Source: T3

Title: CRs to TS 31.101:

UICC-Terminal Interface; Physical and Logical Characteristics

Document for: Approval

This document contains the following change request:

T3 Doc	Spec	CR	Rev	Phase	Subject	Cat	V. old	V. new
T3-030459	31.101	028	-	Rel-6	Clarification on the support of extra guardtime	F	6.1.0	6.2.0

CR-Form-v7

CHANGE REQUEST

⌘   **31.101 CR** 028   ⌘**rev** - ⌘ Current version: **6.1.0** ⌘

For **HELP** *on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ **X**   ME **X** Radio Access Network ☐   Core Network ☐

Title: ⌘	Clarification on the support of extra guardtime	
Source: ⌘	T3	
Work item code:⌘	TEI	***Date:*** ⌘ 23/05/2003
Category: ⌘ **F**		***Release:*** ⌘ Rel-6

Use one of the following categories:
    F *(correction)*
    A *(corresponds to a correction in an earlier release)*
    B *(addition of feature),*
    C *(functional modification of feature)*
    D *(editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use one of the following releases:
    2   *(GSM Phase 2)*
    R96   *(Release 1996)*
    R97   *(Release 1997)*
    R98   *(Release 1998)*
    R99   *(Release 1999)*
    Rel-4   *(Release 4)*
    Rel-5   *(Release 5)*
    Rel-6   *(Release 6)*

Reason for change: ⌘	By referencing ISO 7816-3, SCP 102 221, referenced by TS 31.102, was implicitly requiring the terminal to support the addition of extra guardtimes, if indicated by the card in the ATR. This requirement was not intended by T3, so the specification needs to be corrected. As most terminals did not implement this feature and the UICCs known so far did not count on it, no negative impact is expected from this modification.
Summary of change:⌘	Clarify that the ISO mechanism for negociation of extra guardtime does not have to be supported by 3GPP terminals.
Consequences if not approved: ⌘	Possible interworking problems if future cards expect the feature to be supported, while it is not generally implemented.

Clauses affected: ⌘	5

		Y	N	
Other specs affected:	⌘		X	Other core specifications ⌘
			X	Test specifications
			X	O&M Specifications

Other comments: ⌘	

5   Physical and logical characteristics

5.1   Transmission speed

Cards and terminals supporting an application based on the present specification shall support the transmission factor (F,D)=(512,32) in addition to those required by ETSI TS 102 221 [1].

5.2   Voltage classes

A UICC holding a 3GPP application shall support at least two consecutive voltage classes as defined in TS 102 221 [1], e.g. AB or BC. If the UICC supports more than two classes, they shall all be consecutive, e.g. ABC.

5.3   File Control Parameters (FCP)

This clause defines the contents of the data objects which are part of the FCP information where there is a difference compared to the values as specified in TS 102 221 [1]. Where options are indicated in TS 102 221 [1], this clause specifies the values to be used in the FCP related to 3GPP applications.

5.3.1   Minimum application clock frequency

This data object is indicated by tag '82' in the proprietary constructed data object in the FCP information, identified by tag 'A5', as defined in TS 102 221 [1]. This data object specifies the minimum clock frequency to be provided by the terminal during the 3GPP application session. The value indicated in this data object shall not exceed 3 MHz, corresponding to '1E'. The terminal shall use a clock frequency between the value specified by this data object and the maximum clock frequency for the UICC as defined in TS 102 221 [1]. If this data object is not present in the FCP response or the value is 'FF' then the terminal shall assume that the minimum clock frequency is 1 MHz.

5.4   Interface protocol

No extra guard time, indicated in TC1 in the ATR, needs to be supported when sending characters from the terminal to the card. The terminal may reject a UICC indicating values other than 0 or 255 in TC1.