

Agenda Item:

Source: T2 (SWG6)

Title: Proposed outline Liaison statement to other WGs on Service Capabilities

Introduction

This document contains proposed text to be used as a basis for liaison statements to be sent to other working groups, requesting details of the service implementation capabilities required for release 99, to support service capabilities as agreed in S1. In the absence of an official liaison statement from S1, the Service Capabilities identified below have been prepared based on two proposed liaison statements from S1 to T2 (S1-99376 see annex, & 3G TR 21.904 v0.0.3), both listing a similar set of standardised service capabilities, albeit in different formats.

Not all of the service capabilities listed below impact on all aspects of the UMTS standard. It is therefore proposed in final liaison statements, only to mention the service capabilities that are relevant to the addressed working group. For example, the MExE relates only to the work of T2. The support of narrowband speech relates to R1, R2 and S4, but not to T2. The LS to T2 should therefore mention MExE, but not narrowband speech.

SWG6 is invited to agree the proposed text (or a modified version thereof) to be included in LSs to be sent to other working groups, requesting identification of service implementation capabilities. It is understood that additional working group specific, text may be added to the final LSs to individual working groups where appropriate. SERI considers that the amount of information required to describe the implementation of all possible service capabilities, is too great to expect complete responses from all individual working groups. SWG6 is therefore asked to consider the priority assigned to each of the identified service capabilities, and to highlight in subsequent LSs the priority with which the identified service capabilities should be dealt.

Proposed generic text of liaison statements

The following terminal service capabilities are among those agreed by S1 to be standardised as part of the 1999 release of the UMTS standard. None of the capabilities identified below are mandatory in the terminal and unless otherwise stated, the support of one service in a terminal does not imply a requirement to support any other service. The requirements for the capabilities listed below, are elaborated in TS 22.100 which itself makes references to definitions of the capabilities in other 22.1xx specifications, as indicated.

T2 requests TSG "X" WG "Y" to identify the implementation capabilities within its technical domain, that are required in addition to the previously identified baseline implementation capabilities, to support the following service capabilities:

Details of standardised Service Capabilities to be included as appropriate

In 3G TS 22.105:

- Speech (AMR)
- Emergency Call (Note that support of Emergency call is mandatory for terminals supporting narrowband speech)
- Short Message Service - Point to Point (SMS-PP)
- Short Message Service - Cell Broadcast (SMS-CB)
- Fax
- Circuit Switched data with information transfer rate and quality attributes (e.g. Bit Error Ratio, Maximum transfer delay, Delay variation, etc.) as defined in 22.105 (Note, may be redefined according to new definitions in 23.907)
- Packet Switched data with information transfer rate and quality attributes (e.g. Bit Error Ratio, Maximum transfer delay, Delay variation, etc.) as defined in 22.105 (Note, may be redefined according to new definitions in 23.907)
- GSM system features
 - Network Identity and Time Zone (NITZ)
 - Support of Localised Service Area (SoLSA)

- Unstructured Supplementary Service Data (USSD)

Supplementary services GSM R'99. Examples:

- Call Forwarding (02.82)
- Advice of Charge (02.86)
- Explicit Call transfer (02.91)

In 3G TS 22.121:

- Mobile station Execution Environment (MExE)
- Location Services (LCS)
- SIM Application Toolkit (SAT)

TSG T WG2 asks TSG "X" WG "Y" to deal with [appropriate text to be inserted here] with the greatest priority. TSG T WG2 looks forward to receiving details of the required physical layer service implementation capabilities by its 5th meeting (September 6-10, 1999).

Annex A Text from S1-99 376

Terminal and Service Capabilities for R'99

In the 22.xxx specifications unless otherwise stated, none of the identified terminal capabilities are mandatory in the terminal and the support of one service in a terminal does not imply a requirement to support any other service. The R'99 requirements for the terminal capabilities listed below are elaborated in TS 22.100, however this specification makes references to definitions of the capabilities in other 22.1xx specifications, as indicated below.

Basically, the terminal capabilities can be divided into five main categories:

Tele-services (defined in 22.105)

- Speech
- Emergency Call
- Short Message Service - Point to Point (SMS-PP)
- Short Message Service - Cell Broadcast (SMS-CB)
- Fax

Bearer Services

- Defined by their attributes as described in 22.105 (Note, may be redefined according to new definitions in 23.907):
 - Information transfer attributes (e.g. Connection mode, Information transfer rate, etc.)
 - Information quality attributes (e.g. Bit Error Ratio, Maximum transfer delay, Delay variation, etc.)

Supplementary services

- Defined in GSM R'99. Examples:
 - Call Forwarding (02.82)
 - Advice of Charge (02.86)
 - Explicit Call transfer (02.91)

Service capabilities (defined in 22.121)

- Mobile station Execution Environment (MEExE)
- Location Services (LCS)
- *(Customised Application for Mobile network Enhanced Logic (CAMEL) - Not relevant for terminal)*
- SIM Application Toolkit (SAT)

GSM system features (defined in 22.105)

- Network Identity and Time Zone (NITZ)
- Support of Localised Service Area (SoLSA)
- Unstructured Supplementary Service Data (USSD)

We hope this information will assist you in your goals to achieve stable specifications for the terminal capabilities.