TSG-RAN Working Group 2 (Radio layer 2 and Radio layer 3)
Sophia Antipolis, France, 16 - 20 August 1999

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Agenda Item:

Source: TSG T WG2

Title: Liaison statement to TSG RAN WG2 on Service Capabilities

Document for:

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TSG T WG2 would like to thank TSG R WG2 to cooperate with us on investigations of terminal capabilities. On this LS, a basic set of service capabilities which R2 requested on R2-99502/T2-99465 is shown. It is requested that R2 would identify service implementation capabilities according to the service capabilities mentioned below. Furthermore T2 is awaiting R2's reply to R2-99640/T2-99589 where R2 is asked to investigate some questions regarding combination of modes and / or systems, and a list of baseline implementation capabilities R2 shows on R2-99319 / T2-99397.

The following terminal service capabilities are among those agreed by S1 to be standardized 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 RAN WG 2 to identify the implementation capabilities (if any) within its technical domain, that are required in addition to the previously identified baseline implementation capabilities, to support the following service capabilities:

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 Localized 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)

We would like to confirm GSM system features, Supplementary services, MExE and SAT have no requirements in R2's technical domain and ask you to identify service implementation capabilities according to service capabilities except them.

TSG T WG2 asks TSG RAN WG2 to deal with the default speech service, SMS-PP & CS data services up to 16 kbps and at 64 kbps with the highest priority. TSG T WG2 also considers the support of Packet Switched services, to be a matter of priority, and requires details of related service implementation capabilities when information on the associated data rate and quality attributes, has been made available by TSG SA WG2. TSG T WG2 looks forward to receiving answers of the required service implementation capabilities by its 6th meeting (August 16-20, 1999).