Source: T3

Title: Change Requests to TS 31.114 USAT interpreter; Protocol administration

Document for: Approval

This document contains several change requests as follows:

T3 Doc	Spec	CR	Rel	Cat	Subject
T3-020347	31.114	001	5	F	Clarification on the USAT Interpreter behaviour if the indicated access mode of a gateway originated message does not match with the tag in transport layer
T3-020348	31.114	002	5	C	Proof of Receipt management modification

CR-Form-v3

CHANGE REQUEST

⌘   **31.114 CR**   **001** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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

Proposed change affects: ⌘   (U)SIM **X**   ME/UE ☐   Radio Access Network ☐   Core Network ☐

Title:	⌘	Clarification on the USAT Interpreter behaviour if the indicated access mode of a gateway originated message does not match with the tag in transport layer.	
Source:	⌘	T3	
Work item code:	⌘	USAT Interpreter	**Date:** ⌘ 23 May 2002
Category:	⌘	**F**	**Release:** ⌘ REL-5

Use one of the following categories:
F *(essential 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)*

Reason for change:	⌘	The following error case is not covered by TS 31.114:
		The USAT Interpreter receives a gateway originated message. The message TAR indicates an access mode (pull, push or admin), but the tag of the transport layer does not match with it (e.g. access mode = "pull" and tag = "GO Administration Message BER-TLV").
Summary of change:	⌘	Clarify the behaviour of the USAT Interpreter in this case.
Consequences if not approved:	⌘	USAT Interpreter implementations could behave differently in this case.

Clauses affected:	⌘	5.5
Other specs affected:	⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ O&M Specifications
Other comments:	⌘	

5.5   Gateway originated Application Messages

This chapter specifies the messages sent from the Gateway to the USAT Interpreter.

The general message format is as follows:

Bearer Header	Bearer User Data

TS 23.048 Header	Application Message

Transport Protocol Input TLV
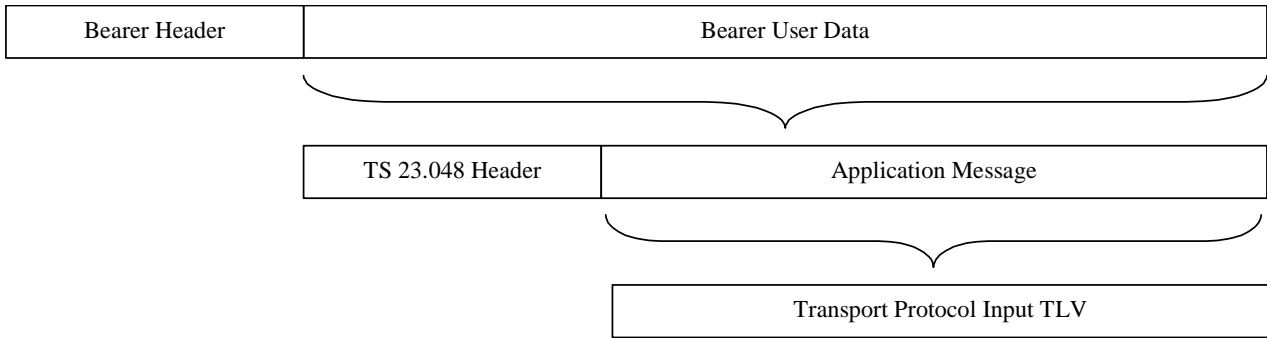
Figure 5.3: Gateway originated Application Messages

The content and structure of the bearer header depends on the chosen bearer.

The content of the TS 23.048 header depends on the chosen configuration within the used Configuration Set. The Configuration Set depends on the used access mode, i.e. Operational Pull, Operational Push or Administration.

If the USAT Interpreter receives a message whose Configuration Set does not match with the access mode, the message shall be discarded (e.g. Configuration Set = "pull" and tag = "GO Administration Message BER-TLV")

CR-Form-v3

CHANGE REQUEST

| ⌘ | **31.114 CR** | **002** | ⌘ | rev | **-** | ⌘ | Current version: | **5.0.0** | ⌘ |

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

Proposed change affects: ⌘ (U)SIM **X**   ME/UE ☐   Radio Access Network ☐   Core Network ☐

Title: ⌘	Proof of Receipt management modification	
Source: ⌘	T3	
Work item code: ⌘	USAT Interpreter	***Date:*** ⌘ 23 May 2002
Category: ⌘ **C**		***Release:*** ⌘ REL-5

Use <u>one</u> of the following categories:
F *(essential 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 <u>one</u> 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)*

Reason for change: ⌘	It is stated that the USAT Interpreter shall support PoR using SMS-SUBMIT while SMS-DELIVER-REPORT is optional. PoR using SMS-SUBMIT might be complex to implement because the USAT Interpreter shall use the "Send Short Message" USAT command to encapsulate the "SMS-SUBMIT" data. Consequently, whatever its current state is, USAT Interpreter shall be able to send this USAT command as soon as a complete message is received.
	If USAT Interpreter send PoR using SMS-DELIVER-REPORT, there is no need to use a USAT command (this information is sent inside data from a "GET RESPONSE" APDU)
	PoR using SMS-SUBMIT should become an optional feature for the USAT Interpreter.
Summary of change: ⌘	PoR using SMS-SUBMIT is changed to be an optional feature.
Consequences if not approved: ⌘	

Clauses affected: ⌘	5.2
Other specs affected: ⌘	☐ Other core specifications ⌘
	☐ Test specifications
	☐ O&M Specifications
Other comments: ⌘	

5.2   TS 23.048 Security

This clause specifies the security parameters to be supported for secured packets between the USAT Interpreter Security Functionality and the Security Node. The security parameters shall apply for both directions.

For exchanging information between the USAT Interpreter Security Functionality and the USAT Interpreter Security Node the Command Packet structure as specified in TS 23.048 [3] shall be used in both directions. The execution and handling of the Command Packet shall be independent from the used bearer.

PoR by using SMS-SUBMIT shall should be supported by the USAT Interpreter Security Functionality, i.e. the Security Node may request a PoR from the USAT Interpreter using SMS-SUBMIT to send the PoR. PoR using SMS-DELIVER-REPORT may be supported by the USAT Interpreter. Additional Response Data (see TS 23.048 [3]) for the PoR is not specified for the present document. Support of PoR in the other direction is optional.

At least the following TS 23.048 [3] security mechanisms shall be supported by the USAT Interpreter Security Functionality and the Security Node:

[…]