**Origination Date:** 11/6/2018

**Originator:** iconectiv

### Change Order Number: NANC 532

**Description:** MUMP File Formats – Doc Only Change

**Functional Backwards Compatible:** Yes

**IMPACT/CHANGE ASSESSMENT**

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| XML | XIS | XSD | NPAC | SOA | LSMS |
| N | N | N | 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 in use. There is a need to identify the specific formats of the MUMP File spreadsheets in the requirements so that all vendors and service providers can understand and build support for specific formats used. Therefore, a description of the MUMP spreadsheets will be documented in an Appendix of the NPAC SMS FRS. Also see change order NANC 524 for a near term view of MUMP File formats and PIM 107, as well as NANC 525 associated with a longer term view of MUMP capabilities..

**Description of Change:**

Changes detailed below.

**FRS:**

The FRS Requirement that describes the MUMP File Format, Requirement **RR3-780,** will be simplified to point to a new appendix, Appendix I, of the FRS that will describe the MUMP File Workbook worksheet formats needed for each type of MUMP action that can take place. The new Appendix I will also be defined below.

[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 TBD)

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.

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]

Add a new appendix to the FRS to describe the MUMP Workbook Layouts, where a Workbook is a collection of MUMP Spreadsheets

**APPENDIX I. MUMP Workbook Layouts**

The MUMP Workbook is an excel-based file where each MUMP Job, identified by Job Type, is specified in a worksheet Tab of the workbook. Although the MUMP Workbook may contain multiple worksheet tabs (Job Types), only one particular worksheet is allowed for a specific Job Type (e.g., an SV Disconnect Job Type may only appear in one worksheet in the MUMP workbook).

Note, two types of MUMP Workbooks are 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. 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.
* **Mass Update by Attribute Job Templates Workbook** - a workbook that supports a MUMP Job where the Selection Criteria is by attribute (e.g., by LRN) where SVs or Blocks that match the specified attribute(s), will be updated with the Request data specified (e.g., for all SVs that currently have an LRN of 222-222-2222 (selection criteria), update the SV and change the CNAM DPC to “111222111” (request data)). This type of MUMP workbook only supports Mass Update action for SVs and/or Blocks. This type of Workbook can not be uploaded on the LTI nor NPAC Admin Interface and must be sent to NPAC personnel, e.g., via SFTP, and NPAC Personnel will enter the Mass Update request via the NPAC Admin Interface.

The excel spreadsheet template for each MUMP Job Type is described in the remainder of this Appendix, organized by Workbook. Each Workbook description consists of general Job Information – which has a common layout across each Job Type, followed by Job Type specific information, and ending with a Data Dictionary. The Data Dictionary contains the terms and fields identified in the Job Information and Job Type specific sections of the Workbook.

**APENDIX I.1 MUMP Job Templates Workbook**

MUMP Job Templates Workbook supports Job Types that NPAC users may submit themselves using the NPAC LTI or may submit to NPAC Personnel for NPAC Personnel to submit via the NPAC Admin Interface.

**Job Information**

The following Job Information is common to any Job Type. All Job Information is the same across the two types of MUMP Workbooks, except the Time Zone field does not appear in the Mass Update By Attribute Workbook.



The above example depicts the Job information associated with a MUMP job, in particular a Mass Update – SV Job Type. Certain fields are fixed and cannot be changed (e.g., Job Type is determined by the particular Job Type template chosen). The data that can be input for Job Information is as follows (please see the data dictionary in Appendix I.1.2 for more details of each field):

* NPAC Region – NPAC region for the workbook; required; The SPID and NPAC region (and Initiator SPID, if used) must be the same for every Job Type in the workbook.
* SPID – SPID associated with the mass actions for the Job Type; required. The SPID and NPAC region (and Initiator SPID, if used) must be the same for every Job Type in the workbook. SPID represents either the NSP, OSP, current SP depending on the job type.
* Time Zone – Time zone for the Job type; required
* Service Provider E-Mail Address – a single email address to receive notifications concerning execution of the Job Type; required
* Case Number – an identifier; conditional. Required if Job Management Mode is NPAC. Case Number + Job Name + SPID must be unique.
* Job Name – you can use the default Job Name provided as is, or append a customer specific identifier in the “Append default name with” field to the default Job Name provided, or you may overwrite the default by populating a Job Name in the “Your Job Name” field; required
* Job Management Mode – indicates whether the NPAC LNPA will manage MUMP Job or the LTI user will manage the MUMP Job; required
* Scheduled Date/Time – indicates the date/time that the submitter would like the MUMP Job to be executed; required.
* Initiator SPID – SPID who is initiating this request; conditional. Required if any of the following Notification Suppression indicators are populated. May be the same as the SPID specified above who is associated with the Mass actions or may be one of its configured delegates.
* Initiator Suppression – suppress notifications to the initiator; optional.
* Request SPID Suppression – suppress notifications to the Request SPID; optional.
* Other SPID Suppression – suppress notifications to the Other SPID involved in the mass porting action; optional

**Appendix I.1.1 Job Type Specific Data – MUMP Job Templates Workbook**

For every Job Type (e.g., Mass Update – SV), the remaining rows in the spreadsheet represent Selection Criteria and corresponding Request Data used to perform the Job Type action on the current SV or Block object(s) identified by the Selection Criteria with the Request Data specified for that Selection Criteria, if needed). When Request Data is required for a Job Type, enter a value in a Request data field to specify the data that should be in that field on the SV or Block object(s). Enter a Null (specific format of |<null>|) to remove the existing value from that field on a Modify Action (if a field permits a null value, e.g., an LRN cannot be nulled out). Leave the field blank to not change the field on a Modify operation.

**Appendix I.1.1.1 Mass Update – SV**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY), followed by Request Data that is to be modified. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to modify
3. SV Type – optional
4. LRN – optional. LRN cannot be a pseudo-LRN (all 0s).
5. CLASS DPC – optional; note, if any DPC is specified, its corresponding SSN must also be specified.
6. CLASS SSN – optional
7. LIDB DPC – optional
8. LIDB SSN – optional
9. CNAM DPC – optional
10. CNAM SSN – optional
11. ISVM DPC – optional
12. ISVM SSN – optional
13. WSMSC DPC – optional
14. WSMSC SSN – optional
15. Alternative SPID – optional
16. Last Alternative SPID – optional
17. Alt-End User Location Value – optional
18. Alt-End User Location Type – optional
19. Alt-Billing ID – optional
20. Voice URI – optional
21. MMS URI – optional
22. SMS URI – optional
23. Billing ID – optional
24. End User Location Value – optional
25. End User Location Type – optional

Although all Request Data are optional, at least one Request Data field must be populated or an error will result. Also, if any DPC is specified, its corresponding SSN must also be specified.

**Appendix I.1.1.2 Mass Update – NPB**

Each row represents a Number Pool Block identified by the selection criteria of a Block (NPANXXX), or a range of Number Pool Blocks identified by the selection criteria of a Block range (NPANXXX-Y), followed by Request Data that is to be modified. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per NPB/NPB Range)
2. NPB/NPB Range – selection criteria; required. Identifies the NPANXXX or NPANXXX-Y range associated with Number Pool Block(s) to modify
3. SV Type – optional
4. LRN – optional. LRN cannot be a pseudo-LRN (all 0s).
5. CLASS DPC – optional
6. CLASS SSN – optional
7. LIDB DPC – optional
8. LIDB SSN – optional
9. CNAM DPC – optional
10. CNAM SSN – optional
11. ISVM DPC – optional
12. ISVM SSN – optional
13. WSMSC DPC – optional
14. WSMSC SSN – optional
15. Alternative SPID – optional
16. Last Alternative SPID – optional
17. Alt-End User Location Value – optional
18. Alt-End User Location Type – optional
19. Alt-Billing ID – optional
20. Voice URI – optional
21. MMS URI – optional
22. SMS URI – optional

Although all Request Data are optional, at least one Request Data field must be populated or an error will result. Also, if any DPC is specified, its corresponding SSN must also be specified.

**Appendix I.1.1.3 Mass Port - SV Create**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY), followed by Request Data that is to be created by the New Service Provider specified as the Job Information SPID. For all optional Request fields, either leave blank or populate a value. Note, if any DPC is specified, its corresponding SSN must also be specified.

The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to create
3. Old Service Provider ID – required
4. LNP Type – required
5. New Service Provider Due Date – required
6. Porting-To-Original Indicator – required
7. New SP Medium Timer Indicator – conditional - required if supported by SPID
8. SV Type – conditional – required if supported by SPID
9. LRN – conditional – required if Port-To-Original Indicator is False
10. CLASS DPC – optional
11. CLASS SSN – optional
12. LIDB DPC – optional
13. LIDB SSN – optional
14. CNAM DPC – optional
15. CNAM SSN – optional
16. ISVM DPC – optional
17. ISVM SSN – optional
18. WSMSC DPC – optional
19. WSMSC SSN – optional
20. Alternative SPID – optional
21. Last Alternative SPID – optional
22. Alt-End User Location Value – optional
23. Alt-End User Location Type – optional
24. Alt-Billing ID – optional
25. Voice URI – optional
26. MMS URI – optional
27. SMS URI – optional
28. Billing ID – optional
29. End User Location Value – optional
30. End User Location Type – optional

**Appendix I.1.1.4 Mass Port - SV Release**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY), followed by Request Data that is to be created (released) by the Old Service Provider specified as the Job Information SPID. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to release
3. New Service Provider ID – required
4. Old Service Provider Authorization – required
5. Old Service Provider Due Date – required
6. Old SP Medium Timer Indicator – conditional - required if supported by SPID
7. Status Change Cause Code – conditional - required if Old Service Provider Authorization is False

**Appendix I.1.1.5 Mass Port - SV Activate**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY) to be activated. There is no Request data associated with an SV Activate. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to activate

**Appendix I.1.1.6 Mass Port - SV Disconnect**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY), followed by Request Data that is to be disconnected. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to disconnect
3. Customer Disconnect Date – required
4. Effective Release Date - optional

**Appendix I.1.1.7 Mass Port - SV Cancel**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY) to be canceled. There is no Request data associated with an SV Cancel. The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to cancel

**Appendix I.1.1.8 Mass Port - SV Create-Activate**

Each row represents an SV identified by the selection criteria of a TN (NPANXXXXXX), or a range of SVs identified by the selection criteria of a TN range (NPANXXXXXX-YYYY), followed by Request Data that is to be created by the New Service Provider specified as the Job Information SPID and then automatically activated by the NPAC. The SVs will be created on the Scheduled Date/Time in the worksheet and NPAC automatically activates the SVs on the New SP Due Date. For all optional Request fields, either leave blank or populate a value. Note, if any DPC is specified, its corresponding SSN must also be specified.

The fields (columns) in each row are as follows:

1. Fixed Instructional Information (one line per TN/TN Range)
2. TN/TN Range – selection criteria; required. Identifies the TN or TN range associated with SV(s) to create
3. Old Service Provider ID – required
4. LNP Type – required
5. New Service Provider Due Date – required
6. Porting-To-Original Indicator – required
7. New SP Medium Timer Indicator – conditional - required if supported by SPID
8. SV Type – conditional – required if supported by SPID
9. LRN – conditional – required if Port-To-Original Indicator is False
10. CLASS DPC – optional
11. CLASS SSN – optional
12. LIDB DPC – optional
13. LIDB SSN – optional
14. CNAM DPC – optional
15. CNAM SSN – optional
16. ISVM DPC – optional
17. ISVM SSN – optional
18. WSMSC DPC – optional
19. WSMSC SSN – optional
20. Alternative SPID – optional
21. Last Alternative SPID – optional
22. Alt-End User Location Value – optional
23. Alt-End User Location Type – optional
24. Alt-Billing ID – optional
25. Voice URI – optional
26. MMS URI – optional
27. SMS URI – optional
28. Billing ID – optional
29. End User Location Value – optional
30. End User Location Type – optional

**Appendix I.1.2 Data Dictionary - MUMP Job Templates Workbook**

The following describes each field that can appear in a MUMP Job TemplatesWorkbook, either in the general Job Information portion of a worksheet or in the Job Type specific detail of a worksheet. The data dictionary provides format and validation information for data attributes, in alphabetical order.

Note: R=required, O=optional, C=conditional. The Format specified below is validated for each data attribute populated.

General Notes and Assumption (not specific to a field):

* A field populated with an invalid format results in an error, whether it is required or optional. Any format error results in a message that the Workbook must be corrected before processing.
* For Mass Update-SV and Mass Update-NPB, all Request Data are optional, but each data row must have at least one optional field populated or an error will result.
* Invalid data due to a mismatch of supported Customer Profile settings at job execution results in the data row not being processed.

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Attribute** | **R/O/C** | **Format** | **Added Validation(s), if applicable** |
| Alt-Billing ID | O | Alphanumeric (1-4) |  |
| Alt-End User Location Type | O | Numeric (2) |  |
| Alt-End User Location Value | O | Numeric (1-12) |  |
| Alternative SPID | O | Alphanumeric (4) |  |
| Billing ID | O | Alphanumeric (1-4) |  |
| Case Number | C | Alphanumeric (10) of form REQnnnnnnn, where REQ is a set prefix and nnnnnnn is Numeric (7) | Required if Job Management Mode=NPAC; Unique for a SPID; Case Number + Job Name + SPID must be unique (when Case Number specified) |
| Customer Disconnect Date | R | M(M)/D(D)/YYYY HH:MM | Uses Time Zone selected at the top of the worksheet. |
| DPC | O | Numeric (9) Defined: 3-digit Network Identifier (NI), 3-digit Network Code (NC), 3-digit Network Cluster Member (NCM) Allowed Values: NI: 001-255 NC: 000-255 NCM: 000-255 | For **SV Create**: Not populated when PTO=True. On a worksheet, if provided, a pair DPC/SSN of attributes must both be given a value, both left blank, or both specified as |<null>|, as allowed. |
| Effective Release Date | O | M(M)/D(D)/YYYY HH:MM | Uses Time Zone selected at the top of the worksheet. |
| End User Location Type | O | Numeric (2) |  |
| End User Location Value | O | Numeric (1-12) |  |
| Initiator SPID | C | Alphanumeric (4) | Must be populated if any Suppression Indicator is set to a value other than "blank". Where populated, Initiator SPID must be the same on worksheets in the workbook. |
| Initiator Suppression | O | Allowed Value: True "blank" = False, means no suppression | No validation: Select from dropdown. |
| Job Management Mode | R | Allowed values: LTI, NPAC | No validation: Select from dropdown. |
| Job Name | R | Alphanumeric (1-100), including special chars and spaces. Default: <Region>\_<SPID>\_<Job Type> *where if Job Type is a Mass Port, it is appended with -Mass Port Type*. | Default generated (user will append text to make unique ***OR*** overwrite with own job name): Region specified for the MUMP job SPID specified for the MUMP job Job Type specified for the MUMP job Mass Port Type specified for the MUMP job - only if Job Type is Mass Port; Case Number + Job Name + SPID is unique (when Case Number specified); Job Name + SPID is unique (when Case Number not specified) |
| Job Type | R | Fixed value, Sheet name: Mass Update - SV Mass Update - NPB Mass Port - SV Create Mass Port - SV Release Mass Port - SV Activate Mass Port - SV Disconnect Mass Port - SV Cancel Mass Port - SV Create-Activate |  |
| Last Alternative SPID | O | Alphanumeric (4) |  |
| LNP Type | R | Allowed values: 0, 1 Definition of allowed values: 0 for LSPP - Local Service Provider Portability 1 for LISP - Local Intra-Service Provider Portability | **SV Release**: LNP Type = 0 (LSPP) only. [Not populated on worksheet.] |
| LRN | C | Numeric (10) Defined: 3-digit NPA, 3-digit NXX, 4-digit Station Number | Different per sheet/job type: For Mass Update - SV: Optional, but, if populated, must be an active LRN, meaning LRN ≠ 0000000000. For Mass Update - NPB: Optional, but, if populated, must be an active LRN, meaning LRN ≠ 0000000000. For SV Create or SV Create-Activate: Conditional - **Required** if PTO (Porting-to-Original)=False: --Active-LRN if LNP Type=(0) LSPP --Pseudo-LRN or Active-LRN if LNP Type=(1) LISP - **Not allowed** if PTO (Porting-to Original)=True. |
| MMS URI | O | Alphanumeric (1-255), including special chars except pipe (|) |  |
| New Service Provider Due Date | R | M(M)/D(D)/YYYY HH:MM | Uses Time Zone selected at the top of the worksheet; NSP Due Date >= Scheduled Date |
| New Service Provider ID | R | Alphanumeric (4) | New SPID (NSP) For **SV Releas**e: NSP not = SPID. |
| New Service Provider Medium Timer Indicator | C | ***Required if supported*** Allowed values: T or True F or False [upper or lower case allowed] |  |
| NPB | O | NPANXXX | NPB/NPB Range - no overlap/unique |
| NPB Range | O | NPANXXX-Y | NPA-NXX-X through NPA-NXX-Y Y must be greater than X |
| Old Service Provider Authorization | R | Allowed values: T or True F or False [upper or lower case allowed] |  |
| Old Service Provider Due Date | R | M(M)/D(D)/YYYY HH:MM | Uses Time Zone selected at the top of the worksheet. |
| Old Service Provider ID | R | Alphanumeric (4) | Old SPID (OSP) For **SV Create**: When LNP Type=LSPP(0), then OSP not=SPID. When LNP Type=LISP(1), then OSP=SPID. |
| Old Service Provider Medium Timer Indicator | C | Allowed values: T or True F or False [upper or lower case allowed] |  |
| Other SPID Suppression | O | Allowed values:  "blank" = No suppression Suppress Provider Suppress Delegates Suppress Provider and Delegates | No validation: Select from dropdown. |
| Porting-To-Original | C | Allowed values: T or True F or False [upper or lower case allowed] | For **SV Create**: PTO is required. |
| Region | R | Allowed values: NE, MA, SE, MW, SW, WE, WC | No validation: Select from dropdown. |
| Request SPID Suppression | O | Allowed values: "blank" = No suppression Suppress Provider Suppress Delegates Suppress Provider and Delegates | If Initiator SPID is populated and = [Job] SPID, only choice of "Suppress Delegates" or "blank" is allowed. |
| Scheduled Date/Time | R | (M)M/(D)D/(YY)YY (h)h:mm | Processed in the predominant Time Zone of the Region: NE, MA, SE - ET MW, SW - CT WE - MT WC - PT Is the date and time to start executing the job and can be no earlier than the date the Excel workbook is uploaded. Use 00:00 for time for immediate processing on the scheduled date (current or future). |
| Service Provider E-Mail Address | R | [Format: *local-part@domain*](mailto:local-part@domain) | Validate per industry standards: local-part up to 64 char entire email address no more than 254 char |
| Service Provider ID (SPID) | R | Alphanumeric (4) | SPID/Region must be the same on all worksheets in the workbook. |
| SMS URI | O | Alphanumeric (1-255), including special chars except pipe (|) | For **SV Create**: Not populated when PTO=True. |
| SSN | O | Numeric (3) Allowed Value: 000-255 | For **SV Create**: Not populated when PTO=True. On a worksheet, if provided, a pair DPC/SSN of attributes must both be given a value, both left blank, or both specified as |<null>|, as allowed. |
| Status Change Cause Code | C | Allowed values: 50, 51, 52, 53, 54 Definition of allowed values: 50 - LSR/WPR Not Received 51 - Initial Confirming FOC/WPRR Not Issued 52 - Due Date Mismatch 53 - Vacant Number Port 54 - General Conflict | **For SV Release**: Required if OSP Authorization is populated and = False. [Not populated for True.] |
| SV Type | C | Allowed Values: 0, 1, 2, 3, 4, 5, 6 Definition of allowed values, if populated: 0 - Wireline 1 - Wireless 2 - Class 2 VoIP 3 - VoWIFI 4 - Prepaid Wireless 5 - Class 1 or 2 VoIP (number resource eligible) 6 - Type 6 | Different per sheet/job type: For **SV Create**: Not populated when PTO=True. For **Mass Update - SV**: Optional. For **Mass Update - NPB:** Optional. |
| Time Zone | R | Allowed values: UTC, ET, CT, MT, PT | No validation: Select from dropdown. Used for Job data only; not used for scheduled date. |
| TN | O | NPANXXXXXX | TN/TN Range - no overlap/unique |
| TN Range | O | NPANXXXXXX-YYYY | NPA-NXX-XXXX through NPA-NXX-YYYY YYYY must be greater than XXXX |
| Voice URI | O | Alphanumeric (1-255), including special chars except pipe (|) | For **SV Create**: Not populated when PTO=True. |

**APENDIX I.2 Mass Update by Attribute Job Templates Workbook**

The Mass Update by Attribute Job Templates Workbook supports the Mass Update By Attribute MUMP Job Type. Although NPAC LTI users can directly enter this type of MUMP Job in the LTI, if NPAC Users want NPAC Personnel to enter and manage this type of MUMP Job, they must send this workbook to NPAC Personnel (e.g., via SFTP) for submittal. Currently this is the only Job Type supported in this Workbook.

**Job Information**

Job information for this workbook and its layout is the same as the Job information in the MUMP Job Templates Workbook that can be submitted via the LTI or NPAC Admin Interface as described in Appendix I.1 above, except the Time Zone field does not appear in the Mass Update By Attribute Job Templates Workbook. Also, the Job Management Mode must always be set to “NPAC” in this workbook.

**Appendix I.2.1 Job Type Specific Data - Mass Update by Attribute Job Templates Workbook**

Currently the only Job Type supported in this Workbook is Mass Update By Attribute. The information provided by the user to perform the Mass Update is Selection Criteria to identify the SVs/Blocks that are to be updated and Request Data identifying what fields on the identified SVs/Blocks are to be updated. When Request Data is entered, enter a value in a Request data field to specify the data that should be in that field on the SV or Block object(s). Enter a Null (specific format of |<null>|) to remove the existing value from that field on a Modify Action (if a field permits a null value, e.g., an LRN cannot be nulled out). Leave the field blank to not change the field on a Modify operation.

**Appendix I.2.1.1 Mass Update – By Attribute**

In the Mass Update – By Attribute Worksheet, outside the general Job Information described above, there are only two rows where data can be entered: a row for Selection Criteria and a Row for Request Data. SVs and Blocks that match the data specified in the Selection Criteria row will be updated with the data specified in the Request Data row.

The Selection Criteria row is organized as follows. Note, unlike Request Data, if a DPC is specified as a selection criteria, its corresponding SSN does not need to be specified.

1. Fixed Instructional Information (Selection Criteria)
2. TN/TN Range – selection criteria; optional. Identifies the TN or TN range associated with SV(s) and/or Block(s) to modify (if the TN Range specified encompasses one or more blocks, then those blocks will be modified if the contain data matching the other selection criteria specified)
3. SV Type – optional
4. LRN – optional. LRN can be a pseudo-LRN (all 0s).
5. LNP Type - optional
6. CLASS DPC – optional
7. CLASS SSN – optional
8. LIDB DPC – optional
9. LIDB SSN – optional
10. CNAM DPC – optional
11. CNAM SSN – optional
12. ISVM DPC – optional
13. ISVM SSN – optional
14. WSMSC DPC – optional
15. WSMSC SSN – optional
16. Billing ID – optional
17. End User Location Value – optional
18. End User Location Type – optional

Although all Selection Criteria are optional, at least one Selection Criteria field must be populated or an error will result.

The Request Data row is organized as follows:

1. Fixed Instructional Information (SV/NPB Modify Request Data)
2. Empty non-enterable field
3. SV Type – optional
4. LRN – optional. LRN cannot be a pseudo-LRN (all 0s).
5. Empty non-enterable field
6. CLASS DPC – optional
7. CLASS SSN – optional
8. LIDB DPC – optional
9. LIDB SSN – optional
10. CNAM DPC – optional
11. CNAM SSN – optional
12. ISVM DPC – optional
13. ISVM SSN – optional
14. WSMSC DPC – optional
15. WSMSC SSN – optional
16. Billing ID – optional
17. End User Location Value – optional
18. End User Location Type – optional
19. Voice URI – optional
20. MMS URI – optional
21. SMS URI – optional
22. Alternative SPID – optional
23. Last Alternative SPID – optional
24. Alt-End User Location Value – optional
25. Alt-End User Location Type – optional
26. Alt-Billing ID – optional

Although all Request Data are optional, at least one Request Data field must be populated or an error will result. If any DPC is specified, its corresponding SSN must also be specified.

**Appendix I.2.2 Data Dictionary – Mass Update by Attribute Job Templates Workbook**

The following describes each field that can appear on Mass Update – By Attribute Job Templates Workbook worksheets. The data dictionary provides format and validation information for data attributes, in alphabetical order, for data in the workbooks. This data dictionary applies to both types of MUMP Workbooks.

Note: R=required, O=optional, C=conditional. The Format specified below is validated for each data attribute populated.

Since this type of spreadsheet is not uploaded into the GUI but rather data from the spreadsheet is entered into the NPAC Admin GUI, NPAC Personnel will contact the submitter if errors are detected in entering or processing the Mass Update Request.

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Attribute** | **R/O/C** | **Format** | **Added Validation(s), if applicable** |
| Alt-Billing ID | O | Alphanumeric (1-4) |  |
| Alt-End User Location Type | O | Numeric (2) |  |
| Alt-End User Location Value | O | Numeric (1-12) |  |
| Alternative SPID | O | Alphanumeric (4) |  |
| Billing ID | O | Alphanumeric (1-4) |  |
| Case Number | R | Alphanumeric (10) of form REQnnnnnnn, where REQ is a set prefix and nnnnnnn is Numeric (7) | The Case Number is provided when Mass Update / Mass Port Catalog item is submitted or by calling the NPAC Porting Services Team when a request is opened. |
| DPC (*CLASS, LIDB, CNAM, ISVM, WSMSC*) | O | Numeric (9) Defined: 3-digit Network Identifier (NI), 3-digit Network Code (NC), 3-digit Network Cluster Member (NCM) Allowed Values: NI: 001-255 NC: 000-255 NCM: 000-255 | \*For Search Criteria, both DPC/SSN attribute values are not required for a given GTT. \*For SV/NPB Modify Request Data, both DPC/SSN attributes must be given a value, both left blank, or both specified as |<null>|, for a given GTT Type as allowed. |
| End User Location Type | O | Numeric (2) |  |
| End User Location Value | O | Numeric (1-12) |  |
| Initiator SPID | C | Alphanumeric (4) | Must be populated if any Suppression Indicator is set to a value other than "blank". |
| Initiator Suppression | O | Allowed Value: True "blank" = False, means no suppression | No validation: Select from dropdown. |
| Job Management Mode | R | NPAC | Fixed value (locked) |
| Job Name | R | Alphanumeric (1-100), including special chars and spaces. Default: <Region>\_<SPID>\_<Job Type> | The Job Name can be appended using “Append default name with” to make unique OR overwritten using “Your Job Name” with own job name |
| Job Type | R | Mass Update-By Attribute | Fixed value (locked) |
| Last Alternative SPID | O | Alphanumeric (4) |  |
| LNP Type | O | Allowed values: 0, 1 Definition of allowed values: 0 for LSPP - Local Service Provider Portability 1 for LISP - Local Intra-Service Provider Portability |  |
| LRN | O | Numeric (10) Defined: 3-digit NPA, 3-digit NXX, 4-digit Station Number | Search Criteria – LRN is Optional, but, if populated, an active LRN or a Pseudo-LRN (LRN=0000000000) may be specified if supported by the requesting SPID. |
| MMS URI | O | Alphanumeric (1-255), including special chars except pipe (|) |  |
| Other SPID Suppression | O | Allowed values:  "blank" = No suppression Suppress Provider Suppress Delegates Suppress Provider and Delegates |  |
| Region | R | Allowed values: NE, MA, SE, MW, SW, WE, WC |  |
| Request SPID Suppression | O | Allowed values: "blank" = No suppression Suppress Provider Suppress Delegates Suppress Provider and Delegates | If Initiator SPID is populated and = [Job] SPID, only choice of "Suppress Delegates" or "blank" is allowed. |
| Scheduled Date/Time | R | (M)M/(D)D/(YY)YY (h)h:mm | Processed in the predominant Time Zone of the Region: NE, MA, SE - ET MW, SW - CT WE - MT WC - PT The Scheduled Date/Time must be equal to or greater than the date the form is sent to NPAC. |
| Service Provider E-Mail Address | R | [Format: *local-part@domain*](mailto:local-part@domain) | Entire email address must contain no more than 254 characters. |
| Service Provider ID (SPID) | R | Alphanumeric (4) |  |
| SMS URI | O | Alphanumeric (1-255), including special chars except pipe (|) |  |
| SSN (*CLASS, LIDB, CNAM, ISVM, WSMSC*) | O | Numeric (3) Allowed Value: 000-255 | \*For Search Criteria, both DPC/SSN attribute values are not required for a given GTT. \*For SV/NPB Modify Request Data, both DPC/SSN attributes must be given a value, both left blank, or both specified as |<null>|, for a given GTT Type as allowed. |
| SV Type | O | Allowed Values: 0, 1, 2, 3, 4, 5, 6 Definition of allowed values, if populated: 0 - Wireline 1 - Wireless 2 - Class 2 VoIP 3 - VoWIFI 4 - Prepaid Wireless 5 - Class 1 or 2 VoIP (number resource eligible) 6 - Type 6 |  |
| TN | O | NPANXXXXXX |  |
| TN Range | O | NPANXXXXXX-YYYY | NPA-NXX-XXXX through NPA-NXX-YYYY YYYY must be greater than XXXX |
| Voice URI | O | Alphanumeric (1-255), including special chars except pipe (|) |  |