BIC-ID _____
TSC _____ ACTL MSNSCLLILOC LA _ AI _ APOT _____
RORD _____
RPON _____ CCVN _____ ASC-EC ____ TSP _____ __
SAN _____ AFG _ SPEC _____
REMARKS
MCPA POPCLLIAL01_____ _____
_____
```

1. ACTL will be populated with the ACTL of the BellSouth SPA Managed Shared Network Service Aggregate/Interim Location CLLI. Note: This CLLI may or may not be the same as the MCPA CLLI.
2. REMARKS will contain 'MCPA' followed by the BellSouth SPA Managed Shared Network Service Plan Number. The BellSouth SPA Managed Shared Network Service Plan Number will be provided by the Account Team to the Customer.
3. The Bill, Contact, Circuit Detail, and Location Sections will be populated the same as when ordering Special Access DS1 or DS0 circuits. NC, NCI, and SECNCI data is identical.
4. The first character of REQTYP will be 'S' to indicate Special Access Service followed by the appropriate second character depending on the service request (see Access Ordering Service Guide (ASOG) for valid values).

ASR Example For SNA BellSouth SPA Managed Shared Network Service DS1 or DS0 Circuit

```
************************* ADMINISTRATIVE SECTION *************************
CCNA XYZ PON MS12345001_____ VER __ SPA _ ICSC SB03 BY _ RTR __ CC ____
D/TSENT 07-30-98_____ QA _ DDD 09-30-98FDT _____ PRJCT _____
PPTD _____ PFPTD _____ NOR __ _ LUP ___ BSA _ REQTYP S+_ ACT _ SUP _ AFO ____
TQ __ EXP _ AENG _ ALB _ AGAUT _ DATED _____ CUST _____
FBA A_____ CKR _____
UNIT C PIU100 LTP ____ PLU ___ CNO _____
ECCKT _____ QTY 0000001
FNI _____ CFNI _____          QTY _____
BAN N_____ ASG _____ BIC _ TEL ___ ___ ____ BIC-ID _____
TSC _____ ACTL MSNSCLLILOC LA _ AI _ APOT _____
RORD _____
RPON _____ CCVN _____ ASC-EC ____ TSP _____ __
SAN _____ AFG _ SPEC _____
REMARKS
_____
_____
```

1. ACTL will be populated with the ACTL of the BellSouth SPA Managed Shared Network Service Aggregate/Interim Location CLLI. Note: This CLLI may or may not be the same as the MCPA CLLI.
2. FBA will be populated with 'A'.
3. The Bill, Contact, Circuit Detail, and Location Sections will be populated the same as when ordering Special Access DS1 or DS0 circuits. NC, NCI, and SECNCI data is identical.
4. The first character of REQTYP will be 'S' to indicate Special Access Service followed by the appropriate second character depending on the service request (see Access Ordering Service Guide (ASOG) for valid values).

MSNS CABS BILL SAMPLE –

(SEE PAGE 6 OF THIS DOCUMENT FOR A PRESENTATION OF THE MONTHLY RECURRING CHARGES BILLED ON THE SYSTEM CIRCUIT)

ONE TIME CHARGE: ESTABLISHING ALTERNATE AGGREGATION LOCATION

BILL PAGE 14/69 - SECTION 1/3
601 N07 XXXX   12/05/02   14:29:58   ACCT
                                                                              CMND

BDT   10/07/02   INV   00001

                                                    BILL NO   601 N07-XXXX XXX
                                                    INVOICE NO   N07XXXXXXX-000001
                                                    BILL DATE   OCT 07,2002
                                                    ACNA XXX   PAGE   14
_____

              * * * DETAIL OF OTHER CHARGES AND CREDITS * * *
                                                    BIP   AMOUNT
                                                    ___   _____

SEP 04 02   SO R6XXXXXX   PON XXXXXXXXXX
FACILITY IDENTIFICATION MSNS CLLIX POPCLLI POPSWCCLLICODE PIU 100
CIRCUIT LOCATION 0001
    ONE-TIME CHARGE FOR
OHSLE   1   BELLSOUTH SWA, **MANAGED SHARED NTWK SVC** (MSNS),
              ALTERNATE AGGREGATION LOCATION ESTABLISHED
              PIU 100
              INTERSTATE - MS - EC 5184   1,500.00

NET EFFECT OF SO R6XXXXXX   PON XXXXXXXXXX
 PER MONTH   FRACTIONAL   ONE-TIME   BILLED AMOUNT
  TOTAL - MS - EC 5184
     0.00   0.00   1,500.00   1,500.00

MSNS CABS BILL SAMPLE –

(NOTE: MSNS USOCs do not bill a Non-Recurring (One-Time) Charge for Service added.
MRC (next month & current fractional) is billed as an OC&C on orders with for these

USOCs. Any non-recurring associated with other non-MSNS USOCs on the would still apply.

ACTIVATING DS3 IN MSNS LOCATION

BILL PAGE 45/83 - SECTION 1/3

615 N28 XXXX   12/05/02   15:33:59   ACCT
                                                          CMND

BDT   07/28/02   INV 00001

                          BILL NO   615 N28-XXXX XXX
                          INVOICE NO   N28XXXXXXX-00001
                          BILL DATE   JUL 28,2002
                          ACNA XXX   PAGE   45

_____

         * * * DETAIL OF OTHER CHARGES AND CREDITS * * *

                                              BIP   AMOUNT
                                              ___   _____

 JUL 18 02   SO C9XXXXXX   PON XXXXXXXX
CIRCUIT NUMBER T4.HFGS.XXXXXX..SC PIU 100
CIRCUIT LOCATION 0001
    CHARGE FOR ACCESS SERVICE ADDED
        FROM JUL 18 02 THRU JUL 27 02
  HFN13   1   **MANAGED SHARED NETWORK SERVICE** (MSNS),
                DS3 INTERFACE, PER INTERFACE, **DS3**
                PIU 100
                INTERSTATE - TN - EC 5185 - ZONE 1   24.00

 CIRCUIT LOCATION 0002 PIU 100
    CHARGE FOR ACCESS SERVICE ADDED
        FROM JUL 18 02 THRU JUL 27 02
  PE1PH   1   DS1 CROSS-CONNECT FOR PHYSICAL EXPANDED
                INTERCONNECTION SERVICE,
                FOR DS3 POT BAY BILLING
                PIU 100
                INTERSTATE - TN - EC 5185   2.40

    CHARGE FOR ACCESS SERVICE ADDED
        FROM JUL 18 02 THRU JUL 27 02
  PE1P3   1   EXPANDED INTERCONNECTION SERVICE-PHYSICAL
                EXPANDED INTERCONNECTION SERVICE-GENERAL
                DS3 CROSS-CONNECT
                PIU 100
                INTERSTATE - TN - EC 5185   5.78

  NET EFFECT OF SO C9XXXXXX   PON XXXXXX
   PER MONTH   FRACTIONAL   ONE-TIME   BILLED AMOUNT
    TOTAL - TN - EC 5185
     107.26   32.18   0.00   32.18

OC&C Record: Adjustment for DS3 Local Channels added or removed during the month:

MM DD YY   SO ZYYMMDDNNNN

Facility Identification MSNS CLLIX MCPACLLIXXX POPSWCCLLI PIU 100
Circuit Location 0001
        Charge for Access Service Added (or Removed)
            Previous Month Billing   = $14,116.06
            Current Month Billing   = $14,589.00
            Billing Difference X 50% = $ 236.47
            Special Access (32/32)
HFN3C 32 Managed Shared Network Service (MSNS),
                Local Channel, DS3 Service, Flat Rate, Per
                Local Channel, Per Aggregation Location
                      PIU 100
                Interstate – XX – EC XXXX – ZONE X   236.47
Net Effect of SO ZYYMMDDNNN
        Per Month   Fractional   One-Time   Billed Amount
  Total – XX – EC XXXX
        236.47   236.47   0.00   236.47

Because the current month has a higher count than the previous month, an additional debit was billed. If the current month was less than the previous month, a credit would be issued.

Adjustment for circuits not converted yet (determined and issued during conversion clean-up period):

MM DD YY   Adjustment of Interconnection Charge
         From MM DD YY thru MM DD YY
         Customer Audit Number ECXXXMSNSCYYMMDD
         Circuit Number MSNS September Monthly Recurring Credit
         Directionality: N/A   INIT/PREV Billed: PREV
         PREM/NONPREM Ind: N/A Rec/Nonrec Ind: Nonrec
         Interstate – XX – EC XXXX   AMOUNT CR

In this entry, the MM-DD-YY of the from and to are entered by the Rep to show the month being adjusted for. Customer Audit Number format:

EC	constant
MSNS	constant
XXX	Customer ACNA
C	C or D to indicate credit or debit
YYMMDD	Year, Month, and Date of adjustment issuance

The appropriate Month should appear in the fourth line of data.
The amount will be shown as a CR if a credit is being applied.

MSNS – Service Concept / Diagram

LATA -- XYZ

DS3 Local Channel

Aggregation Location A

SWC A

DS0 Interoffice Channel
DS1 Interoffice Channel
DS3 Interoffice Channel

SWC B

Interim Location

DS0 Channel Interface
DS1 Channel Interface
DS3 Channel Interface

DS0 Local Channel
DS1 Local Channel
DS3 Local Channel
Billed from Existing Tariff

Aggregation Location B

SWC C

DS3 Local Channel