

Agenda Item: 6.2.1
Source: France Telecom
Title: Update of 22.00 according to SERG point of view about UMTS
Phasing and Cross Phase Compatibility
Document for: Information, Discussion, Decision

Date: 3rd of February 1999

TSG SA WG1 has approved during the first TSG SA WG1 meeting the response from SERG to a previous LS sent by SMG1 about UMTS Phasing and Cross Phase Compatibility.

Although 22.00 (v2.0.0) refers to Cross Phase compatibility (in section 4.1), it is judged that requirements addressed by SERG on this topic are not covered by the current specification and complete it. It is then proposed to add the requirements expressed by SERG in the 22.00 specification as indicated below :

4.1 Post UMTS Phase 1 operation

After phase 1, the new capabilities of UMTS shall be defined in annual releases where each release constitutes a coherent set of specifications covering UMTS mobile station, access network and core network .

UMTS phase 1 should facilitate evolution towards a single integrated core network infrastructure. The introduction of Phase 1 UMTS shall not limit or restrict the evolution to later UMTS releases, however, the different starting points to introduce UMTS need to be taken into account.

Cross Phase compatibility shall be considered from day 1 and should include the following aspects:

- 1) Terminals (e.g. support of phase1 terminals in later releases of UMTS networks and vice-versa).
- 2) Signalling and protocols, including UTRAN to Core Network, inter network and terminal to network.
- 3) Security aspects (e.g. the relationship of GSM and UMTS security mechanisms).

Efficient mechanisms for communicating versions and managing cross phase issues shall be designed into the UMTS system from the very start. The mechanisms should be applicable to any components of the system that are planned to be, or might in the future be, phased. These principles might be applicable to:

Hardware,
Firmware,
Software,
APIs.

TSG-SA Working Group 1 (Services) meeting #1
Sophia Antipolis 1st - 5th February 1999

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Agenda Item: 06.02.01
Source: SERG
Title: Response to Liaison on UMTS Phasing and Cross Phase Compatibility
Document for: Information

MOU SERG #32
Cape Town, South Africa
23-26 novemeber 1998-11-26

SERG Doc 120/98

Source: SERG
To: SMG1, SMG2, SMG3, SMG12
Response to Liaison on UMTS Phasing and Cross Phase Compatibility

SERG welcomes and endorses the initiative taken by SMG regarding cross phase compatibility, as described in SMG1 Tdoc 841/98. Further SERG considers that efficient mechanisms for communicating versions and managing cross phase issues are designed into the system from the very start. The mechanisms should be applicable to any components of the system that are planned to be, or might in the future be, phased. These principles might be applicable to:

Hardware
Firmware
Software
APIs

It is a key requirement that applications communicate with each other in a reliable way to support consistent service.

ETSI SMG1
Rome
November 2 – 6, 1988

Tdoc 841/98
Agenda:9.6.1

Source: SMG1

To: SMG2, SMG3, SMG4, SMG12

Cc: GSM MoU SERG

Liaison on UMTS Phasing and Cross Phase Compatibility Issues

SMG1 has discussed the issue of phasing and cross phase compatibility issues. So far SMG1 has concluded that

- extensibility mechanisms are required in protocols to allow new features to be introduced in later phases while enabling the possibility of backward compatibility between phases
- as far as possible standardisation should enable a phase1 terminal to be upgradable to Phase2 via software download
- the standard should enable a terminal to indicate its capabilities to the network (including the ability to be upgradable via software download)
- Phase 2 networks must be able to work in a Phase 1 network
- A Phase 2 network must be able support a Phase 1 terminal that is not capable of being upgraded

SMG1 welcomes comments on these conclusions