**Origination Date:** 07/10/18

**Originator:** iconectiv

### Change Order Number: NANC 525

**Description:** MUMP Mass Pooling

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

|  |  |  |
| --- | --- | --- |
| DOC | FRS | IIS |
| Y | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CMIP | GDMO | ASN.1 | NPAC | SOA | LSMS |
| N | N | Y | N | N |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | NPAC | SOA | LSMS |
| N | N | Y | N | N |

**Business Need**

The FRS requirement concerning the layout of the Mass Update Mass Porting (MUMP) file template that can be used to upload MUMP data to be used as input for MUMP jobs is at a high level and does not accurately identify the file layout nor the true scope of MUMP capabilities supported or needed. Also see change order NANC 524 for a near term view of MUMP File formats and PIM 107.

MUMP users have expressed additional needs for MUMP File formats and functionality, including:

* Identify the layout of the MUMP File spreadsheets in the NPAC SMS FRS so that they are available in the public domain. A separate, doc-only change order, NANC 532, identifies the MUMP File spreadsheets in an FRS appendix that represent the most current view of the MUMP capability available through submitting MUMP Files for processing.
* Expand the type of Jobs supported in the MUMP process to include Mass Pooling (NPA-NXX-X create and Number Pool Block (NPB) create), and Mass De-Pooling (NPA-NXX-X delete, which deletes the NPB). This is the subject of this change order, NANC 525.
* Support specifying multiple email addresses in the MUMP spreadsheets that can receive notifications associated with processing MUMP jobs. A separate change order, NANC 536, addresses this capability.
* Provide a way for a service provider doing Mass Creates or Mass Releases to more easily concur with the other provider’s due date for inter service provider ports using MUMPs (e.g., indicate to use the other provider’s due date if different the due date in the spreadsheet), if needed. A separate change order, NANC 537, addresses this capability.

**Description of Change:**

Changes detailed below.

**FRS:**

Change Order NANC 532, associated with MUMP File Formats, describe the MUMP worksheets used to sumbit MUMP Jobs in an Appendix of the NPAC SMS FRS, but will also impact requirement **RR3-780** in the FRS that describes specific MUMP File formats and layouts. Requirement **RR3-780** requires further updates to indicate that Mass Block Creates and Mass Block Deletes will also be supported Mass porting actions

Below is how requirement RR3-780 is reflected in the NANC 532 doc-only change order to document the current MUMP Workbook worksheets. Red-lines indicate how this requirement will need to change to support additional functionality described in this new change order to support Mass Pooling.

[snip]

**RR3-780 Mass Update File Upload Capability – Template**

NPAC Low-Tech Interface and/or NPAC Admin Interface shall accept file data from a spreadsheet template as input data for a Mass Update Mass Porting (MUMP) request (also known as a job). (previously NANC 444, Req 1, NANC 532)

Note: The accepted formats will be all standard MS-Excel (xlsx).

The spreadsheet template shall include header data to describe general information about the MUMP job to be performed (also known as Job Information) as well as Detail Data to define the SVs or Blocks involved (Selection Criteria) and specific information about those SVs or Blocks (e.g., LRN) to be used for the MUMP job (Request Data), if needed.

The content and layout of each MUMP spreadsheet template is as defined in **Appendix I** of the FRS including a description of how various spreadsheet templates are combined into Workbooks.

The Types of MUMP Jobs supported are:

* Mass Update – SV: perform a Modify action for the SVs identified by the specified TNs and/or TN ranges
* Mass Update – NPB: perform a Modify action for the NPBs identified by the specified NPA-NXX-Xs and/or NPA-NXX-X ranges
* Mass Port-SV Create: perform a New SP Create action for the specified TNs and/or TN ranges
* Mass Port-SV Release: perform an Old SP Create action for the specified TNs and/or TN ranges
* Mass Port-SV Activate: perform an Activate action for the SVs identified by the specified TNs and/or TN ranges
* Mass Port-SV Disconnect: perform a Disconnect action for the SVs identified by the specified TNs and/or TN ranges
* Mass Port-SV Cancel: perform a Cancel action for the SVs identified by the specified TNs and/or TN ranges
* Mass Port-SV Create – Activate: perform a New SP Create action on the Scheduled Date for the specified TNs and/or TN Ranges. Then NPAC automatically performs Activate action for the SVs identified by the TNs and/or TN ranges on the New SP Due Date.
* Mass Port-Pooling – perform an NPA-NXX-X create for the specified NPA-NXX-Xs on the Scheduled Date and automatic NPAC creation of the associated Number Pool Blocks on the NPA-NXX-X Effective Date - this type of Job must have Job Management Mode as “NPAC”, i.e., be managed by NPAC
* Mass Port-De-Pooling – perform an NPA-NXX-X delete for the specified NPA-NXX-Xs on the Job Scheduled Date causing NPAC to first Delete the associated Number Pool Block(s) and then Delete the NPA-NXX-X - this type of Job must have Job Management Mode as “NPAC” , i.e., be managed by NPAC

Note: there is another type of MUMP Job spreadsheet template that is supported but is not uploaded on the LTI nor NPAC Admin GUI. It is the Mass Update – By Attribute Job Type, where the NPAC performs a Modify action for the SVs and/or Blocks that match the specified Attribute(s), e.g., for SVs/Blocks that have a specified LRN, update those SVs/Blocks to modify the CNAM DPC to a specified value. It is sent to NPAC personnel (e.g, via SFTP) and NPAC personnel will enter the information from the spreadsheet on the NPAC Admin interface. Its layout is also described in Appendix I. Note that LTI users can enter this type of MUMP Request directly on the LTI without using the spreadsheet template, but if NPAC Users want the NPAC to enter the Mass Update – By Attribute Job on their behalf, then they need to send this template to NPAC personnel and NPAC personnel will enter this information on the NPAC Admin interface.

[snip]

In FRS Appendix I that identifies the MUMP Spreadsheet Templates and their associated Workbooks, do the following:

* Add new templates in the MUMP Job Templates Workbook for the Mass Port-Pooling and Mass Port-De-Pooling Job Types.

In Appendix I, description of the MUMP Job Templates Workbook, indicate these pooling templates will be supported:

* **MUMP Job Templates Workbook** – a workbook that supports both Mass Update and Mass Port Jobs where the Selection Criteria is a TN / TN Range or Number Pool Block / Number Pool Block Range. In addition to Mass Updates for SVs or Blocks, this type of MUMP workbook supports Mass Porting job types for SV Create (New SP Create), SV Release (Old SP Create), SV Activate, SV Disconnect, SV Cancel, and SV Create – Activate. Pooling (NPA-NXX-X and Number Pool Block Create) and De-Pooling (NPA-NXX-X delete, which deletes the Number Pool Block also). The Mass Action will apply to the SVs/Blocks identied by the TN / TN range or Block / Block range. An LTI or Admin user uses the GUI to request a MUMP Workbook be loaded in NPAC SMS and subsequently processed by NPAC SMS.

In Appendix I.1 describing the templates in the MUMP Job Templages Workbook, for the description of the Job Information, update the template to support a Block Holder Contact Name field. Also, note that the Other SPID Suppression field does not apply to Mass Update-NPB, Mass Port-Pooling, and Mass Port-Depooling Job Types

* Block Holder Contact Name – a contact name (for reporting purposes) associated with the Block Holder; required.
* Other SPID Suppression – suppress notifications to the Other SPID involved in the mass porting action; optional; this field is not applicable to Mass Update-NPB, Mass Port-Pooling and Mass Port-De-Pooling Job Types.
* Also, the SPID field in Job Information represents the Block Holder SPID.

Create 2 new sub sections in Appendix I for describing the new Mass Port-Pooling and Mass Port-De-Pooling Job Types.

**Appendix I.1.1.9 Mass Port – Pooling**

Each row represents a Number Pool Block identified by the selection criteria of a Block (NPANXXX), followed by Request Data for the NPA-NXX-X network data and number pool block data to be created. The NPA-NXX-X data is created on the scheduled date specified in the Job Information and Number Pool Block is created on the NPA-NXX-X Effective Date specified in the Request Data. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per NPA-NXX-X)
2. NPA-NXX-X – selection criteria; required. Identifies the NPANXXX associated with NPA-NXX-X network data and Number Pool Block data to be created
3. NPA-NXX-X Effective Date – required
4. SOA Origination Indicator – optional
5. SV Type – conditional, required if supported by the Block Holder SPID
6. LRN – required
7. CLASS DPC – optional
8. CLASS SSN – optional
9. LIDB DPC – optional
10. LIDB SSN – optional
11. CNAM DPC – optional
12. CNAM SSN – optional
13. ISVM DPC – optional
14. ISVM SSN – optional
15. WSMSC DPC – optional
16. WSMSC SSN – optional
17. Alternative SPID – optional
18. Last Alternative SPID – optional
19. Alt-End User Location Value – optional
20. Alt-End User Location Type – optional
21. Alt-Billing ID – optional
22. Voice URI – optional
23. MMS URI – optional
24. SMS URI – optional

**Appendix I.1.1.10 Mass Port – De-Pooling**

Each row represents a Number Pool Block identified by the selection criteria of a Block (NPANXXX) to be deleted. There is no Request Data for a Mass Port – De-Pooling Job Type. The NPA-NXX-X data is deleted on the scheduled date specified in the Job Information which causes the Number Pool Block data to be deleted and then the NPA-NXX-X network data to be deleted. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per NPA-NXX-X)
2. NPA-NXX-X – selection criteria; required. Identifies the NPANXXX associated with NPA-NXX-X network data and Number Pool Block data to be deleted.

In Appendix I.1.2, the Data Dictionary for the MUMP Job Templates Workbook, add the following entries for template fields introduced to support Mass Port-Pooling and De-Pooling:

* Block Holder Contact Name – required, 1-50 alphanumeric characters including blank and special characters except for the pipe character, required for Mass Port-Pooling and De-Pooling
* NPA-NXX-X – required, 7 numeric characters, required for Mass Port-Pooling and De-Pooling
* NPA-NXX-X Effective Date – required, M(M)/D(D)/YYYY, required for Mass Port-Pooling, time will default to 00:00:00 CST but stored in GMT
* SOA Origination Indicator – optional, default is blank (representing FALSE). Allowed value of TRUE or blank (FALSE); if set to True, Number Pool Block notifications will be sent to the Block Holder SOA.