SMS/800 FUNCTIONS

CHECK SHEET

Title pages and Page 1 through 61 inclusive of this tariff are effective as of the date shown. Original and revised Pages as named below and Supplement Nos. 1, 2 and 3 contain all changes from the original tariff that are in effect on the date hereof.

Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated	Page	Number of Revision Except as Indicated
Title Page 1	Original	28	5th*	55	6th*
Title Page 2	12th	28.1	3rd	55.1	7th
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1	38th*	30	2nd	58	2nd
2	6th	31	3rd	58.1	Original
3	3rd	32	8th*	59	7th
4	2nd	33	1st	59.1	3rd
5	4th	34	2nd	60	19th
6	1st	35	3rd	61	19th
7	1st	36	6th		
8	2nd	37	1st		
9	2nd	38	Original		
10	10th*	39	2nd		
11	10th*	40	2nd		
12	1st	41	1st		
13	5th	42	1st		
13.1	2nd	43	Original		
14	2nd	44	1st		
15	3rd	45	2nd		
16	Original	46	2nd		
17	2nd	46.1	1st		
18	2nd	46.2	1st		
19	4th	46.3	1st		
20	3rd	46.4	1st		
21	1st	46.5	1st		
22	4th	47	1st		
23	3rd	48	5th*		
23.1	1st	49	3rd*		
23.2	2nd	50	4th		
24	2nd	51	3rd		
25	3rd	52	3rd		
26	2nd	53	4th*		
27	3rd	54	5th		

* denotes Check Sheet change

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SMS/800 FUNCTIONS

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and current issues may be obtained from the SMS/800 website (www.sms800.com).

			D
			D
			D
BR 780-004-221	SMS/800 User Guide: 3270		T
Issue 40	January 2012	Available: March 2012	T
BR 780-004-280	User Guide: Web-Based Access (WBA)		
Issue 23 Rev 1	January 2012	Available: March 2012	T
BR 780-004-227	User Guide: 3270 Service Provider Reports		N
Issue 20	January 2012	Available: March 2012	N
BR 780-004-282	User Guide: Web-Based Reporting System (WRS)		N
Issue 13	January 2012	Available: March 2012	N

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SMS/800 FUNCTIONS

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and current issues may be obtained from the SMS/800 website (www.sms800.com).

SR-4592	SMS/800 Mechanized Generic Interface (MGI) Specification		
Issue 16 Rev 4	January 2012	Available: March 2012	T
SR-4592 Addendum	SMS/800 MGI Industry Test Plan		T
			D
Issue 16	January 2012	Available: March 2012	T
SR-5120	SMS/800 CR Batch Update and Response Specification		
Issue 6	January 2012	Available: March 2012	T
UIS-SMS-201	SMS/800 Data Center Network Connectivity Guide		T
Version 3.0	March 2012	Available: March 2012	T

SMS/800 FUNCTIONS

2. **General Regulations (Cont'd)**

  2.3 **Obligations/Responsibilities of the Resp Org (Cont'd)**

   2.3.2 **Service Establishment**

   (A) In order to access the SMS/800, the Resp Org must first obtain a logon identification (logon ID) code from the Company. In order to obtain a logon ID, the Resp Org must demonstrate that one or more Resp Org employees have been adequately trained in SMS/800 system capabilities and features, including handling customer records, number administration and service provisioning. Requests for logon IDs should be made via the Service Establishment form, which is available on the   T SMS/800 website, www.sms800.com.

   Regardless of the method used for obtaining the necessary knowledge, in all cases the SMS/800 training manager will prepare, schedule, and administer a certification test that the prospective Resp Org must pass.

   Subsequent to becoming certified by passing the certification test, the Resp Org is expected to use the SMS/800 website to stay informed about the SMS/800 system.

   Failure to pass the certification test will result in the following:

   (1) Any applicant that fails the certification test will be required to wait a period of at least one week before requesting that the test be repeated.

   (2) Any applicant that fails three (3) certification tests will have its application for access to the SMS/800 canceled.

   (3) After three (3) failures of the certification test, a period of at least six (6) months must elapse between the time the applicant is notified that their application has been canceled and the time the applicant re-applies. Such subsequent applications will be treated as first-time applications.

   Resp Orgs interfacing with the SMS/800 on a mechanized basis are required to participate in a series of tests as described in 3.5 following prior to interfacing with the SMS/800 on a mechanized basis.

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SMS/800 FUNCTIONS

2. General Regulations (Cont'd)

2.3 Obligations/Responsibilities of the Resp Org (Cont'd)

2.3.7 Additional Responsibilities of the Resp Org

(A) The Resp Org is responsible for accessing the SMS/800 to reserve numbers, to construct and modify toll-free subscriber records and to schedule the date for downloading each record to the necessary databases. The Resp Org is solely responsible for the accuracy of this information, and for assuring that all required information is input or transmitted to the SMS/800 in the proper format as specified in BR 780-004-221, SMS/800 User Guide: 3270, BR 780-004-280, User Guide: T Web-Based Access (WBA), and in SR-4592, SMS/800 Mechanized Generic Interface (MGI) Specification. The Company may modify that format under the conditions set forth in 2.1.6(C) preceding.

(B) The Resp Org will provide and maintain the hardware needed for its interface with the SMS/800. The hardware and link specifications for the SMS/800 are contained in 3.3 following.

(C) The Resp Org is responsible for assuring that its number search and number reservation activities are consistent with Section 2.2.2 of this tariff.

SMS/800 FUNCTIONS

3. Service Offerings (Cont'd)

3.1 Service Available to Toll-free Resp Orgs

3.1.1 Number Search and Reservation

The SMS/800 provides the Resp Org the ability to search for and reserve ten digit toll-free (NPA-NXX-XXXX) numbers that reside within the database. The results of the search are the current status of a specified number or a display of a spare number. Unless specific instructions are given by the Resp Org, the SMS/800 does a random selection of spare numbers. If the number is spare, the Resp Org can reserve that number for up to 45 calendar days.

The status of a toll-free number can be changed by the Resp Org, or in limited cases by the Company. The status can also be changed automatically by the system, based on predetermined criteria contained in the toll-free subscriber's record.

Number statuses recognized by SMS/800 are defined in BR 780-004-221, SMS/800 User Guide: 3270.   T

3.1.2 Customer Record Creation and Modification

The Resp Org will have the ability to create new and modify existing toll-free Customer Records in the SMS/800 and schedule the date and time that the records are to be activated at the affected databases. The SMS/800 will update network databases, consistent with the effective date and time stated on the Customer Record.

The toll-free Customer Record contains all data relevant to a particular toll-free number, including:

- a unique toll-free number
- the date the toll-free Service activation or change is to become effective (Effective Date)
- the time the service becomes effective (Time)

SMS/800 FUNCTIONS

3. Service Offerings (Cont'd)

3.1 Services Available to Toll-free Resp Orgs (Cont'd)

3.1.3 Request Reports

Various types of reports are available to the Resp Org. Reports are described in detail in BR 780-004-227, User Guide: 3270 Service Provider Reports, BR 780-004-282, User Guide: Web-Based Reporting System (WRS) and BR 780-004-280, User Guide: Web-Based Access (WBA)   T
N
N

(A) On-line reports are available to specific user classes and can be selected for viewing or printing, depending on the report.

(B) Various off-line reports are also available, including call sampling reports. Where available, the Company will design call sampling studies and reports in accordance with customer specified criteria, selected from criteria described in the documents referenced above.

(C) Exception reports are generated by the SMS/800 whenever the SMS/800 is unsuccessful in its attempt to send a subscriber record to one or more SCPs.

(D) All reports which are printed at a Company location and provided to the Resp Org will be sent via first class U.S. mail unless the Resp Org requests otherwise. If the Resp Org requests that the reports be sent on a expedited basis, the Company will comply with such request and will send the report via an overnight carrier. The overnight carrier will be instructed to bill their shipping charges to the recipient of the expedited reports.

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SMS/800 FUNCTIONS

3. **Service Offerings (Cont'd)**

    3.3 **SMS/800 Access (Cont'd)**

        3.3.2 **Dedicated Terminal Access Requirements (Cont'd)**

        (B) Information Requirements

        When connecting to the SMS/800 on a MGI or non-MGI dedicated basis, the Resp Org must provide certain information to the SMS/800 Data Center. The address and telephone number are:

        > 3199 Pilot Knob Road
        > Eagan, MN 55121
        > Phone: 888-767-3300, Option 2

        Information to be provided is identified in UIS-SMS-201 SMS/800 Data Center Network Connectivity Guide, which can be obtained   T
        from the SMS/800 website, www.sms800.com, or by contacting the SMS/800 Data Center.

        3.3.3 **Mechanized Generic Interface (MGI) Access Requirements**

        The Resp Orgs may also elect to interface with the SMS/800 on a mechanized basis. The SMS/800 Mechanized Generic Interface (MGI) facilitates the transfer of number administration and customer record administration data between SMS/800 and other Operations Systems (OSs) belonging to the Resp Org in order to support the various operations functions performed by SMS/800. The interface is a two-way interface in the sense that data will flow to and from an OS.

        The SMS/800 to OS interface consists of five protocol layers: (1) the physical layer; (2) the link layer; (3) the packet layer; (4) a User Application Layer (UAL); and (5) the User Program Layer (UPL). The physical, packet, and link layers comprise the Transport Service, which provides an error-free communication path for the transfer of data between sites. It relieves application layers of any concern about the way in which reliable data transfer is achieved. UAL provides the Application Service functionality, which performs the necessary high-level protocol functions not supplied by the Transport Service. The functionality includes request/reply correlation, site-to-site confirmation, message queuing, message priority, message segmentation, and system or link failure/recovery. The UPL is concerned with the specific application messages themselves.

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SMS/800 FUNCTIONS

3. Service Offerings (Cont'd)

3.5 Mechanized Generic Interface (MGI) Testing (Cont'd)

3.5.1 Laboratory Test Requirements

The laboratory test consists of the following test phases: Telcordia Protocol Conformance Testing Facility (verify TCP/IP protocol stack connectivity); User Application Layer (UAL) Testing; User Program Layer (UPL) Testing; and Volume Testing. Detailed testing requirements are set forth in SR-4592   T
Addendum, SMS/800 MGI Industry Test Plan.   T

Any MGI company which expands or enhances its use of MGI access must first complete laboratory testing of the additional functionality, consistent with the above documents.

3.5.2 Field Test Requirements

Field testing will be conducted on a one-on-one basis. Five types of field testing will be conducted. These are: Communications Protocol testing, User Application Layer (UAL) testing, User Programming Layer (UPL) testing, Volume testing and Line Failure/Outage testing. Detailed testing requirements are set forth in SR-4592 Addendum, SMS/800 MGI Industry Test Plan.   T
          D

3.5.3 Test Duration

Initial MGI testing will take approximately four months. Requests for initial MGI testing must be received at least four months in advance of the proposed testing start date. Additional testing may be requested by the Resp Org, with advance notice. When testing is requested, charges will be assessed, on an hourly basis.

3.5.4 Technical References for Testing Requirements

MGI laboratory tests and field tests are described in detail in SR-4592   T
Addendum, SMS/800 MGI Industry Test Plan.   T

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