TFN REGISTRY FUNCTIONS

CHECK SHEET

Title page 1 and Pages 1 through 71 inclusive of this tariff are effective as of the date shown. Original and revised Pages as named below contain all changes from the original tariff that are in effect on the date hereof.

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REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and current issues may be obtained from the Somos website (http://www.somos.com).

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BR 780-004-280   User Guide: Web Based Access (WBA)
Issue 32   October 2018   Available: October 2018   T

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BR 780-004-282   User Guide: Web Based Reporting System (WRS)
Issue 19, Revision 1 October 2018   Available: October 2018   T

ROCGUIDEUSR01   User Guide: Resp Org Change System
Version 12, Issue 1   November 2018   Available: November 2018   T

SMS/800 Toll-Free Number Registry User Guide
Version 3, Issue 1   November 2017   Available: December 2017

SMS/800 Toll-Free Number Registry: API Overview
Version 1.3.7_112, Issue 1 March 2018   Available: March 2018   T

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REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publications are referenced in this tariff and current issues may be obtained from the Somos website (http://www.somos.com).

SR-4592	SMS/800 TFN Registry Mechanized Generic Interface (MGI) Specification		T
Issue 20, Revision 1	October 2018	Available: October 2018	T
SR-4592 Addendum	SMS/800 TFN Registry MGI Industry Test Plan		T
Issue 19, Revision 1	October 2018	Available: October 2018	T
SR-5120	CR Batch Update and Response Specification		
Issue 7, Revision 1	October 2018	Available: October 2018	T
UIS-SMS-201	SMS/800 TFN Registry Data Center Network Connectivity Guide		T
Version 9, Issue 7	November 2018	Available: November 2018	T
ROCSPECWSI01	Resp Org Change (ROC) System Web Service Interface Specification		
Version 2.23, Issue 1	November 2018	Available: November 2018	T
ROCSPECWSI02	Resp Org Change System Notification Subscriber Web Services Interface Specification		
Version 2.19, Issue 1	November 2018	Available: November 2018	T

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2. General Regulations (Cont'd)

  2.1 Undertaking of the Company (Cont'd)

   2.1.7 Provision and Ownership of Toll-free Telephone Numbers

Except as otherwise authorized by the FCC, no individual or entity (e.g.,   T
subscriber/assignee, service provider, etc.) shall acquire any interest in, or
proprietary right to, any toll-free telephone number assigned to the toll-free
subscriber. However, toll-free subscribers and/or their assignees can retain a
specific toll-free number despite changes in Service Providers and/or Resp Orgs.

TFN REGISTRY FUNCTIONS

2. General Regulations (Cont'd)

2.2 Use (Cont'd)

2.2.2 Unlawful Use (Cont'd)

The Federal Communications Commission has directed that the following language be included in this tariff:

(A) (1) [T]he Federal Communications Commission ("FCC") has concluded that warehousing, which the FCC defines as Responsible Organizations, either directly or indirectly through an affiliate, reserving toll free numbers from the SMS database without having an identified toll free subscriber for whom those numbers are being reserved, is an unreasonable practice under Section 201(b) of the Communications Act and is inconsistent with the FCC's obligation under Section 251(e)(1) of the Communications Act to ensure that numbers are made available on an equitable basis; and (2) if a Responsible Organization does not have an identified toll free subscriber agreeing to be billed for service associated with each toll free number reserved from the database, or if a Responsible Organization does not have an identified, billed toll free subscriber before switching a number from reserved or assigned to working status, then there is a rebuttable presumption that the Responsible Organization is warehousing numbers. Responsible Organizations that warehouse numbers will be subject to penalties.

(B) The Federal Communications Commission ("FCC") has concluded that hoarding, defined as the acquisition of more toll free numbers than one intends to use for the provision of toll free service, as well as the sale of a toll free number by a private entity for a fee, is contrary to the public interest in the conservation of the scarce toll free number resource and contrary to the FCC's responsibility to promote the orderly use and allocation of toll free numbers.

The provisions of sections (A) and (B) shall not apply to toll free numbers assigned via competitive bidding or to numbers transferred under this exception.

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TFN REGISTRY 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 TFN Registry 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 TFN Registry in the proper format as specified in   D
BR 780-004-280, User Guide: Web Based Access (WBA), and in   D
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 TFN Registry. The hardware and link specifications for the TFN Registry 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.

TFN REGISTRY FUNCTIONS

3. Service Offerings (Cont'd)

3.1 Service Available to Toll-free Resp Orgs

3.1.1 Number Search and Reservation

The TFN Registry 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 TFN Registry 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 TFN Registry are defined in the SMS/800   T
Toll-Free Number Registry User Guide.   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 TFN Registry and schedule the date and time that the records are to be activated at the affected databases. The TFN Registry 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)

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TFN REGISTRY 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 780-004-282, User Guide: Web-Based Reporting System (WRS) and BR 780-004-280, User Guide: Web-Based Access (W BA).

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(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 TFN Registry whenever the TFN Registry 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 an expedited basis, the Company will comply with such request and will send the report via an overnight carrier, or electronically if requested and such electronic transmission of the report is feasible. The overnight carrier will be instructed to bill their shipping charges to the recipient of the expedited reports.

TFN REGISTRY FUNCTIONS

4. Schedule of Rates and Charges (Cont'd)

4.1 Rate Regulations (Cont'd)

4.1.2 Rate Elements (Cont'd)

(D) Resp Org Reports (Cont'd)

For call sampling reports, a per call sampled charge will apply in addition to the offline report charges. These reports may also be limited as to their availability through SCPs or other service providers. Reports are described in detail in User Guide: Web-Based Reporting System (WRS) (BR 780-004-282).

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4. Schedule of Rates and Charges (Cont'd)

4.2 Rates and Charges

Following are the rates and charges applicable to SMS/800 functions.

		Monthly Rate	Per Request Rate	Nonrecurring Charge	
(A)	Service Establishment				
	- Per Logon ID assigned				
	- First Logon ID			$ 691.09	I
	- Each Additional Logon ID			$ 109.56	I
	- Per Initial, Additional or Replacement Security Key Defined			$ 160.33	I
	- Service restoration (post suspension)			$ 126.03	R
(B)	SMS/800 Access				
	(1) Non-dedicated Access				
	- Per Security Key Defined	$ 28.44			I
	(2) Dedicated Access				
	- Non-MGI Access				
	- Per Port	$ 38.28			I
	- MGI Access				
	- Per Port	$ 203.20			I
(C)	Customer Record Administration				
	- Per Toll-free Number	$ 0.1163			I
(D)	Resp Org Reports				
	(1) On-line				
	- Per report		$ 21.25		R
	(2) Off-line				
	- Per Hour		$ 181.46		I

TFN REGISTRY FUNCTIONS   T

4. Schedule of Rates and Charges (Cont'd)

4.2 Rates and Charges (Cont'd)

	Monthly Rate	Per Request Rate	Nonrecurring Charge	
(E) Mechanized Generic Interface and Web Services Interface Testing and Activation				
- Additional Resp Org Requested Testing				
- Per Staff Hour of Testing			$ 200.00	
(F) Miscellaneous Functions				
(1) Batch Update				
- Per file processed		$ 24.38		I
Batch Update Testing				
- Per Staff Hour of Testing		$ 59.94		I
(2) Resp Org Change Charge				
- Per Request				
- Per Toll-free Number Changed		$ 12.22		I