

**TSG-RAN Meeting #11
Palm Springs, CA, U.S.A., 13-16 March 2001**

RP-010119

Title: Agreed CRs to TS 25.424

Source: TSG-RAN WG3

Agenda item: 5.3.3

| Tdoc_Num | Specification | CR_Num | Revision_Num | CR_Subject | CR_Category | WG_Status | Cur_Ver_Num | New_Ver_Num |
|-----------------|----------------------|---------------|---------------------|--|--------------------|------------------|--------------------|--------------------|
| R3-010022 | 25.424 | 007 | | Application of AAL2 Link Characteristics on Iur CCHs | F | agreed | 3.5.0 | 3.6.0 |
| R3-010199 | 25.424 | 008 | 1 | Clarification of the ALC values | F | agreed | 3.5.0 | 3.6.0 |

CHANGE REQUEST

⌘ **25.424 CR 007** ⌘ rev **-** ⌘ Current version: **3.5.0** ⌘

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 ME/UE Radio Access Network Core Network

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|---|--|--|-----------------|
| Title: | ⌘ Application of AAL2 Link Characteristics on lur CCHs | | |
| Source: | ⌘ R-WG3 | | |
| Work item code: | ⌘ | Date: | ⌘ December 2000 |
| Category: | ⌘ F | Release: | ⌘ R99 |
| <p>Use <u>one</u> of the following categories:</p> <p>F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p> | | <p>Use <u>one</u> of the following releases:</p> <p>2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)</p> | |

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|--------------------------------------|---|
| Reason for change: | ⌘ Currently the application of AAL2 Link Characteristics (ALC) in 25.424 is only mandatory when there is AAL2 switching in the Transport Network Layer of the interface. However, even in absence of AAL2 switches, usage of the ALC parameters is important. In contrast to the lub interface, on the lur interface both peers can initiate AAL2 connection establishment. In order to have AAL2 connections established by both peers sharing the same AAL2 path (ATM VC), both peers should be able to perform CAC for this path. As a result, both sides should be aware of the ALC parameters used for each established AAL2 connection. If the ALC parameters are not transferred to the interface peer, in practice path sharing for AAL2 connections established by different peers will not be possible. As a result, the operator will have to configure the double amount of AAL2 paths. In addition the AAL2 multiplexing gain will be less since fewer AAL2 connections are multiplexed on one path. This CR is backward compatible with existing R99 specifications. |
| Summary of change: | ⌘ This CR proposes the mandatory application of the ALC parameters on lur, in order to enable bi-directional path usage with both sides performing CAC on the same path. |
| Consequences if not approved: | ⌘ If this CR is not accepted, path sharing by two sides of the lur interface is in practice impossible. |

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|------------------------------|---|-----------------|--|
| Clauses affected: | ⌘ 6.2 | | |
| Other specs affected: | ⌘ <input checked="" type="checkbox"/> Other core specifications | ⌘ 25.426 CR 010 | |
| | <input type="checkbox"/> Test specifications | | |
| | <input type="checkbox"/> O&M Specifications | | |

Other comments: ☹

[Yellow highlighted area]

6 I_{ur} Transport Signalling for Common Transport Channel Data Streams

6.1 Introduction

This clause specifies the transport signalling protocol(s) used to establish the user plane transport bearers. The protocol stack is shown in [6].

6.2 Transport Signalling

AAL2 signalling protocol Capability Set 1, ITU-T Recommendation Q.2630.1 [4], is the signalling protocol to control the AAL2 connections on Iur interfaces. AAL2 transport layer addressing is based on embedded E.164 or AESA variants of the NSAP addressing format [5]. Native E.164 addressing shall not be used.

Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [4].

~~If there is an AAL2 switching function in the transport network layer of the interface,~~ the AAL2 Link Characteristics parameter (ALC) in the Establish Request message of AAL2 signalling protocol shall be used.

CHANGE REQUEST

⌘ **25.424 CR 008** ⌘ rev **1** ⌘ Current version: **3.5.0** ⌘

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 ME/UE Radio Access Network Core Network

| | | | |
|------------------------|---|-----------------|---|
| Title: | ⌘ Clarification of the ALC values . | | |
| Source: | ⌘ R-WG3 | | |
| Work item code: | ⌘ | Date: | ⌘ January 2001 |
| Category: | ⌘ F | Release: | ⌘ R99 |
| | <i>Use one of the following categories:</i> F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification) | | <i>Use one of the following releases:</i> 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5) |
| | Detailed explanations of the above categories can be found in 3GPP TR 21.900. | | |

| | |
|--------------------------------------|---|
| Reason for change: | ⌘ The LS Statement from ITU-T SG 13 with the title "Liaison for AAL2 Type 2 Signalling Protocol" clarifies the use of the ALC parameters. It clarifies that the enforcement of the ALC values is for further study. |
| Summary of change: | ⌘ The purpose of the ALC parameters in the Establish Request message is clarified. <u>Revision 1:</u> The wording was changed. |
| Consequences if not approved: | ⌘ If this CR is not accepted the specification 25.424 is not aligned with the ITU-T view of the AAL2 Link Characteristics. |

| | | | |
|------------------------------|---|---|--|
| Clauses affected: | ⌘ 6.2 | | |
| Other specs affected: | <input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications | ⌘ | |
| Other comments: | ⌘ | | |

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <ftp://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

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Binding ID provided by the radio network layer shall be copied in SUGR parameter of ESTABLISH.request primitive of [4].

If there is an AAL2 switching function in the transport network layer of the interface, the AAL2 Link Characteristics parameter (ALC) shall be included in the Establish Request message of AAL2 signalling protocol ~~shall be used~~.

7 Signalling Bearer for Transport Signalling on I_{ur} Interface

The signalling bearer for the ALCAP on the I_{ur} interface for common transport channels data streams is the same as the signalling bearer for the ALCAP on the I_{ur} interface for DCH data streams, defined in [6].

Annex A (informative): Change history

| Change history | | | | | |
|----------------|---------|-----|-----------|-------------|---------------------------------------|
| TSG RAN# | Version | CR | Tdoc RAN | New Version | Subject/Comment |
| RAN_04 | - | - | - | 3.0.0 | Approved by TSG-RAN by correspondence |
| RAN_05 | 3.0.0 | - | - | 3.1.0 | Approved by TSG-RAN #5 |
| RAN_07 | 3.1.0 | - | - | 3.2.0 | Approved at TSG RAN #7 |
| RAN_08 | 3.2.0 | - | RP-000245 | 3.3.0 | Approved at TSG RAN #8 |
| RAN_09 | 3.3.0 | 005 | RP-000382 | 3.4.0 | Approved at TSG RAN #9 |
| RAN_10 | 3.4.0 | 006 | RP-000622 | 3.5.0 | Approved at TSG RAN #10 |
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