

TSG-SA Working Group 1 (Services) meeting #2
Edinburgh, Scotland 9th-12th March 1999

TSGS1#2(99)134

Agenda Item: 7.3.8
Source: Coordinator
Title: Quality of Service Requirements
Document for: Information & Discussion

Title

Quality of Service Requirements

Intended Output

Report

Impact on Other Technical Specifications and Technical Reports

This report may recommend changes to TS 22-05.

Technical Scope

UMTS 22.05 states requirements on bearer services and attributes, including QoS parameters.

The implementation of QoS mechanisms is specified by other groups. Experience from ETSI/SMG sub-groups has shown that it has been difficult to achieve a total correlation between QoS requirements and mechanisms respectively.

To improve this situation, this Work Item is defined to carefully study and formulate QoS requirements to both fulfill the needs of users and applications, and to give the necessary freedom for other groups to select the most appropriate implementation mechanisms(s).

QoS requirements need to be formulated to fulfill the needs of users and applications. To ensure that this will be the case, a working procedure shall be used including a careful analysis of those needs.

The QoS requirements shall be formulated such that higher level requirements in, e.g., UMTS 22.00 and UMTS 22.01 are fulfilled, e.g. regarding which types of applications to be supported and which types of external networks to be able to connect to.

The formulation of the QoS requirements needs to be done very carefully in a way that is independent of the implementation; both to force a consideration of what is needed rather than what technical options exist, and to provide a constant reference document which can allow for the technical evolution of the underlying network. This would then allow technical experts in other groups to select the most appropriate implementation mechanism(s) based on clearly expressed needs.

Impact on Other 3GPP Work Items

This report may be converted into a technical report at a later date and may identify changes to TS 22-05.

Schedule of Tasks to be Performed.

Task	Planned Start	Planned Finish
Work Item Creation	15/2/99	23/2/99
Work item Approval by TSG SA	1/3/99	5/3/99
Preparation of first draft	1/3/99	4/6/99
Review and resolution of issues at WG1 meeting	7/6/99	11/6/99
Preparation of second draft	11/6/99*	15/10/99
Review and resolution of issues at WG1 meeting	16/10/99*	19/10/99
Submission to TSG SA for approval	30/10/99*	30/10/99

Note: * These dates are a guess at present

Supporting Individual Members

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