**NANC 315**

**FRS Document Only Change – NSAP Field Size**

**Origination Date :**08/10/2000

**Originator:**ESI

**Description:**

A problem with the NSAP field in the Service provider Network Data was uncovered during NPAC Release 3.0 testing.

Currently in the FRS the NSAP is declared to be a field of size 20 (Table 3-4). In the ASN.1 the NSAP field is declared to be 20 octets with a potential to hold 40 digits in binary. The current usage by SOA and LSMS applications is to send 24 digits for the 12 digit RFC1006 address header and the 12 digit IP address and append 16 zero’s to fill the rest of the field since the optional port number is not currently used.

In previous releases of the NPAC software the zeros were truncated. NPAC Release 3.0 did not truncate the zeros so failures occurred when Service Providers sent a CustomerModify request to the NPAC.

The NPAC software has been updated so that the zeros are truncated as in the past. We now need to make a document only change to the FRS to declare the NSAP field to be 24 digits, and document the NSAP field usage in the IIS.

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| The table needs to be amended as follows (change is in large type, bolded and italized):

|  |  |
| --- | --- |
| **npac customer Network Address DATA MODEL**  |    |
|    |    |    |    |    |
| **Attribute Name**  | **Type (Size)**  | **Required**  | **Description**  |
| NPAC Customer Network Address ID  | N  | Ö  | A unique sequential number assigned upon creation of the Network Address record.  |
| NPAC Customer ID  | C (4)  | Ö  | An alphanumeric code which uniquely identifies an NPAC Customer.  |
| Network Address Type  | C (1)  | Ö  | Type of Network Address.  Valid values are: * S  -  SOA interface
* L  -  Local SMS interface

  |
| NSAP Address  | Address ***(12*** )  | Ö  | OSI Network Service Access Point Address  |
| TSAP Address  | Address (4)  |    | OSI Transport Service Access Point Address.  |
| SSAP Address  | Address (4)  | Ö  | OSI Session Service Access Point Address.  |
| PSAP Address  | Address (4)  | Ö  | OSI Presentation Service Access Point Address.  |
| Internet Address  | Address (12)  |    | Internet address of the Service Provider Web interface.  |
|    |    |    |    |    |

 Table 3-4  NPAC Customer Network Address Data Model |

**Final Resolution:**

Aug 00 – It was decided that the document only change should be made in the FRS to declare the NSAP field size to be 12 octets (24 digits in binary) and that another change order to update the ASN.1 should be opened.

Change Order NANC 316 will be opened to cover the ASN.1 change.

Sept 00 – Move the document to the Next Document Release Change Order section of the Accepted Change Orders and add the table with the updated information.

**Related Release:**

3.0.2

**Status:** Implemented