

## **Binary for Linux - TUP**

### **Release Notes for Version 4.00**

#### **1. Overview**

This is the first release since V3.03 and is functionally equivalent to that release. This release is developed for use with the SS7 Development Package for Linux V5.00 or later. It cannot be used with earlier development packages.

Customers who wish to make use of the Large Message support offered in V5.00 of the development package should upgrade to this release of software (Large Message support is required for SCCP Segmentation). Other customers need not upgrade.

#### **2. Changes**

##### **2.1 Use of Linux shared library**

This release makes use of shared library version of the GCT library included in V5.00 of the development package. The module has not been changed to support Large Messages itself but it does permit the module to be used in an environment where Large Messages are being used.

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## **Binary for Linux - TUP**

### **Release Notes for Version 4.02**

#### **1. Overview**

This release allows coded and decoded Access Transport data in the SSUTR2 'domaine d'information d'accès' field to handle single byte parameters. Additionally when the TUPGOP\_IEO\_CTRL option is set the entire 'domaine d'information d'accès' field is recovered to the Access Transport parameter.

This is the first release since V4.00 and is fully backwards compatible with that release.

#### **2. Changes**

##### **2.1 SSUTR2 - Single octet information elements**

TUP will now accept Q.931 single octet information elements when they are received in the 'domaine d'information d'accès' field of SSUTR2 messages. Previously these octets, if present, caused the message to be rejected.

Information elements for User Service Information and User to User Information in the 'domaine d'information d'accès' field are recovered to their own CALPPN\_USINF (0x1d) and CALPPN\_UUINF (0x20) parameters (see TUP Programmer's Manual). All other information elements in the 'domaine d'information d'accès' field are recovered to the Access Transport parameter CALPPN\_AT (0x03). The recovered Access Transport parameter can define multiple information elements, both tag/length/data encoded and single octet, stored in the order recovered from the message.

Similarly, the User can specify data for the 'domaine d'information d'accès' field of a message for transmission using the CALPPN\_USINF, CALPPN\_AT and CALPPN\_UUINF parameters. The module will send the parameters in the field order as listed. The CALPPN\_AT parameter accepts multiple information elements, both tag/length/data and single octet encoded.

##### **2.2 SSUTR2 - TUPGOP\_IEO\_CTRL option with CALPPN\_AT**

The run-time per circuit group configuration option TUPGOP\_IEO\_CTRL allows the SSUTR2 'domaine d'information d'accès' field to be mapped to the Access Transport CALPPN\_AT parameter (see TUP Programmer's Manual).

The functionality of this option has been changed so that User Service Information and User to User Information in the 'domaine d'information d'accès' field is now recovered to the Access Transport CALPPN\_AT parameter. For previous releases this data was discarded.

As was previously the case, CALPPN\_USINF or CALPPN\_UUINF parameters set by the User are ignored when the TUPGOP\_IEO\_CTRL option is set. The user must specify any User Service Information and User to User Information in the CALPPN\_AT parameter.

Use of the TUPGOP\_IEO\_CTRL option is recommended for use with 'domaine d'information d'accès' data and allows full, unambiguous access to the data. When the TUPGOP\_IEO\_CTRL option is used:

1. The entire 'domaine d'information d'accès' field is returned as received, allowing code shift flags set using a single octet information elements to be interpreted. Without the option set, a shift flag before User Service Information or User to User Information could be misinterpreted (since they are returned as separate parameters).
2. The order of sending the User Service Information, Access Transport and User to User Information elements is no longer fixed by the module and can be changed.

The following SSUTR2 messages support the 'domaine d'information d'accès' in the above parameters:

ACF, EAR, FIU, MCE, MIF, MUU, RAU, RIU

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