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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service

#### A9.1.1 General Description

- A. Foreign Exchange service is exchange service furnished to a subscriber from an exchange other than the one from which the subscriber would normally be served, allowing subscribers to have local presence and two-way communications in an exchange different from their own.
- B. The service is provisioned via dedicated facilities from the subscriber's premises to the foreign office, or where appropriate, from a Centrex type service arrangement to the foreign office. Except where provided otherwise in this *Guidebook*, this service is subject to outward minutes of use (originated by the subscriber) local usage charges. (T)
- C. Foreign Exchange service is provided as a voice grade service and is not represented as suitable for satisfactory transmission of data. Transmission characteristics may vary depending on the distance and routing required to originate or complete the switched portion of the call at the open (dial-tone) end.

#### A9.1.2 Definitions

Certain terms used generally throughout this *Guidebook* are defined as follows:

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##### CLOSED END

The term "Closed End" denotes the dedicated portion, from the subscriber's premises to the dial-tone office, of the Foreign Exchange service.

##### HOME WIRE CENTER

The term "Home Wire Center" denotes the wire center from which a customer or authorized user would normally be served for local exchange service.

##### OPEN END

The term "Open End" denotes the dial-tone end of the Foreign Exchange service which is located in the foreign exchange and where network switching of calls occurs.

#### A9.1.3 Terms and Conditions

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- A. Foreign Exchange service may only be provided where all facilities and serving points are located in the same LATA.
- B. This service may be furnished on a link (partial channel) basis when connected to FlexServ service, MegaLink channel service, LightGate service and/or similar services; exchange access and usage charges as set forth in A9.1.6 following will apply regardless of any substitutions with respect to the local channel and/or interoffice channel.<sup>1</sup>

**Note 1:** Foreign Exchange service channels associated with MegaLink channel service or LightGate service contracts in effect as of February 10, 1992 will continue to be billed from Section A3. for the duration of the contract. Upon expiration of the contract, the Section A3. charges will be converted to the appropriate charges in Section A9.

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.3 Terms and Conditions (Cont'd)

- C. Other services, equipment or facilities used in connection with Foreign Exchange service, except as otherwise indicated in this *Guidebook*, are furnished subject to the rates, *terms and conditions* applying in the exchange in which the foreign office is located. (T)
- D. Foreign Exchange service is furnished subject to the same restrictions, as to the use of the service by other than the subscriber and his representatives, as apply in connection with other classes of service.
- E. Subscribers to Foreign Exchange service are not required to subscribe to other service in the exchange from which they would normally be served.
- F. When service is interrupted due to causes other than the negligence of the customer, or to the failure of facilities furnished by the customer, a credit allowance will be made upon request as set forth in B2.4 of the Private Line *Guidebook*, as appropriate. (T)
- G. This service is not offered in conjunction with optional extended area local calling plans.
- H. Resale of this service is not permitted.
- I. Foreign Exchange service may not be suspended in lieu of cancellation.
- J. The local calling area (seven-digit dialing) for Foreign Exchange Service provided in a particular wire center will be the same as that provided on a non-optional basis to subscribers to Basic Local Exchange Service in that same wire center, as described in Section A3. This local calling area includes that provided in calling plans such as Extended Calling Service and Local Calling Plus. (T)

#### A9.1.4 Rate Categories

##### A. Service Configuration

There are two types of service configurations which can be provided. These are described as follows:

- 1. Single-Point Service
  - a. A single-point service connects a subscriber's premises to a central office other than the one from which the subscriber would normally be served.
- 2. Multipoint Service
  - a. Multipoint (extension) service provides foreign office dial-tone for more than one customer premises.

##### B. Types of Rates and Charges

###### 1. Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have 30 days.

###### 2. Nonrecurring Charges

Nonrecurring Charges are one-time charges that apply for a specific work activity.

- a. Installation of Service

## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.4 Rate Categories (Cont'd)

##### B. Types of Rates and Charges (Cont'd)

###### 2. Nonrecurring Charges (Cont'd)

###### a. Installation of Service (Cont'd)

The charges for the installation of services are set forth in A9.1.6 following as nonrecurring charges for the Local Channel, Interoffice Channel, Bridging Equipment Charge, and Exchange Access rate elements, and are in lieu of Service Charges provided in Section A4. (T)

Nonrecurring charges apply for each service terminated at the subscriber's premises. When more than one of the same type of service, between the same locations and for the same customer, is ordered and installed at the same time, one local channel at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

###### b. Service Rearrangements

(1) Service rearrangements are changes to existing (installed) services which do not result in a change in the physical location of the point of termination at a customer premises. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in C. following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Foreign Exchange service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),
- Change of customer or customer's premises address when the change of address is not a result of a physical relocation of equipment.
- Change in billing data (name, address or contact name or telephone number).

(2) All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element will apply. The charges will apply only for the location(s) that is being added.
- For all other changes a charge equal to a Local Channel rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

(3) A Line Change Charge, as set forth in Section A4., applies to any subscriber-requested change of telephone number. (T)

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.4 Rate Categories (Cont'd)

##### B. Types of Rates and Charges (Cont'd)

###### 3. Usage Charges

Usage charges will apply on a customer sent-paid basis for all calls originated by the subscriber and terminating within the local calling area of the foreign exchange. (T)

###### 4. Service Order Modifications/Cancellation of a Service Order

Foreign Exchange Service is provided subject to the terms and conditions specified in B2.4.13 and B2.4.14 of the Private Line *Guidebook*. These terms and conditions also apply when individual Foreign Exchange rate elements as described in D. following are provided in conjunction with other services. (T)

##### C. Moves

1. A move involves a change in the physical location within the subscriber's serving wire center, of one of the following:

- a. The point of interface at the subscriber's premises.
- b. The subscriber's premises.

2. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

###### a. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring charge for the local channel.

###### b. To a Different Building

The nonrecurring charge for the local channel will apply for moves to a different building.

##### D. Basic Rate Elements

Foreign Exchange Service normally includes the following rate elements:

- Primary Local Channel
- Interoffice Channel
- Exchange Access
- Usage Charges

Where appropriate, the following rate elements also apply:

- Secondary Local Channel(s)
- Bridging Equipment

## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.4 Rate Categories (Cont'd)

##### D. Basic Rate Elements (Cont'd)

There are services, however, for which one or more of these functions are provided pursuant to other sections of this *Guidebook*, with individual Foreign Exchange rate elements referenced in those *guidebooks*. For example, when a Main Station Line is extended from a Centrex Type Services arrangement to a foreign exchange, charges for many of the elements of that service such as applicable access line and usage rates are addressed in Section A12. and A112., but the Interoffice Channel for that service is provided according to this Foreign Exchange *guidebook*, unless otherwise specified. (T)

Foreign Exchange rate elements are as follows:

###### 1. Local Channel

- a. The primary local channel provides for a communications path between a subscriber premises and the home wire center of that premises. One local channel applies per channel termination.
- b. Where multipoint service<sup>1</sup> is provided, the secondary local channel provides a communications path between an additional subscriber premises and the home wire center of that premises.

###### 2. Interoffice Channel

- a. This rate element provides for the transmission facilities between the home wire center of the primary local channel and the foreign office, and where applicable, between the home wire center of a secondary local channel and the office in which the extension is bridged.

Interoffice mileage is portrayed in mileage bands. A fixed rate and a rate per mile applies to each such channel and band.

- b. The mileage to be used to determine the monthly rate for this rate element is calculated on airline distance as follows, regardless of how the service is physically routed:

- (1) For the primary leg - between the subscriber's serving wire center and the foreign office.
- (2) For the secondary leg - between the serving wire center of the secondary local channel and the wire center in which the extension is bridged.

- c. The V & H coordinates method is used to determine mileage in accordance with the following:

- (1) Obtain the "V" and "H" coordinates for each wire center, as listed in the National Exchange Carrier Association Tariff F.C.C. No. 4.
- (2) Obtain the difference between the "V" coordinates of the two wire centers. Obtain the difference between the "H" coordinates. (The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.)
- (3) Square each difference obtained in (2) preceding.

**Note 1:** Foreign Exchange service is normally provided on a single point basis; however, where facilities permit, multipoint service may be provided within the same LATA. Locations connected may be two or more customer designated premises. This service requires design considerations and equipment different from the multipoint service described in the Private Line *Guidebook*, and is not to be considered as a similar service. (T)

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.4 Rate Categories (Cont'd)

##### D. Basic Rate Elements (Cont'd)

###### 2. Interoffice Channel (Cont'd)

- c. The V & H coordinates method is used to determine mileage in accordance with the following: (Cont'd)
  - (4) Add the squares of the "V" difference and the "H" difference obtained in (3) preceding.
  - (5) Divide the sum of the squares obtained in (4) preceding by 10.
  - (6) Obtain the square root of the result obtained in (5) preceding. This is the rate distance in miles. (Fractional miles being considered as full miles.)

EXAMPLE: The rate distance is required between Wire Center One and Wire Center Two.

	V	H
Wire Center One	7260	2083
Wire Center Two	7364	1865
Difference	104	218
Squared	10,816	+ 47,524 = 58,340

58,340 divided by 10 = 5834

Square root of 5834 = 76.38 = 77 Airline miles

###### 3. Bridging Equipment Charge

- a. This rate element provides for multipoint bridging for each bridged secondary local channel.

###### 4. Exchange Access

- a. This rate element provides dial tone at the foreign office. Usage charges also apply as described in 5. following.

###### 5. Foreign Exchange Usage Charges

- a. This rate element provides traffic sensitive switching for all calls originated by the subscriber and terminating within the local calling area of the foreign exchange.

##### E. Method of Applying Rates

###### 1. The charges for Foreign Exchange service are as follows:

- a. Rates and charges for the open end of the service include exchange access and usage as set forth in A9.1.6 following.
- b. Rates and charges for the closed end of the service include local channel(s), interoffice mileage and, where appropriate, bridging charges as set forth in A9.1.6 following.
- c. Where bridging of an extension(s), whether because of technical limitations or the locations of the involved subscriber premises, requires the use of an interoffice channel other than the one associated with the primary local channel, each such additional interoffice channel will be rated separately.<sup>1</sup>

**Note 1:** This provision will not affect the rate currently charged for extensions in effect as of June 28, 1993, until such time as there is customer-originated activity which results in a change in the interoffice channel for such service. At such time, the terms and conditions of this provision will apply.

## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.5 Billing of Foreign Exchange Service Provided by Multiple Companies

- A. Each company will bill for the portion of the service provided by their respective service publications based on their terms, conditions, rates and charges as appropriate.
- B. The charges billed by each company for the interoffice channel between exchange telephone company central offices are determined as follows:
  1. The total mileage for the service is computed using the V&H coordinates set forth in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4 (NECA No. 4).
  2. A billing factor is determined from the NECA No. 4 tariff. This factor represents the percentage of the distance between exchange telephone company central offices that will be billed by each company. The billing factor is multiplied by the total charge for all of the miles to determine the amount to be billed by the Company.
  3. For the fixed recurring rate element and the nonrecurring charge associated with the interoffice channel between exchange telephone company central offices, 50 percent of each company's rate will apply for each end of the interoffice channel provided. If the company does not bill for either end of the interoffice channel, then the fixed recurring charge and nonrecurring charge shall not apply.

#### A9.1.6 Rates and Charges

##### A. Basic Rate Elements

###### 1. Local Channel

		Monthly Rate	Nonrecurring Charge			
			First	Additional	USOC	
	(a) Primary	\$215.00	\$435.00	\$149.00	1D91X	(I)
	(b) Secondary	215.00	435.00	149.00	1D92X	(I)

###### 2. Interoffice Channel

		Fixed Monthly Charge	Monthly Charge	Nonrecurring Charge	
		Charge	Per Mile	Per Channel	USOC
	(a) 1 thru 8 miles	\$28.50	\$1.65	\$85.00	1L9FX
	(b) 9 thru 25 miles	28.50	1.60	85.00	1L9FX
	(c) Over 25 miles	28.50	1.55	85.00	1L9FX
		Nonrecurring Charge	Monthly Rate	USOC	

###### 3. Bridging Equipment Charge

(a) Per Local Channel bridged	\$30.00	\$113.00	BME	(I)
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###### 4. Exchange Access

(a) Per line	19.50	396.00	FX5++	(I)
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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.1 Foreign Exchange Service (Cont'd)

#### A9.1.6 Rates and Charges (Cont'd)

##### A. Basic Rate Elements (Cont'd)

- 5. Usage Charges<sup>1</sup>
  - a. Basic Local Calling Area Usage
    - (1) Per originating minute of use or fraction thereof

	Initial Minute	Each Additional Minute	USOC
(a) Each	\$08	\$06	NA
b. Other Local Usage Rate Service Charges			
(1) Where non-optional Local Exception Service rates are applicable for basic local exchange service customers, these rates are also applicable for similar "local" calls placed via the Foreign Exchange service. Examples of such services are: Extended Calling Service as described in A3.8.49, and Local Calling Plus as described in A3.8.50.			(T)
c. No discounts, caps or allowances apply to these usage charges.			

### A9.2 Foreign Central Office Service

#### A9.2.1 General Description

- A. Foreign Central Office service is an exchange service furnished to a subscriber in a multi-office exchange from a central office other than the one from which the subscriber would normally be served.

#### A9.2.2 Terms and Conditions

- A. Foreign Central Office service is offered in connection with Individual Line Main Station service, PBX service and Centrex type service.
- B. Other services, equipment or facilities used in connection with Foreign Central Office service, except as otherwise indicated in this *Guidebook*, are furnished subject to the rates, *terms and conditions* applying in the foreign office from which the subscriber is served.
- C. The *terms and conditions* for interruption of service as shown in the Private Line *guidebook* will apply.
- D. Alternate routing of this service may be provided on a direct serve basis to the subscriber's premises from the requested foreign office on an individual case basis as specified in Section A5., subject to the following conditions:
  - 1. The subscriber must maintain a minimum of fifty percent of the trunks/lines from the central office from which service would normally be furnished.

**Note 1:** Not applicable to stations terminating in a Centrex type service arrangement at a foreign exchange.

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.2 Foreign Central Office Service (Cont'd)

#### A9.2.2 Terms and Conditions (Cont'd)

##### D. (Cont'd)

2. The monthly rate for the class of service desired will be based on the rates applicable for the foreign office, but will be no less than the rates for that service out of the subscriber's normal home wire center. Additionally, rates and charges as specified in Section A5. will apply on an individual case basis.

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#### A9.2.3 Rate Categories

##### A. Types of Rates and Charges

The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

###### 1. Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have 30 days.

###### 2. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity.

###### a. Installation of Service

The nonrecurring charges for the installation of service are set forth in A9.2.4 following as nonrecurring charges for the interoffice channel rate element.

Service Connection charges as specified in Section A4. for the exchange service desired are also applicable.

###### b. Rearrangements, Moves and Changes

Service charges for rearrangement, move or change of service, as specified in Section A4. for the exchange service desired, are also applicable.

The rate for Foreign Central Office service is the monthly rate for the class of service desired, plus interoffice channel mileage charges as shown in A9.2.4 following, for the airline distance between the central office from which the subscriber would normally be served and the foreign central office.

##### B. Rate Elements

###### 1. Interoffice Channel

- a. This rate element provides for the transmission facilities between the subscriber's home wire center and the foreign office.
- b. Interoffice channel mileage is portrayed in mileage bands. A fixed rate and rate per mile applies to each band.
- c. The mileage to be used to determine the monthly rate for the interoffice channel is calculated on airline distance as described in A9.1.4.D. preceding, regardless of how the service is physically routed.

## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.2 Foreign Central Office Service (Cont'd)

#### A9.2.4 Rates and Charges

##### A. Interoffice Channel

###### 1. Per channel

		Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC
(a)	1 thru 8 miles	\$28.50	\$1.65	\$85.00	1LHGV
(b)	9 thru 25 miles	28.50	1.60	85.00	1LHGV
(c)	Over 25 miles	28.50	1.55	85.00	1LHGV

### A9.3 Interim Foreign Exchange Service

#### A9.3.1 Terms and Conditions

- A. Interim Foreign Exchange Service is exchange service furnished to a subscriber location not in any exchange. The serving exchange will be selected by the Company in each instance. (T)
- B. Interim Foreign Exchange Service is offered in connection with individual line service, and PBX service.
- C. Other services, equipment or facilities used in connection with Interim Foreign Exchange Service, except as otherwise indicated in this Guidebook, are furnished subject to the rates, *terms* and *conditions* applying in the exchange from which the service is furnished. (T)
- D. Interim Foreign Exchange Service is furnished subject to the same restrictions as to the use of the service by other than the subscriber and his representatives, as apply in connection with other classes of service.
- E. Interim Foreign Exchange Service will be initially provided from, or subsequently changed to, whichever exchange and central office would be the most economical to the Company.
- F. Interim Foreign Exchange Service is not in accord with the general plan of furnishing telephone service and such service is furnished only under special conditions where warranted by the circumstances involved and provided facilities are available and will function properly at the distance involved.
- G. Standard quality of transmission levels is not assured for Interim Foreign Exchange Service when more than one station per line is in use at the same time.

#### A9.3.2 Rates and Charges

- A. The rate for Interim Foreign Exchange Service is the nonrecurring and monthly rate for individual line service, or PBX trunk line applicable within the serving exchange plus a region charge as follows for service located in a region designated on the Interim Foreign Exchange Area Maps. These regions are generally measured in units of one mile from the nearest exchange boundary (not necessarily the serving exchange) and the charge per region is as follows:

## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.3 Interim Foreign Exchange Service (Cont'd)

#### A9.3.2 Rates and Charges (Cont'd)

##### A. (Cont'd)

###### 1. Regions 1 - 6

	Regions						
	1	2	3	4	5	6	USOC
(a) Individual Line, PBX Lines	\$5.65	\$11.25	\$16.90	\$22.50	\$28.15	\$33.75	ZNL++

###### 2. Regions 7 - 10

	Regions				Additional		
	7	8	9	10	Regions	USOC	
(a) Individual Line, PBX Lines	\$39.40	\$45.00	\$56.25	\$61.90	\$5.65	ZNL++	

B. The local service area of, and long distance rates to and from main stations, semipublic, public or PBX systems located in an Interim Foreign Exchange Area are the same as regularly apply to stations located in the serving exchange area. Charges, if any, for message to main stations, private branch exchange systems, are the established rates for messages to stations located in the serving exchange area.

C. The rates and charges quoted for Interim Foreign Exchange Service provide for the furnishing of the service where suitable facilities are available or where the construction of the necessary facilities does not involve unusual costs. When the revenue to be derived from the service is not, in the opinion of the Company, sufficient to warrant the Company assuming the unusual cost of providing the necessary construction or if the service life of the constructed facilities may be unusually short or unknown, the customer and/or customers may be required:

1. To pay all or a portion of such cost.
2. To guarantee a monthly minimum amount of revenue for a period of up to a maximum of ten years.
3. To enter into a contract period up to a maximum of ten years with termination charges applicable in case of cancellation prior to termination of the contract.
4. Any combination of the above, thereof, based upon the circumstances in each case.
5. New construction not covered above shall be provided in accordance with the *terms, conditions* and charges in Section A5.

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## A9. FOREIGN EXCHANGE SERVICE AND FOREIGN CENTRAL OFFICE SERVICE

### A9.4 Local Usage Detail (LUD)

#### A9.4.1 General

- A. Local Usage Detail (LUD) is an option for Foreign Exchange Service subscribers who desire a printed listing of local call details for calls placed to the basic local calling area and to the expanded calling area, if applicable, in addition to the usual summary billing of all dialed, sent-paid, billed local usage.
- B. The provision of LUD will coincide with the billing period(s) for the access lines to receive detailed billing; i.e., the reporting of expanded call details will start at the beginning of a billing period and stop at the end of a billing period. For existing customers, LUD should be ordered at least five days prior to the billing date to ensure the timely start or stop of detailed reporting. However, if LUD is requested on an order which establishes service, detailed reporting will start coincident with establishment of the service.
- C. LUD will be provided on a per account basis.
- D. Charges for LUD are in addition to applicable local usage charges specified in this *Guidebook*.

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#### A9.4.2 Rates and Charges

- A. The following charge applies for LUD.
  - 1. Per monthly printed listing of call details

	Charge	USOC
(a) Per call listed	\$01	NA

- B. When an order is issued solely to initiate LUD, a Secondary Service Order charge applies. Otherwise, normal service order charges apply.