**Origination Date:** 11/05/2019

**Originator:** iconectiv

### Change Order Number: NANC 550

**Description:** Billing ID and Alt-Billing ID Consistency

**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 optional Billing ID field on SVs is defined in the FRS as a variable 1-4 *alphanumeric* character field, while the Alt-Billing ID field is defined as a variable 1-4 character field (with no limitation that the characters be alphanumeric). Also, the optional Alternatvie SPID is defined in the FRS as a 4 *alphanumeric* character field, while the Last Alternatvie SPID field is defined as a 4 character field (with no limitation that the characters be alphanumeric). Every instance of an SV or Number Pool Block in the NPAC database that has the Alt-Billing ID or Last Alternative SPID field populated only has it populated with alphanumeric characters. In the spirit of normalizing and correcting documentation for the transition, iconectiv believes that the data definition of these two similar fields should be standardized.

Also see PIM 127.

**Description of Change:**

Modify the FRS Data Dictionary Definitions of the Alt-Billing ID field in **Table 3-7** Subscription Version Data Model and **Table 3-9** Number Pool Block Holder Information Data Model to indicate that it can only consist of alphanumeric characters, similar to the Billing ID field.

**Table 3-7** Subscription Version Data Model changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Last Alternative SPID | C (4) |  | An alphanumeric code which identifies the Last Alternative SPID for a Subscription Version.  This field may be specified only if the service provider SOA supports Last Alternative SPID. The Last Alternative SPID is the SPID of the subtending Service Provider having the retail relationship with the end user. |

|  |  |  |  |
| --- | --- | --- | --- |
| Alt-Billing ID | C (4) |  | An alphanumeric code which identifies the Alt-Billing ID for a Subscription Version.  This field may only be specified if the service provider SOA supports Alt-Billing ID. |

**Table 3-9** Number Pool Block Holder Information Data Model changes:

|  |  |  |  |
| --- | --- | --- | --- |
| Last Alternative SPID | C (4) |  | An alphanumeric code which identifies the Last Alternative SPID for a Number Pool Block.  This field may be specified only if the service provider SOA supports Last Alternative SPID. The Last Alternative SPID is the SPID of the subtending Service Provider having the retail relationship with the end user. |

|  |  |  |  |
| --- | --- | --- | --- |
| Alt-Billing ID | C (4) |  | An alphanumeric code which identifies the Alt-Billing ID for a Number Pool Block.  This field may only be specified if the service provider SOA supports Alt-Billing ID. |

Modify the Optional Data XML Schema to add comments identifying that the Alt-Billing ID (and Alt SPID) fields are alphanumeric.

**XML - US**

<?xml version="1.0" encoding="UTF-8"?>

<xs:schema xmlns:xs="<http://www.w3.org/2001/XMLSchema>" elementFormDefault="qualified" attributeFormDefault="unqualified">

<!-- Basic Data Types -->

<xs:simpleType name="NumberString">

<xs:restriction base="xs:string">

<xs:pattern value="[0-9]{0,}"/>

</xs:restriction>

</xs:simpleType>

<!-- SPID must be alphanumeric characters only -->

<xs:simpleType name="SPID">

<xs:restriction base="xs:string">

<xs:length value="4"/>

</xs:restriction>

</xs:simpleType>

<!-- Second Level Data Types -->

<xs:simpleType name="EULV\_DATATYPE">

<xs:restriction base="NumberString">

<xs:minLength value="1"/>

<xs:maxLength value="12"/>

</xs:restriction>

</xs:simpleType>

<xs:simpleType name="EULT\_DATATYPE">

<xs:restriction base="NumberString">

<xs:length value="2"/>

</xs:restriction>

</xs:simpleType>

<!-- BID\_DATATYPE must be alphanumeric characters only -->

<xs:simpleType name="BID\_DATATYPE">

<xs:restriction base="xs:string">

<xs:minLength value="1"/>

<xs:maxLength value="4"/>

</xs:restriction>

</xs:simpleType>

<xs:simpleType name="Generic-URI">

<xs:restriction base="xs:string">

<xs:minLength value="1"/>

<xs:maxLength value="255"/>

</xs:restriction>

</xs:simpleType>

<xs:complexType name="OptionalData">

<xs:all>

<xs:element name="ALTSPID" type="SPID" nillable="true" minOccurs="0"/>

<xs:element name="ALTEULV" type="EULV\_DATATYPE" nillable="true" minOccurs="0"/>

<xs:element name="ALTEULT" type="EULT\_DATATYPE" nillable="true" minOccurs="0"/>

<xs:element name="ALTBID" type="BID\_DATATYPE" nillable="true" minOccurs="0"/>

<xs:element name="VOICEURI" type="Generic-URI" nillable="true" minOccurs="0"/>

<xs:element name="MMSURI" type="Generic-URI" nillable="true" minOccurs="0"/>

<xs:element name="SMSURI" type="Generic-URI" nillable="true" minOccurs="0"/>

<xs:element name="LALTSPID" type="SPID" nillable="true" minOccurs="0"/>

</xs:all>

</xs:complexType>

<xs:element name="OptionalData" type="OptionalData"/>

</xs:schema>