

**Source:** Telia AB  
**Title:** Prioritisation of test cases for Multi-system functionality and PS services  
**Agenda item:** 5.1  
**Document for:** Discussion, action

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### **Introduction**

T1 has produced a document that are scheduling and prioritising the work for the protocol conformance specification TS 34.123-1. The document number for this interim document is T1 iWD-002.

To prioritise the work the following definitions of priority keys have been used.

Prioritisation key for release 99:

- 1: This test case is expected to be relevant for regulatory purposes and will be given highest priority
- 2: This test case is essential to provide the minimum set of capabilities that R99 of the test specification will support
- 3: This test case is not essential for the minimum set of capabilities, but would be desirable for good test coverage
- 4: This test case is not part of the minimum set of capabilities

### **Discussion**

Our understanding of the priority class 4 is that the functionality placed in this class might not be given any test cases in the time frames of R99. If this is true we have some very strong objections to the prioritisation of inter-system handover and packet switched services.

In the requirement documents for R99 it is very strongly stated that handover between UMTS and GSM should be supported. For this handover to work properly it is important that the protocol can be tested against each other. Therefore it is not satisfactory enough to find these procedures in priority class 4.

Another important feature for UMTS, that have been one of the driving forces to create this new system, is that packet switched services will get a much better performance and much better possibilities than in the existing 2G networks. This is mostly depending on the fact that UMTS will provide the user with much higher data rates.

Even so, the Session Management Procedures, that are essential for the packet domain and the packet switched services, by enabling PDP-context creation and maintained, are all prioritised in the lowest priority class.

## **Conclusion**

A conclusion that can be made from this is that multi-mode terminals and PS services are not considered to be included in the minimum set of capabilities for R99. Even so, as argued above, these types of terminals and services are seen to be very important for the launch of UMTS and to make UMTS a commonly used mobile network in Europe.

## **Suggestion**

As handover between UMTS and GSM is a very strong requirement for R99 we think that the priority for the test cases for handover procedures between these systems should preferably be raised to level 2 and at least level 3.

Another important service that the new radio network of UMTS will deliver is packet switched services. Therefore it is suggested that the priority of the session management procedures for PDP context also will be raised to preferably level 2 but at least priority class 3.