

Source: NTT DoCoMo, Toshiba, Gemplus
Title: Addition of test cases to pre-Rel-6 test specifications for existing pre Rel-6 features
Agenda item: 6.5.2
Document for: **DISCUSSION and APPROVAL**

1. Introduction

At CT6 meeting #35 several CRs to pre-Rel-6 versions of TS 31.121 were presented. The CRs were proposed due to a specific demand for clarification on the behavior for existing pre-Rel-6 features that had been experienced in the field.

CT6 agreed on the technical content of the CRs but decision could not be made for adding the test cases for pre-Rel-6. This contribution proposes to agree on these CRs to expand the test specification for pre-Rel-6

2. Discussion

It is DoCoMo's view that adding test cases that simply follow and reflect the pre-Rel-6 test specifications is essential:

- To prevent an increase of MEs with incorrect implementations or defects.
- To improve the quality of interoperability.
- To increase the number of existing test specifications in an area where the lack of such tests may lead to the potential issues caused by upcoming MEs.

It should be emphasised that the adding of new test cases does not add new features to the core specification neither does it imply a change to the system requirement; it only adds to the test specification which follows the core specification

Two approaches are proposed below on how to handle the postponed set of CRs to R99, Rel-4, and Rel-5 versions of the test specification (TS 31.121) presented in CT6 meeting #35.

- Add test cases to R99 and later (ie. agree all the postponed CRs to R99, Rel-4, Rel-5)
- Add test cases to Rel-5 and later

Following are the CRs that are currently postponed.

[R99 (and Rel-4)]

- CR 31.121 R99(Rel-4): Introduction of BCD number/ SSC content extension tests
- CR 31.121 R99(Rel-4): Introduction of ACL tests
- CR 31.121 R99(Rel-4): Introduction of SDN tests
- CR 31.121 R99(Rel-4): Extension of phonebook tests

or

[Rel-5]

- CR 31.121 Rel-5: Introduction of BCD number/ SSC content extension tests
- CR 31.121 Rel-5: Introduction of ACL tests
- CR 31.121 Rel-5: Introduction of SDN tests
- CR 31.121 Rel-5: Extension of phonebook tests

3. Analysis

The following table outlines the benefits and drawbacks of the two approaches mentioned in section 2.

	Benefits	Drawbacks
R99 and later	<ol style="list-style-type: none"> 1. avoid exposure to potential risk factors with the upcoming MEs which comply with R99 and later 2. prevent MEs with incorrect implementations from coming into the market 3. improve quality of USIM-ME interoperability 	<ol style="list-style-type: none"> 1. some legacy MEs may not pass the test cases proposed in the CRs 2. MEs which comply with R99 and Rel-4 have already been released into the market for several years.
Rel5	<ol style="list-style-type: none"> 1. avoid exposure to potential risk factors with the upcoming MEs which comply with Rel-5 and later 2. prevent MEs with incorrect implementations from coming into the market 3. improve quality of USIM-ME interoperability 	<p style="text-align: center;">None (given that MEs which comply with Rel-5 have not been released into the market)</p>

Table1: Relative benefits/drawbacks of adding test cases starting from R99 and Rel-5

From the operator’s perspective, these test cases need to be implemented immediately from earliest release possible. At the same time, however, we cannot outlaw the existing implementations which may not pass the expanded test specification. From this analysis, addition of test cases to Rel-5 is the preferred approach from a practical point of view.

4. Proposal

This document proposes to agree to add on the CRs to Rel-5 versions of the test specifications presented in CT6 meeting #35.