**Research on Company Codes, OCNs and SPIDs**

The following information was gathered internally at Neustar and is provided for discussion as it may pertain to SHAKEN governance structure and certificate management:

1. Company Codes are assigned only by NECA
2. Company Codes have different categories and only some of these are permissible for direct assignment of numbering resources from NANPA or the PA
3. OCNs are either Company Codes assigned by NECA or OCNs assigned for other purposes
4. Service Provider SPIDs in NPAC are a subset of NECA-assigned OCNs (these NECA-assigned OCNs have categories that are permissible for direct assignment of numbering resources from NANPA or the PA)
5. Service Provider SPIDs above are SOA SPIDs and those that can create, modify and delete SV records in the NPAC
6. X-SPIDs are SPIDs in NPAC but have no relationship to any of above and are assigned by NPAC administrator (currently, Neustar)
7. LSMS SPIDs can be X-SPIDs