

Inter-Service Provider LNP Operations Flows

Code Opening Processes Figure 9

NPA-NXX Code Opening

Step	Description
1. NPA-NXX holder notifies NPAC SMS of NPA-NXX Code(s) being opened for porting.	<ul style="list-style-type: none">• The service provider responsible for the NPA-NXX being opened must notify the NPAC SMS via the SOA or LSMS interface within a regionally agreed to time frame.
2. NPAC SMS updates its NPA-NXX databases	<ul style="list-style-type: none">• NPAC SMS updates its databases to indicate that the NPA-NXX has been opened for porting.
3. NPAC SMS sends notification of code opening to all Service Providers via LSMS.	<ul style="list-style-type: none">• The NPAC SMS provides advance notification of the scheduled opening of NPA-NXX code(s) via the LSMS interface.

First TN Ported in NPA-NXX

Step	Description
1. NPAC SMS receives subscription create request for first TN in NPA-NXX	<ul style="list-style-type: none">• Service Provider notifies NPAC SMS to create subscription for the first telephone number in an NPA-NXX.
2. NPAC SMS sends notification of first TN ported to all service providers via SOA and LSMS	<ul style="list-style-type: none">• When the NPAC SMS receives the first subscription create request in an NPA-NXX, it will broadcast a "heads-up" notification to all service providers via both the LSMS and SOA interfaces. Upon receipt of the NPAC message, all service providers, within five (5) business days, will complete the opening for the NPA-NXX code for porting in all switches.

APPENDIX C

**NANC FUNCTIONAL REQUIREMENTS
SPECIFICATION**

**NORTH AMERICAN NUMBERING COUNCIL
LNPA TECHNICAL & OPERATIONAL REQUIREMENTS TASK FORCE
REPORT**

The NANC Functional Requirements Specification (NANC FRS) document is available at the following website:

<http://www.npac.com>

**North American Numbering Council
(NANC)**

Functional Requirements Specification

**Number Portability Administration Center (NPAC)
Service Management System (SMS)**

Version 1.10

May 5~~April 7~~, 1997

Related Publications

NPAC SMS Interoperable Interface Specification (IIS), Version 1.4, February 1, 1997.

Illinois Commerce Commission Number Portability Administration Center and Service Management System Request for Proposal (ICC NPAC/SMS RFP), February 6, 1996.

Generic Requirements for SCP Application and GTT Function for Number Portability, ICC LNP Workshop SCP Generic Requirements Subcommittee.

Generic Switching and Signaling Requirements for Number Portability, version 1.03, ICC LNP Workshop Switch Generic Requirements Subcommittee, September 4, 1996.

Report on Local Number Portability, Industry Numbering Committee (INC).

FCC 96-286 First Report And Order, CC Docket No. 95-116, July 2, 1996.

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0. Preface

This section describes the organization and typographical conventions used within the document.

0.1 Document Structure

This document is organized into sections as defined below:

Preface	This section describes the document structure, conventions, and references used to develop this document.
Section 1	Introduction - This section introduces the project and describes its scope and objectives, constraints, associated assumptions, and related references.
Section 2	Business Process Flows - This section provides the high level processing flows for the NPAC SMS.
Section 3	NPAC Data Administration - This section provides the high level functional requirements related to the NPAC SMS data relationships.
Section 4	Service Provider Data Administration - This section contains the functional requirements for managing service provider information on the NPAC SMS.
Section 5	Subscription Administration - This section contains the functional requirements associated with managing service provider subscriptions for ported numbers on the NPAC SMS.
Section 6	NPAC SMS Interfaces - This section contains the functional requirements associated with the NPAC SMS external interfaces.
Section 7	Security - This section contains the functional requirements for the NPAC SMS system security.
Section 8	Audit Administration - This section contains the functional requirements for NPAC SMS audit administration.
Section 9	Reports - This section contains the functional requirements for NPAC SMS reporting capabilities.
Section 10	Performance and Reliability - This section contains the functional requirements for NPAC SMS system performance and reliability.
Section 11	Billing - This section contains the functional requirements for NPAC SMS usage recording for usage billing.

- Appendix A** This section contains the flow diagrams depicting the NPAC SMS process flows.
- Appendix B** Glossary - This section provides a description of all acronyms and terms used in this document.
- Appendix C** System Tunables - This section provides a list of all system tunables and their default values.

0.2 Abbreviations and Notations

To uniquely identify requirements, this document follows a naming convention where the first character is always a letter denoting whether the item is an assumption (A), a constraint (C) or a requirement (R).

In order to identify all NPAC SMS functional requirements this document incorporates information from three sources: the Illinois NPAC SMS RFP, Lockheed Martin's response to the RFP and requirements definition activities performed with the Illinois Number Portability SMS Subcommittee.

Illinois number of requirements has been adopted for the initial release of the NANC document. In Illinois as requirements were deleted the requirement number and an indication of its deletion were left in the document for tracking purposes. NANC has chosen to leave these deleted requirements in this document for the initial release of the document. Further explanation of the numbering scheme follows.

If the second character is the letter "N", the item is a requirement, assumption or a constraint that was stated in the narrative portion of the RFP and not assigned a number. The number following this character identifies the item's section in the RFP/requirements document.

If the second character is the letter "X", the item is a requirement, assumption or a constraint that was added upon award, and not in the RFP. These items represent clarifications or enhancements to the RFP. The number following this character identifies the item's section in the RFP/requirements document.

If the second character is the letter "R", the item is a requirement, assumption or a constraint that was identified during requirements analysis and verification activities subsequent to award. These items represent clarifications or enhancements to the RFP. The number following this character identifies the item's section in the RFP/requirements document.

The following labels are used to identify assumptions, constraints, and requirements within the document. Each label begins with the letter A, C, or R followed either by a number or letter illustrated below:

A-<nnn>	Is a label for each assumption in the document. Assumptions are conditions that are expected to be true during the design and implementation phases of the project. This is an assumption that was a numbered assumption in the RFP.
AN-<nnn>	This is an assumption that was contained in the narrative text in the RFP.
AP-<nnn>	This is an assumption that was added upon award.

AR-<nnn>	This is an assumption that was identified as a new assumption for the system, during post-award meetings with the Illinois LCC.
C-<nnn>	Is a label for each constraint within the document. Constraints are conditions that restrict the design and implementation scope of the project. This is a constraint that was a numbered constraint in the RFP.
CN-<nnn>	This is a constraint that was contained in the narrative text in the RFP.
CP-<nnn>	This is a constraint that was added upon award.
CR-<nnn>	This is a constraint that was identified as a new constraint for the system, during post-award meetings with the Illinois LCC.
R-<nnn>	Is a label for each requirement in the document. Requirements define the functionality expected of the design and implementation. This is a requirement that was a numbered requirement in the RFP.
RN-<nnn>	This is a requirement that was contained in the narrative text in the RFP.
RX-<nnn>	This is a requirement that was added upon award.
RR-<nnn>	This is a requirement that was identified as a new requirement for the system, during post-award meetings with the Illinois LCC.

Table 0-1 Notation Key

0.3 Document Language

Specific language is used in the document to denote whether a statement is informative or required. The following words have these connotations when used to describe actions or items:

shall	The use of the term "shall" in this document is intended to precede a required statement. Compliance with "shall" must be demonstrated during design review and system acceptance testing.
is, will, should	Use of the terms "is," "will," or "should" in this document is intended to identify guidance or preference. Statements annotated in this manner are to be treated as informative or preference, but not required. Statements following the words "is," "will," or "should" are not a mandatory deliverable for the final system.

Table 0-2 Language Key

1. Introduction

This document defines the functional requirements of the Number Portability Administration Center Service Management System (NPAC SMS) enabling Service Provider Portability.

This introduction gives readers a brief overview of NPAC SMS functionality. It is intended to prepare you for the detailed sections that follow. If you need more information on any particular area, please consult the applicable detailed sections in the remainder of this document or the *NPAC SMS Interoperable Interface Specification*.

This introduction is also meant to convey the basic course of events that give the best understanding of the system. Alternate courses of events (variants of the basic course or error paths) are described in the detailed sections later in this document and in the *NPAC SMS Interoperable Interface Specification*.

1.1 NPAC SMS Platform Overview

The Number Portability Administration Center Service Management System (NPAC SMS) is a hardware and software platform which contains the database of information required to effect the porting of telephone numbers. In general, the NPAC SMS can receive customer information from both the old and new Service Providers (including the new Location Routing Number), validates the information received, and downloads the new routing information when an "activate" message is received indicating that the customer has been physically connected to the new Service Provider's network. The NPAC SMS also contains a record of all ported numbers and a history file of all transactions relating to the porting of a number. The NPAC SMS shall also provide audit functionality and the ability to transmit LNP routing information to Service Providers to maintain synchronization of Service Provider's network elements that support LNP.

1.2 NPAC SMS Functional Overview

1.2.1 Provisioning Service Functionality

The new Service Provider will obtain authorization to port the customer and notify the old Service Provider according to processes internal to the Service Providers. Both the old and new Service Providers can send a notification to the NPAC SMS from their Service Order Administration Systems (SOA). When the NPAC SMS receives the notification(s), it will perform certain validation checks, and attempt to match the notification received from the new Service Provider with a concurring notification that may be sent from the old Service Provider. Assuming the notifications are valid, the two Service Providers will complete any physical changes required. When the new Service Provider due date is reached, the new Service Provider can send an activation notice to the NPAC SMS. The NPAC SMS will broadcast the update out in real time to each local SMS. Upon receiving the update from the NPAC SMS, all Service Providers will update their networks. The NPAC SMS will record any transmission failures and take the appropriate action.

In the case where either the old or new Service Providers did not send a notification to the NPAC SMS, the NPAC SMS will notify the Service Provider from which it did not receive a notification that it is expecting a notification. If it then receives the missing notification and the notifications indicate agreement among the Service Providers, the process proceeds as normal. If it still does not receive a notification and if it is the old Service Provider that failed to respond, the NPAC SMS will log the failure to respond and allow the new Service Provider to proceed with activation when the new Service Provider due date is reached. If it was the new Service Provider that failed to respond, the NPAC will log the failure to respond, cancel the notification, and notify both Service Providers of the cancellation. If there is disagreement among the Service Providers as to who will be providing service for the telephone number, the conflict resolution procedures will be implemented (see Section 1.2.4). Processes for obtaining authorization from the customer to port a number are defined by the Service Providers. The NPAC is not involved in obtaining or verifying customer approval to port a TN.

1.2.2 Disconnect Service Functionality

When a ported number is being disconnected, the customer and Service Provider will agree on a date. The current Service Provider will send an update indicating the disconnect to the NPAC SMS. The NPAC SMS will broadcast the update to all Service Providers based on the disconnect effective date and remove the telephone number from its database of ported numbers. Upon receiving the update, all Service Providers will remove the telephone number from their LNP databases. The NPAC SMS will log the update in history. Calls to the telephone number will be routed as a non-ported number.

1.2.3 Repair Service Functionality

A problem will be detected either by a Service Provider or by a customer contacting a Service Provider.

There will be audit capabilities in the NPAC SMS to aid in isolating problems. If an inaccuracy is found, the NPAC SMS will supply the correct data to any local SMS requesting updates.

1.2.4 Conflict Resolution Functionality

If Service Providers disagree on who will serve a particular line number, the NPAC SMS will place the request in the "conflict" state and notify both Service Providers of the conflict status and the Status Change Cause Code. The Service Providers will determine who will serve the customer via internal processes. When a resolution is reached, the NPAC will be notified and will remove the request from the "conflict" state by the new Service Provider. The new Service Provider can cancel the Subscription Version.

1.2.5 Disaster Recovery and Backup Functionality

If there is unplanned downtime, the NPAC will assess how long the primary machine will be down. The NPAC will notify all of the Service Providers of the situation and planned action by electronic notification and telephone calls to the Service Providers' contact numbers. The Service Providers will attempt to switch to the backup NPAC.

1.2.6 Order Cancellation Functionality

If a Create Subscription has been sent by only the new Service Provider, the new Service Provider may send a message to the NPAC SMS to cancel the Subscription Version. If a Create Subscription has been sent by only the old Service Provider, the old Service Provider may send a message to the NPAC SMS to cancel the Subscription Version. If both Service Providers have sent a Create Subscription, either may send a message to the NPAC SMS to cancel the Subscription Version. If both Service Providers concur with the cancellation, the NPAC SMS will set the Subscription Version to canceled and notify both Service Providers that the Subscription Version has been canceled. If cancellation concurrence is not provided by the new Service Provider the Subscription Version is placed in conflict by the NPAC SMS. If cancellation concurrence is not provided by the old Service Provider, the Subscription Version is set to cancel by the NPAC SMS.

1.2.7 Audit Request Functionality

An audit function will be necessary for troubleshooting customer problems and also as a maintenance process to ensure Subscription Version data integrity across the entire LNP network. Audits will be concerned with the process of comparing the NPAC SMS view of the LNP network's Subscription Version data with one or more of the Service Provider's views of its network. In the case of "on demand" audits, audits may be initiated by any Service Provider who has reason to believe a problem may exist in another Service Provider's network. These audits are executed via queries to the appropriate Service Provider's network, and corrected via downloads to those same networks.

In addition, Local Service Providers will be responsible for comparing database extracts of Subscription data written to an FTP site by the NPAC SMS with their own versions of the same Subscription data.

In a third scenario, the NPAC SMS will select a random sample of active Subscription Versions from its own database, then compare those samples to the representation of that same data in the various Local SMS databases. All three of the methods outlined above are designed to help ensure data integrity across the LNP network.

1.2.8 Report Request Functionality

The NPAC SMS supports report generation for pre-defined and ad-hoc reports. The report generation function creates output report files according to specified format definitions, and distributes reports to output devices as requested. The report distribution service supports distribution to electronic files local/remote printers, e-mail and FAX machines.

1.2.9 Data Management Functionality

The NPAC SMS will support functionality to manage network, Service Provider, and Subscription Version data.

1.2.9.1 NPAC Network Data

The NPAC SMS contains data which defines the configuration of the LNP service and network. This includes such data as: participating Service Providers, NPA-NXXs that are portable, and LRNs associated with each Service Provider.

1.2.9.2 Service Provider Data

The Service Provider data indicates who the LNP Service Providers are and includes location, contact name, security, routing, and network interface information.

1.2.9.3 Subscription Version Data

The subscription data indicates how local number portability should operate to meet subscribers' needs.

1.2.10 NPA-NXX Split Processing

For an impending NPA split, there is no communication between each SOA and the NPAC via an electronic interface (SOA, LSMS, or NPAC Administrative Interface) other than providing the NPAC with the new network data (LRNs and NPA-NXXs), if applicable. The NPAC inputs via the NPAC Administrative Interface the information for the NPA split (the current NPA, the new NPA, and the affected NXXs) plus the beginning and end date of the permissive dialing period. This function of the NPAC Administrative Interface is only available to NPAC Operations personnel. A process will be documented in the M&P document that will define how the NPAC is notified of an impending split. This process should be similar to how the Service Providers are notified of a split today.

NOTE: *Split information input will not be allowed if there are any partially failed or sending subscription versions associated with the old NPA-NXXs.*

The NPAC modifies all of the subscription versions associated with the split to associate the new TN with the subscription version to support the permissive dialing period. No updates or information is sent over the SOA interface or LSMS interface to indicate that a split is occurring.

During the permissive dialing period the NPAC will accept messages with either old or new NPA but broadcasts/downloads with the new NPA only. In addition, all notifications and responses to the SOA system will contain the new NPA only during the permissive dialing period regardless of whether the SOA system is using the old or new NPA in its requests to the NPAC SMS. If a delete request is received, it is broadcast with the new NPA. The subscription version ID that the NPAC SMS is aware of for the TN is used in the messages.

NOTE: *The subscription version ID does not change during a split.*

The NPAC will update its subscription version records when permissive dialing ends to the new NPA. Existing records to the old NPA will be modified so that the NPA is set to the new NPA and the field that held the new NPA during the permissive dialing period is deleted. Any records involved in the split will have any references to the old NPA removed. There are no old or new versions created. An NPA split causes a shift of the data, not creation of a new entity. By definition, NPAC SMS will change identity information for the TN when the NPA is changed. This type of a change would require use of the version ID to find the TN and should not be problematic because the NPAC uses the version ID, not the TN to track subscriptions relative to logs and audit data.

It is incumbent on the LSMS's to recognize that a request for data that is log-related may show TN information that was in effect when the log entry was made (if it was copied into the log, most entries are made by reference to subscription version ID, so this should not be problematic). In essence, the NPAC SMS is performing a modification when doing an NPA split that is a special case because:

1. It is a change to what users consider identity information.
2. The modification occurs over the permissive dialing period.
3. NPAC SMS will recognize both identifiers during the permissive period.

4. NPAC SMS will recognize only the new NPA "shortly" after the end of the permissive period (on the day after the end date, NPAC SMS will perform the operation soon after midnight GMT time).

Based on information from the LERG, the service providers will update their networks/LSMS to accommodate the permissive dialing period and will update the data in their networks/LSMS after permissive dialing ends. There is no communication from the NPAC to cause these updates to occur. No assumptions are made about what the LSMS does during the permissive period to track the NPA-NXX split for a subscription version.

After permissive dialing ends, the service providers can remove any old network data that is no longer valid due to the split (LRNs, NPA-NXXs), if any, via an electronic interface (SOA, LSMS, or NPAC Administrative Interface).

1.3 Background

An industry task force was formed in Illinois in April 1995, pursuant to the Illinois Commerce Commission (ICC) Order on Customers First Plan (Docket 94-0096 dated April 7, 1995), to develop a permanent number portability solution for Illinois. During the year, this task force has made significant progress in defining and resolving the issues related to implementing number portability.

1.4 Objective

The target date for LRN implementation is second quarter 1997.

The objective of this document is to uniquely identify the baseline end-user, functional requirements that define the LNP SMS supporting number portability in LATA 358.

1.5 Assumptions

A1-1 Proportional Billing

The Service Providers will be billed in proportion to their usage of the services provided by the NPAC SMS.

AR1-1 Service Provider ID

All NPAC Customers will obtain a unique Service Provider ID from a proper source.

A1-2 Resource Accounting

The resource accounting measurements will not cause degradation in the performance of the basic functions of the NPAC SMS.

AR3-1 Greenwich Mean Time

Specific time of day references in the Functional Requirements Specification are assumed to be in Greenwich Mean Time (GMT).

AR4-1.1 Service Provider ID

All NPAC Customers will obtain a unique Service Provider ID from a proper source.

AR5-1 Active Status

“Active” status refers to Subscription Versions with either an Active or Disconnect Pending status.

AR5-2 Conflict Resolution Tunable due date value

The time used for the conflict restriction tunable calculation relies on the time value specified in the New Service Provider due date.

AR6-1 Range Activations

A range activate will contain an average of 20 TNs.

AR6-2 Percent of Range Activations

20% of all downloads as specified in R6-28.1, R6-28.2, R6-29.1 and R6-29.2 will be processed via range activations.

A8-1 Service Provider Audits Issued Immediately

NPAC SMS will process audit requests from service providers immediately.

AR10-1 Scheduled Downtime

NPAC initiated downtime as defined in R10-5 does not include downtime needed for software release updates initiated by or collectively agreed to by the Service Providers.

A10-1

DELETE

A10-2

DELETE

A10-3

DELETE

A11-2 Accounting Measurements Will Not Degrade the Basic System Performance

The resource accounting measurements will not cause degradation in the performance of the basic functions of the NPAC.

1.6 Constraints

The following constraints shall be adhered to during the development of the software associated with the requirements within this document.

C1-1 Real Time Call Processing

The NPAC SMS is not involved in real time call processing.

C1-2 Service Provider Activity Tracking

The NPAC SMS is not involved in facilitating or tracking Service Provider-to-Service Provider activities.

CN1-1 Service Provider Portability

Initially, only wireline Service Provider portability will be implemented.

CN2-1.1.1 Interactions between Service Providers are beyond the scope of the NPAC SMS

Processes for obtaining authorization from the customer to port a number are defined by the Service Providers. The NPAC is not involved in obtaining or verifying customer authorization. Details of steps in those processes do not involve the NPAC or NPAC SMS, and are beyond the scope of the NPAC SMS functionality.

CN2-1.3.1 Service provider network change activities are beyond the scope of the NPAC SMS

Details of steps in the processes that do not involve the NPAC or NPAC SMS, such as physical changes performed in the Service Provider's networks, are beyond the scope of the NPAC SMS functionality.

CN2-1.4.1 Service provider's internal activities are beyond the scope of this document

Details of steps in the processes that do not involve the NPAC or NPAC SMS, such as physical changes performed in the Service Provider's networks are beyond the scope of this document.

CN2.1.5.1 Service Provider's Network Change Validation Activities Are Beyond The Scope Of The NPAC SMS

Network testing performed by the Service Providers, such as testing of call processing and testing of Service Provider network elements, is beyond the scope of the NPAC SMS.

CN2-1.6.1 Service provider's internal activities are beyond the scope of this document

Details of steps in the processes that do not involve the NPAC or NPAC SMS, such as updates to data performed in the Service Providers network elements are beyond the scope of this document.

CN2-3.3.1 Service provider's repair activities are beyond the scope of the NPAC SMS

Details of steps in the repair processes that do not involve the NPAC or NPAC SMS, such as the customer's notification of problems, the Service Provider's analysis/troubleshooting activities and the Service Provider's repair activities are beyond the scope of the NPAC SMS functionality.

CN2.4.2.1. Service provider's conflict resolution activities are beyond the scope of the SMS NPAC

Details of steps in the processes that do not involve the NPAC or NPAC SMS, such as conflict resolution escalation and arbitration activities are beyond the scope of this document.

CN2-6.1.1 Interactions between Service Providers are beyond the scope of this document

Processes for obtaining authorization from the customer to port a number are defined by the Service Providers. The NPAC is not involved in obtaining or verifying customer authorization. Details of steps in those processes do not involve the NPAC or NPAC SMS, and are beyond the scope of this document.

2. Business Process Flows

The following process flows indicate how the NPAC SMS is used by the Service Providers in business processes associated with number portability. Specific requirements generated by the process flows are included in the appropriate sections later in the document.

The process flows supported by the NPAC SMS are:

- Service Provisioning
- Service Disconnection
- Service Repair
- Conflict and Conflict Resolution
- Disaster Recovery and Backup
- Service Order Cancellation
- Audit Requests
- Report Requests
- Data Administration Requests

2.1 Provision Service Process

This process flow defines the provisioning flow in which a customer ports a telephone number to a new Service Provider. The service provisioning flow activities are shown in Appendix A, *Flow 2.1 NPAC SMS Provision Service Process*, on page 3.

2.1.1 Service provider-to-service provider activities

The new Service Provider will notify the old Service Provider according to processes internal to the Service Providers.

CN2-1.1.1 Interactions between Service Providers are beyond the scope of the NPAC SMS

Processes for obtaining authorization from the customer to port a number are defined by the Service Providers. The NPAC is not involved in obtaining or verifying customer authorization. Details of steps in those processes do not involve the NPAC or NPAC SMS, and are beyond the scope of the NPAC SMS functionality.

2.1.2 Subscription version creation process

The Subscription Version creation flow activities are shown in Appendix A, *Flow 2.1.2 NPAC SMS Subscription Version Creation Process*, on page 4.

2.1.2.1 Create Subscription Version

When a number is ported, both the old and new Service Providers can send a notification to the NPAC SMS. The NPAC validates the data for each notification and attempts to match the notification with a concurring notification from the other Service Provider. If a notification is missing from either provider after a tunable time period, the NPAC sends a request for the missing notification. If the data provided with the notification is valid, the NPAC SMS creates a pending Subscription Version and awaits the concurring notification. If the data is invalid, the NPAC SMS reports a specific error to the sender of the data and discards the request.

2.1.2.2 Request missing/late notification

If concurring notification or explicit non-concurrence from the *old* Service Provider is not received, the process flows to process 2.1.3, as illustrated in Appendix A, *Flow 2.1 NPAC SMS Provision Service Process*, on page 3. If concurring notification or explicit non-concurrence from the *new* Service Provider is not received, the process flows to 2.6 (Cancel).

2.1.2.3 Final Concurrence Notification to Old Service Provider

The NPAC will send a final concurrence notification to the Old Service Provider who did not send a concurring notification.

2.1.3 Service providers perform physical changes

The two Service Providers involved in the number port will coordinate and perform the physical changes to their respective networks.

CN2-1.3.1. Service provider network change activities are beyond the scope of the NPAC SMS

Details of steps in the processes that do not involve the NPAC or NPAC SMS, such as physical changes performed in the Service Provider's networks, are beyond the scope of the NPAC SMS functionality.

2.1.4 NPAC SMS "activate and data download" process

The NPAC network data broadcast download flow is shown in Appendix A, *Flow 2.1.4 NPAC SMS Activate and Data Download Process*, on page 5.

2.1.4.1 New Service Provider sends activation to NPAC SMS

The new Service Provider sends an activate notification to the NPAC SMS. If the current date is greater than or equal to the new Service Provider due date, the flow continues. Otherwise, broadcast of the activation is rejected.