

Agenda item:

Source: Golden Bridge Technology
Title: CR25.302-003r1, resubmitted CR for CPCH Parameters for Physical Layer Primitives
Document for: Discussion and approval

INTRODUCTION

At RAN2#6, RAN2 considered and approved a CR25.302-003 [1] for submission to RAN#5 for approval. CR25.302-003 specifies new parameters for a defined physical layer primitive. RAN2 submitted a large Tdoc [2] with many CRs, including CR25.302-003, for RAN approval. However, RAN decided to postpone this CR25.302-003 stating that "All CRs on this issue, which impact WG1, to be issued for next RAN meeting" (verbatim from RAN Chairman's report [3]). Per RAN's stated intention, Golden Bridge Technology (GBT), one of the proponents of CPCH in RAN2, is hereby resubmitting a corrected version of this CR for RAN approval.

DISCUSSION

The following points explain the need for and provide justification for RAN approval of this CR at this time:

1. The descriptions of CPCH in TS25.302 and TS25.321 are incomplete in the current versions of these documents. Specifically, new parameters to signal physical layer CPCH status to MAC layer is needed and is not yet included in TS25.302, Services Provided by the Physical Layer. CR25.302-003r1 completes a "baseline" description for CPCH in the Services Provided by the Physical Layer document.
2. The CR25.302-003r1 has been modified from CR25.302-003 to align with a recent decision in RAN1#8 which did not approve a method for real-time CPCH status monitoring (GBT's proposal for collecting CPCH status). References to status items relating to real-time monitoring have been deleted from CR25.302-003. With these deletions, CR25.302-003r1 agrees with Dec 99 version of RAN1 specifications. A change-marked version of CR25.302-003 is included here to identify the deletions.
3. RAN2 had approved CR25.302-003 at RAN2#6. The CR25.302-003r1 has been modified to delete references to a minor feature which is not supported in the RAN1 specifications. As such, RAN can approve this CR25.302-003r1 based on this prior approval by RAN2.
4. Both RAN1 and RAN2 have had and continue to have open issues concerning further possible additions (such as Channel Assignment) to the baseline CPCH. For this reason, CPCH is delayed for release 99 until RAN#7 in March 2000.

5. The original CR, CR25.302-003, was presented for RAN approval at RAN#5, but was postponed citing these ongoing discussions for CPCH in RAN1 and RAN2. This RAN decision, however, may not have included consideration for the need for a complete and consistent baseline description of CPCH on which to base these continuing discussions concerning CPCH additions.
6. A complete and consistent baseline description of CPCH will assist the ongoing efforts of RAN1 and RAN2 and, more importantly, will provide a complete view of the specified CPCH feature for consumers of the Dec 99 release of the RAN specifications.

For these reasons, GBT urges RAN to approve this corrected CR25.302-003r1 at this time.

PROPOSAL

The changes listed in the attached CR25.302-003r1 should be incorporated into the latest version of TS25.302, Services Provided by the Physical Layer.

REFERENCES

- [1] TSGR2#6(99)919, CR25.302-003, New CPCH Parameters for Physical Layer Primitives, source: RAN2.
- [2] TSGR#5(99)461, CRs for TS25.302, Services Provided by the Physical Layer, source: RAN2.
- [3] TSGS#5(99)460, Status Report on RAN#5, source: TSG RAN Chairman.

CHANGE-MARKED VERSION OF CR25.302-003:

10.1.3 PHY-Status-IND

The PHY-STATUS primitive can be used by the layer 1 to notify higher layers of an event which has occurred.

Primitive Type: indication

Parameters

- Event values:

- CPCH event values:

- 1 Normal CPCH transmission.
- 2 No AICH received after Nap_retrans_max CPCH access attempt cycles.
- 3 Requested CPCH is busy, received an AP-AICH_nak.
- 4 Timeout, no CD-AICH received.
- 5 Collision, CD-AICH signature does not match.
- 6 CPCH channel busy, received AP-AICH_ack or AP-AICH_nak
- 7 CPCH channel idle, received CD-AICH_nak

10.2.2.5 CPHY-RL-Setup-REQ

The Request primitive is sent from RRC to L1 for configuration establishment of a Radio link to a certain UE. **Primitive:**

Parameters:

- Physical channel description
- Physical channel ID

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.302 CR 003r1

Current Version: **intermediate**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: **TSG-RAN#6**
list expected approval meeting # here ↑

for approval
for information

strategic
non-strategic (for SMG use only)

Form: CR cover sheet, version 2 for 3GPP and SMG The latest version of this form is available from: <http://ftp.3gpp.org/Information/CR-Form-v2.doc>

Proposed change affects: (U)SIM ME UTRAN / Radio Core Network
(at least one should be marked with an X)

Source: Golden Bridge Technology **Date:** 09 Dec 1999

Subject: New CPCH parameters for physical layer primitives

Work item:

Category: F Correction **Release:** Phase 2
(only one category shall be marked with an X) A Corresponds to a correction in an earlier release Release 96
B Addition of feature Release 97
C Functional modification of feature Release 98
D Editorial modification Release 99
Release 00

Reason for change: Interlayer primitives require modification to support use of CPCH resources.

Clauses affected: 10.1.3, 10.2.2.5

Other specs affected: Other 3G core specifications → List of CRs:
Other GSM core specifications → List of CRs:
MS test specifications → List of CRs:
BSS test specifications → List of CRs:
O&M specifications → List of CRs:

Other comments:



help.doc

<----- double-click here for help and instructions on how to create a CR.

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