**AltSPID – LastAltSPID field population**

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**Background:**

The AltSPID (Alternative SPID) parameter was added to the Optional Data field of the Subscription Version in NANC 399 – SV Type and Alternative SPID. This AltSPID parameter was introduced to allow Service Providers having a wholesale business relationship with subtending Service Providers, such as resellers or class 2 interconnected VoIP providers, to identify the subtending Service Provider.

After the AltSPID was implemented, a need to separately identify the subtending Service Provider having the wholesale business relationship with the network Service Provider and the subtending Service Provider having the retail business relationship with the end user resulted in the introduction of the LastAltSPID (Last Alternative SPID) parameter (NANC 438 – Last Alternative SPID). The LastAltSPID could be used to indicate the Service Provider having the retail relationship with the end user while the AltSPID could be used to represent the Service Provider having the wholesale relationship with the network Service Provider.

**Documentation Referenced/Related:**

* NANC-399- SV Type and Alterative SPID Fields



* NANC 438 – Last Alternative SPID



* PIM 138 – AltSPID Population



* PIM 133 – NPAC Data Population for Fraud Identification



**Decisions/Recommendations**

These fields AltSPID and LastAltSPID are optional but provide useful information to assist in identifying the non-facility-based carrier and/or the retail provider. When these fields are populated, it is important that they are populated in a consistent manner to allow for accurate interpretation by recipients of the data. Reseller SPIDs, for use in the AltSPID or LastAltSPID data element of an SV, are created in NPAC’s network data only upon an NPAC User’s request.  Consistent with the historical use of an entity’s OCN as the entity’s NPAC SPID, the industry strongly encourages each reseller to obtain an OCN from NECA for use as an NPAC SPID.  This in turn allows the identity of a reseller associated with a ported number to be displayed as that number’s “Alternative SPID.”  Notwithstanding this strong industry preference, an NPAC User can request that the NPAC assign an Alternative SPID to a reseller in NPAC’s network data; that Alternative SPID then could be used in the AltSPID or LastAltSPID fields to identify the non-facility-based carrier of reseller associated with a ported number.  These Alternative SPIDs are values that NECA does not assign as OCNs.

The AltSPID represents the Service Provider having a wholesale relationship with the network Service Provider.

The LastAltSPID represents the Service Provider having the retail relationship with the end user.

**Benefits/Use Cases**

Population of the AltSPID and LastAltSPID fields has benefits. The use of the AltSPID and LastAltSPID optional fields, if populated, could help industry call authentication efforts to affect the correct Attestation Level for a call by identifying the subtending Service Provider for a TN or the Service Provider having the retail relationship with the end-user. This information could be utilized to identify which entity could best verify the association of the caller to the telephone number being used as the Caller ID.

In addition data populated in these optional fields can be utilized in conjunction with other data sources to mitigate financial fraud by validating possession of the device, ownership and behavior of the customer.

Below are recommended uses for the AltSPID and LastALTSPID fields in the NPAC.

* AltSPID, when populated, may indicate a subtending Service Provider serving the telephone number. The subtending Service Provider obtained the TN from a wholesale provider, which is the same as the network provider. Facility and non-facility-based carriers could be Alternative SPIDs for TNs.
* AltSPID is populated with the TRS provider’s SPID when the fields are utilized for iTRS service.
* The LastAltSPID, when populated, indicates the identity of the Service Provider having the retail relationship with the end-user.
* Both AltSPID and LastAltSPID may be populated with the same SPID value in the case where there is only one subtending Service Provider and that fact is known.

**The AltSPID and LastAltSPID fields are optional and therefore population is not mandatory. However, use of the fields as mentioned above can be beneficial and it is therefore recommended that the AltSPID and LastAltSPID fields, when populated, should be utilized consistent with the aforementioned Use Cases.**