Change Order Form

**Origination Date** (mm/dd/yyyy): 12/07/2021

**Originator(s)**: iconectiv

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**(NOTE: Originator(s) to complete this section of the form along with Sections 1, 2 and 3)**

1. **CO Name/Description: Limit Delegation Configurations via M&P – Doc Only**

**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 |

1. **Business Need:**

As described in PIM 140, service provider SPIDs are currently allowed to be delegates of other service provider SPIDs. However, no two service provider SPIDs have entered into a delegation arrangement since the delegation functionality was introduced in late 2013. Supporting the ability of service provider SPID to be a delegate of another service provider SPID requires relatively complex processing logic for notifications in the NPAC. This complex processing has not been utilized for 8 years. During meetings of the APT in 2021, no member of the group could determine a business scenario that would utilize the ability of a service provider SPID to be a delegate of another service provider SPID.

In discussions at the APT, the group agreed to recommend updates to M&Ps that would prohibit a service provider SPID – based on Service Provider Type – from being a delegate of another service provider SPID. This change contains updates to the FRS document to note that the ability of a service provider SPID to be a delegate of another service provider SPID may be limited by M&Ps.

This change does not affect the ability of non-service-provider SPIDs to be delegates of service provider SPIDs.

As described in PIM 141, there is currently no limit to the number of delegate SPIDs that may be configured for a single grantor SPID. Adding delegate SPIDs can significantly increase the overall volume of notifications generated by the NPAC, as notifications to a grantor SPID may also be sent to each of its delegate SPIDs.

In discussions at the APT, the group agreed to recommend updates to M&Ps that would limit the quantity of delegate SPIDs that can be configured for a single grantor SPID. This change contains updates to the FRS document to note that the quantity of delegate SPIDs that may be configured for a single grantor SPID may be limited by M&Ps.

This change does not affect the quantity of grantor SPIDs to which a single delegate SPID may be associated.

1. **Description of Change:**

Update the FRS as highlighted below.

**RR6-238 XML Message Delegation – Relationship Establishment**

NPAC SMS shall provide a mechanism for NPAC Personnel to establish the SOA delegation relationship of a delegate SPID to a request SPID via the NPAC Administrative Interface. (Previously NANC 372, Req 33)

Note: The SOA delegation relationship can be from ~~any~~ one SPID to ~~any~~ one other SPID. Delegation applies to the XML SOA and NPAC Low-Tech Interface, not to the LSMS. The ability to make a SPID with Service Provider Type of Wireline (0), Wireless (1), or Class 1 Interconnected VoIP (3) a delegate of another SPID with Service Provider Type of Wireline (0), Wireless (1), or Class 1 Interconnected VoIP (3) may be prohibited by M&Ps. The quantity of delegate SPIDs that can be associated to a single grantor SPID may be limited by M&Ps.