

TSG-RAN Meeting #16
Marco Island, FL, USA, 4 - 7 June 2002

RP-020324

Title: Agreed CRs (Release '99 and Rel-4/Rel-5 category A) to TS 25.304

Source: TSG-RAN WG2

Agenda item: 7.2.3

Doc-1st-	Status-	Spec	CR	Rev	Phase	Subject	Cat	Version	Versio
R2-021211	agreed	25.304	099		R99	Limitations of CBS reception	F	3.10.0	3.11.0
R2-021212	agreed	25.304	100		Rel-4	Limitations of CBS reception	A	4.4.0	4.5.0
R2-021213	agreed	25.304	101		Rel-5	Limitations of CBS reception	A	5.0.0	5.1.0

CHANGE REQUEST

⌘ **25.304 CR 099** ⌘ rev - ⌘ Current version: **3.10.0** ⌘

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:	⌘ Limitations of CBS reception		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 2.5.2002
Category:	⌘ F	Release:	⌘ R99
	<i>Use <u>one</u> of the following categories:</i> 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.		<i>Use <u>one</u> 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)

Reason for change:	⌘ The current text in 25.304 suggests that reception of CBS is always possible for UEs with basic service capabilities. This is not correct because in case paging occasions and CBS message scheduling the reception of CBS is not assured. This is corrected. In alignment with 25.324 it is corrected that CBS should not only be received in idle mode but URA_PCH and CELL_PCH also with the same limitations.
Summary of change:	⌘ URA_PCH and CELL_PCH added as states where CBS reception should be supported Statement included that makes clear that CBS reception is not guaranteed for UEs with basic service capabilities
Consequences if not approved:	⌘ Misalignment between 25.324 Limitations on CBS reception are unclear CBS is a service for which the UTRAN has limited abilities to influence UE's reception. Therefore it is very important to state clearly the limitations of the service. No particular impact on UE and UTRAN is expected by the CR. For IOT a possible case is clarified in which CBS reception does not work.

Clauses affected:	⌘ 6.2		
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications	⌘ 25.304 v4.4.0, CR 100	
	<input type="checkbox"/> Test specifications	25.304 v5.0.0, CR 101	
	<input type="checkbox"/> O&M Specifications		

Other comments: ☞ No impact on test specifications identified

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

6.2 Cell Broadcast in Idle Mode, CELL PCH and URA PCH

A UE supporting Cell Broadcast Service (CBS) shall be capable to receive BMC messages in the Idle mode, in URA PCH and CELL PCH. When several PCHs exist in the cell, the FACH which carries the CTCH may be mapped to a different SCCPCH than the PCH selected by the UE for paging in Idle mode (as specified in Sec. 8.1). In this case, UEs with basic service capabilities shall be capable to change from the SCCPCH that carries the PCH selected for paging to another SCCPCH which carries Cell Broadcast messages (i.e. the CTCH mapped to an FACH) and receive BMC messages during time intervals which do not conflict with the UE specific paging occasions.

Note: In case certain BMC messages conflict with the UE specific paging occasions the reception of CBS cannot be guaranteed and depends on UE capabilities.

CHANGE REQUEST

⌘ **25.304 CR 100** ⌘ rev **-** ⌘ Current version: **4.4.0** ⌘

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:	⌘ Limitations of CBS reception		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI Date: ⌘ 2.5.2002		
Category:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> ⌘ A Use <u>one</u> 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. </td> <td style="width: 50%; vertical-align: top;"> Release: ⌘ REL-4 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) </td> </tr> </table>	⌘ A Use <u>one</u> 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.	Release: ⌘ REL-4 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)
⌘ A Use <u>one</u> 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.	Release: ⌘ REL-4 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:	⌘ The current text in 25.304 suggests that reception of CBS is always possible for UEs with basic service capabilities. This is not correct because in case paging occasions and CBS message scheduling the reception of CBS is not assured. This is corrected. In alignment with 25.324 it is corrected that CBS should not only be received in idle mode but URA_PCH and CELL_PCH also with the same limitations.
Summary of change:	⌘ URA_PCH and CELL_PCH added as states where CBS reception should be supported Statement included that makes clear that CBS reception is not guaranteed for UEs with basic service capabilities
Consequences if not approved:	⌘ Misalignment between 25.324 Limitations on CBS reception are unclear CBS is a service for which the UTRAN has limited abilities to influence UE's reception. Therefore it is very important to state clearly the limitations of the service. No particular impact on UE and UTRAN is expected by the CR. For IOT a possible case is clarified in which CBS reception does not work.

Clauses affected:	⌘ 6.2						
Other specs affected:	<table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><input type="checkbox"/> Other core specifications</td> <td style="width: 70%;">⌘ 25.304 v3.10.0, CR 099</td> </tr> <tr> <td><input type="checkbox"/> Test specifications</td> <td>⌘ 25.304 v5.0.0, CR 101</td> </tr> <tr> <td><input type="checkbox"/> O&M Specifications</td> <td></td> </tr> </table>	<input type="checkbox"/> Other core specifications	⌘ 25.304 v3.10.0, CR 099	<input type="checkbox"/> Test specifications	⌘ 25.304 v5.0.0, CR 101	<input type="checkbox"/> O&M Specifications	
<input type="checkbox"/> Other core specifications	⌘ 25.304 v3.10.0, CR 099						
<input type="checkbox"/> Test specifications	⌘ 25.304 v5.0.0, CR 101						
<input type="checkbox"/> O&M Specifications							

Other comments: ☞ No impact on test specifications identified

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

6.2 Cell Broadcast in Idle Mode, CELL PCH and URA PCH

A UE supporting Cell Broadcast Service (CBS) shall be capable to receive BMC messages in the Idle mode, in URA PCH and CELL PCH. When several PCHs exist in the cell, the FACH which carries the CTCH may be mapped to a different SCCPCH than the PCH selected by the UE for paging in Idle mode (as specified in Sec. 8.1). In this case, UEs with basic service capabilities shall be capable to change from the SCCPCH that carries the PCH selected for paging to another SCCPCH which carries Cell Broadcast messages (i.e. the CTCH mapped to an FACH) and receive BMC messages during time intervals which do not conflict with the UE specific paging occasions.

Note: In case certain BMC messages conflict with the UE specific paging occasions the reception of CBS cannot be guaranteed and depends on UE capabilities.

CHANGE REQUEST

⌘ **25.304 CR 101** ⌘ 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 ME/UE Radio Access Network Core Network

Title:	⌘ Limitations of CBS reception		
Source:	⌘ TSG-RAN WG2		
Work item code:	⌘ TEI	Date:	⌘ 2.5.2002
Category:	⌘ A	Release:	⌘ REL-5
	<i>Use <u>one</u> of the following categories:</i> 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.		<i>Use <u>one</u> 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)

Reason for change:	⌘ The current text in 25.304 suggests that reception of CBS is always possible for UEs with basic service capabilities. This is not correct because in case paging occasions and CBS message scheduling the reception of CBS is not assured. This is corrected. In alignment with 25.324 it is corrected that CBS should not only be received in idle mode but URA_PCH and CELL_PCH also with the same limitations.
Summary of change:	⌘ URA_PCH and CELL_PCH added as states where CBS reception should be supported Statement included that makes clear that CBS reception is not guaranteed for UEs with basic service capabilities
Consequences if not approved:	⌘ Misalignment between 25.324 Limitations on CBS reception are unclear CBS is a service for which the UTRAN has limited abilities to influence UE's reception. Therefore it is very important to state clearly the limitations of the service. No particular impact on UE and UTRAN is expected by the CR. For IOT a possible case is clarified in which CBS reception does not work.

Clauses affected:	⌘ 6.2	
Other specs affected:	⌘ <input type="checkbox"/> Other core specifications <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications	⌘ 25.304 v4.4.0, CR 100 25.304 v5.0.0, CR 101

Other comments: ☹ No impact on test specifications identified

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.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://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

6.2 Cell Broadcast in Idle Mode, CELL PCH and URA PCH

A UE supporting Cell Broadcast Service (CBS) shall be capable to receive BMC messages in the Idle mode, in URA PCH and CELL PCH. When several PCHs exist in the cell, the FACH which carries the CTCH may be mapped to a different SCCPCH than the PCH selected by the UE for paging in Idle mode (as specified in Sec. 8.1). In this case, UEs with basic service capabilities shall be capable to change from the SCCPCH that carries the PCH selected for paging to another SCCPCH which carries Cell Broadcast messages (i.e. the CTCH mapped to an FACH) and receive BMC messages during time intervals which do not conflict with the UE specific paging occasions.

Note: In case certain BMC messages conflict with the UE specific paging occasions the reception of CBS cannot be guaranteed and depends on UE capabilities.