Title: **CRs to 25.324 on Corrections to BMC Schedule message (R'99 and associated Rel-4/Rel-5/Rel-6)**

Source: **TSG-RAN WG2**

Agenda item: **7.3.3**

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Workitem	Doc-2nd-Level
25.324	017	-	R99	Corrections to BMC Schedule message	F	3.7.0	3.8.0	TEI	R2-041101
25.324	018	-	Rel-4	Corrections to BMC Schedule message	A	4.3.0	4.4.0	TEI	R2-041102
25.324	019	-	Rel-5	Corrections to BMC Schedule message	A	5.3.0	5.4.0	TEI	R2-041103
25.324	020	-	Rel-6	Corrections to BMC Schedule message	A	6.0.0	6.1.0	TEI	R2-041104

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CHANGE REQUEST

| ⌘ | **25.324** | CR | **017** | ⌘**rev** | **-** | ⌘ | Current version: | **3.7.0** | ⌘ |

*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⌘ ☐   ME **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Corrections to BMC Schedule message
Source:	⌘	RAN WG2
Work item code: ⌘	TEI	**Date:** ⌘ 03/05/2004
Category:	⌘ **F**	**Release:** ⌘ R99

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:	⌘	Current text in TS25.324 on the BMC Schedule message is ambiguous in case the BMC message or BMC CBS message are segmented over several CTCH BLOCK SET Indexes.
Summary of change:	⌘	

1   It is clarified that the "Offset to Begin CTCH Block Set Index" is a "pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of current BMC Schedule Message".

2   It is added that IE "Message Description" in the BMC Schedule message can indicate presence of a part of or a complete BMC message in a specific CTCH BS Index (using Message Description Type values 1, 4 or 6) in the nextcoming CBS Schedule period.

3   It is added that IE "Message Description" in the BMC Schedule message can indicate a repetition of a part of or a complete BMC message in a specific CTCH BS Index (using Message Description Type values 0 or 5) in the nextcoming CBS Schedule period.

Consequences if **not approved:**	⌘	

1   Specification will remain unclear, leading to inefficient UE implementation of CBS DRX.

2   It will remain unspecified how to indicate presence of a part of a BMC message in a specific CTCH BS Index in the BMC Schedule message.

3   It will remain unspecified how to indicate repetition of a part of a BMC

message in a specific CTCH BS Index in the BMC Schedule message.

T1 impact: No impact
Backward compatibility: The proposed change has isolated impact, only BMC is impacted.

If supported in UTRAN, but not UE: No backwards compatibility problems foreseen.

If supported in UE, but not UTRAN:
UE using DRX based on the BCM Schedule message might not receive all BMC messages of interest.
UTRAN will not be able to indicate in BMC Schedule message that BMC messages are segmented. Hence, segmentation of BMC messages cannot be done.

Clauses affected:	⌘	11.6, 11.9		

		Y	N			
Other specs affected:	⌘			Other core specifications	⌘	
				Test specifications		
				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/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.

11.6   Offset to Begin CTCH Block Set Index

Table 11.6-1: Offset to Begin CTCH Block Set Index IE

IE/Group name	Need	Multi	Type and reference	Semantics description
Offset to Begin CTCH BS Index	MP		Integer (1..255)	Pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of the current BMC Schedule Message. This IE is coded as the binary representation of the Offset to Begin CTCH BS Index. This IE is mapped onto a single octet.

11.9 Message Description

Table 11.9-1: Message Description IE

IE/Group Name	Need	Multi	Type and reference	Semantics description
Message Description Type	MP		Enumerated(0..255) Table 11.9-3	This IE is coded as the binary representation of the Message Description Type. This IE is mapped onto a single octet.
Message ID	CV MDT1		Octet string (2)	This IE is coded as the binary representation of the Message ID. The first octet contains octet 1 of the equivalent IE defined in and encoded according to [3] and so on.
Offset to CTCH BS index of first transmission	CV MDT2		Integer (0..255)	This IE is coded as the binary representation of the Offset to CTCH BS index of first transmission. This IE is mapped onto a single octet.

Table 11.9-2: Conditions

Condition	Explanation
MDT1	If Message Description Type = 1 or 5 then: the CB-Message-Id IE is included
MDT2	If Message Description Type = 0 or 4 then: the Offset to CTCH BS index of first transmission IE is included pointing to the CTCH BS index where the BMC message is transmitted the first time within the schedule period.

Table 11.9-3: Encoding of Message Description Type

Value	Explanation
0	Repetition of new BMC message within schedule period
1	New message
2	Reading advised
3	Reading optional
4	Repetition of old BMC message within schedule period
5	Old message (repetition of a message sent in a previous schedule period)
6	Schedule message
7	CBS41 message
8	no message
9.. 255	Reserved for future use (IEs received with this value will be replaced by value 3)

NOTE: Message Description Type values 0, 1, 4, 5 and 6 indicate transmission of a BMC message partly or completely.

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CHANGE REQUEST

⌘   **25.324**   CR **018**   ⌘**rev**   **-**   ⌘ Current version: **4.3.0**   ⌘

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*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⌘ ☐   ME **X** Radio Access Network **X** Core Network ☐

Title: ⌘	Corrections to BMC Schedule message	
Source: ⌘	RAN WG2	
Work item code: ⌘	TEI	***Date:*** ⌘ 03/05/2004

Category: ⌘ **A**   ***Release:*** ⌘ Rel-4

Use one of the following categories:	*Use one of the following releases:*
F (correction)	*2 (GSM Phase 2)*
A (corresponds to a correction in an earlier release)	*R96 (Release 1996)*
B (addition of feature),	*R97 (Release 1997)*
C (functional modification of feature)	*R98 (Release 1998)*
D (editorial modification)	*R99 (Release 1999)*
Detailed explanations of the above categories can	*Rel-4 (Release 4)*
be found in 3GPP TR 21.900.	*Rel-5 (Release 5)*
	Rel-6 (Release 6)

Reason for change: ⌘	Current text in TS25.324 on the BMC Schedule message is ambiguous in case the BMC message or BMC CBS message are segmented over several CTCH BLOCK SET Indexes.
Summary of change: ⌘	1 It is clarified that the "Offset to Begin CTCH Block Set Index" is a "pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of current BMC Schedule Message".
	2 It is added that IE "Message Description" in the BMC Schedule message can indicate presence of a part of or a complete BMC message in a specific CTCH BS Index (using Message Description Type values 1, 4 or 6) in the nextcoming CBS Schedule period.
	3 It is added that IE "Message Description" in the BMC Schedule message can indicate a repetition of a part of or a complete BMC message in a specific CTCH BS Index (using Message Description Type values 0 or 5) in the nextcoming CBS Schedule period.
Consequences if not approved: ⌘	1 Specification will remain unclear, leading to inefficient UE implementation of CBS DRX.
	2 It will remain unspecified how to indicate presence of a part of a BMC message in a specific CTCH BS Index in the BMC Schedule message.
	3 It will remain unspecified how to indicate repetition of a part of a BMC

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message in a specific CTCH BS Index in the BMC Schedule message.

T1 impact: No impact
Backward compatibility: The proposed change has isolated impact, only BMC is impacted.

If supported in UTRAN, but not UE: No backwards compatibility problems foreseen.

If supported in UE, but not UTRAN:
UE using DRX based on the BCM Schedule message might not receive all BMC messages of interest.
UTRAN will not be able to indicate in BMC Schedule message that BMC messages are segmented. Hence, segmentation of BMC messages cannot be done.

Clauses affected:	⌘	11.6, 11.9		

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

Other comments:	⌘		

11.6　Offset to Begin CTCH Block Set Index

Table 11.6-1: Offset to Begin CTCH Block Set Index IE

IE/Group name	Need	Multi	Type and reference	Semantics description
Offset to Begin CTCH BS Index	MP		Integer (1..255)	Pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of the current BMC Schedule Message. This IE is coded as the binary representation of the Offset to Begin CTCH BS Index. This IE is mapped onto a single octet.

11.9 Message Description

Table 11.9-1: Message Description IE

IE/Group Name	Need	Multi	Type and reference	Semantics description
Message Description Type	MP		Enumerated(0..255) Table 11.9-3	This IE is coded as the binary representation of the Message Description Type. This IE is mapped onto a single octet.
Message ID	CV MDT1		Octet string (2)	This IE is coded as the binary representation of the Message ID. The first octet contains octet 1 of the equivalent IE defined in and encoded according to [3] and so on.
Offset to CTCH BS index of first transmission	CV MDT2		Integer (0..255)	This IE is coded as the binary representation of the Offset to CTCH BS index of first transmission. This IE is mapped onto a single octet.

Table 11.9-2: Conditions

Condition	Explanation
MDT1	If Message Description Type = 1 or 5 then: the CB-Message-Id IE is included
MDT2	If Message Description Type = 0 or 4 then: the Offset to CTCH BS index of first transmission IE is included pointing to the CTCH BS index where the BMC message is transmitted the first time within the schedule period.

Table 11.9-3: Encoding of Message Description Type

Value	Explanation
0	Repetition of new BMC message within schedule period
1	New message
2	Reading advised
3	Reading optional
4	Repetition of old BMC message within schedule period
5	Old message (repetition of a message sent in a previous schedule period)
6	Schedule message
7	CBS41 message
8	no message
9.. 255	Reserved for future use (IEs received with this value will be replaced by value 3)

NOTE: Message Description Type values 0, 1, 4, 5 and 6 indicate transmission of a BMC message partly or completely.

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CHANGE REQUEST

| ⌘ | **25.324** | CR | **019** | ⌘**rev** | **-** | ⌘ | Current version: | **5.3.0** | ⌘ |

*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⌘ ☐   ME **X** Radio Access Network **X** Core Network ☐

Title:	⌘	Corrections to BMC Schedule message
Source:	⌘	RAN WG2

Work item code:⌘	TEI	***Date:*** ⌘	03/05/2004

Category:	⌘	**A**		***Release:*** ⌘	Rel-5

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 <u>TR 21.900</u>.

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)
Rel-6 (Release 6)

Reason for change: ⌘	Current text in TS25.324 on the BMC Schedule message is ambiguous in case the BMC message or BMC CBS message are segmented over several CTCH BLOCK SET Indexes.

Summary of change:⌘		
	1	It is clarified that the "Offset to Begin CTCH Block Set Index" is a "pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of <u>the first part</u> of current BMC Schedule Message".
	2	It is added that IE "Message Description" in the BMC Schedule message can indicate presence of <u>a part of or a complete</u> BMC message in a specific CTCH BS Index (using Message Description Type values 1, 4 or 6) in the nextcoming CBS Schedule period.
	3	It is added that IE "Message Description" in the BMC Schedule message can indicate a repetition of <u>a part of or a complete</u> BMC message in a specific CTCH BS Index (using Message Description Type values 0 or 5) in the nextcoming CBS Schedule period.

Consequences if ⌘ ***not approved:***		
	1	Specification will remain unclear, leading to inefficient UE implementation of CBS DRX.
	2	It will remain unspecified how to indicate presence of a part of a BMC message in a specific CTCH BS Index in the BMC Schedule message.
	3	It will remain unspecified how to indicate repetition of a part of a BMC

message in a specific CTCH BS Index in the BMC Schedule message.

T1 impact: No impact
 Backward compatibility: The proposed change has isolated impact, only BMC is impacted.

If supported in UTRAN, but not UE: No backwards compatibility problems foreseen.

If supported in UE, but not UTRAN:
UE using DRX based on the BCM Schedule message might not receive all BMC messages of interest.
UTRAN will not be able to indicate in BMC Schedule message that BMC messages are segmented. Hence, segmentation of BMC messages cannot be done.

Clauses affected:	⌘	11.6, 11.9			
		Y	**N**		
Other specs affected:	⌘			Other core specifications	⌘
				Test specifications	
				O&M Specifications	
Other comments:	⌘				

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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.

11.6   Offset to Begin CTCH Block Set Index

Table 11.6-1: Offset to Begin CTCH Block Set Index IE

IE/Group name	Need	Multi	Type and reference	Semantics description
Offset to Begin CTCH BS Index	MP		Integer (1..255)	Pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of the current BMC Schedule Message. This IE is coded as the binary representation of the Offset to Begin CTCH BS Index. This IE is mapped onto a single octet.

11.9 Message Description

Table 11.9-1: Message Description IE

IE/Group Name	Need	Multi	Type and reference	Semantics description
Message Description Type	MP		Enumerated(0..255) Table 11.9-3	This IE is coded as the binary representation of the Message Description Type. This IE is mapped onto a single octet.
Message ID	CV MDT1		Octet string (2)	This IE is coded as the binary representation of the Message ID. The first octet contains octet 1 of the equivalent IE defined in and encoded according to [3] and so on.
Offset to CTCH BS index of first transmission	CV MDT2		Integer (0..255)	This IE is coded as the binary representation of the Offset to CTCH BS index of first transmission. This IE is mapped onto a single octet.

Table 11.9-2: Conditions

Condition	Explanation
MDT1	If Message Description Type = 1 or 5 then: the CB-Message-Id IE is included
MDT2	If Message Description Type = 0 or 4 then: the Offset to CTCH BS index of first transmission IE is included pointing to the CTCH BS index where the BMC message is transmitted the first time within the schedule period.

Table 11.9-3: Encoding of Message Description Type

Value	Explanation
0	Repetition of new BMC message within schedule period
1	New message
2	Reading advised
3	Reading optional
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5	Old message (repetition of a message sent in a previous schedule period)
6	Schedule message
7	CBS41 message
8	no message
9.. 255	Reserved for future use (IEs received with this value will be replaced by value 3)

NOTE: Message Description Type values 0, 1, 4, 5 and 6 indicate transmission of a BMC message partly or completely.

CR-Form-v7

CHANGE REQUEST

⌘   **25.324**   CR **020**   ⌘**rev**   **-**   ⌘   Current version: **6.0.0**   ⌘

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

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

Title: ⌘	Corrections to BMC Schedule message	
Source: ⌘	RAN WG2	
Work item code:⌘	TEI	***Date:*** ⌘ 03/05/2004
Category: ⌘	**A**	***Release:*** ⌘ Rel-6

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 <u>TR 21.900</u>.
	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)*
	  Rel-6 *(Release 6)*

Reason for change: ⌘	Current text in TS25.324 on the BMC Schedule message is ambiguous in case the BMC message or BMC CBS message are segmented over several CTCH BLOCK SET Indexes.
Summary of change:⌘	1 It is clarified that the "Offset to Begin CTCH Block Set Index" is a "pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of <u>the first part</u> of current BMC Schedule Message". 2 It is added that IE "Message Description" in the BMC Schedule message can indicate presence of <u>a part of or a complete</u> BMC message in a specific CTCH BS Index (using Message Description Type values 1, 4 or 6) in the nextcoming CBS Schedule period. 3 It is added that IE "Message Description" in the BMC Schedule message can indicate a repetition of <u>a part of or a complete</u> BMC message in a specific CTCH BS Index (using Message Description Type values 0 or 5) in the nextcoming CBS Schedule period.
Consequences if ⌘ ***not approved:***	1 Specification will remain unclear, leading to inefficient UE implementation of CBS DRX. 2 It will remain unspecified how to indicate presence of a part of a BMC message in a specific CTCH BS Index in the BMC Schedule message. 3 It will remain unspecified how to indicate repetition of a part of a BMC

message in a specific CTCH BS Index in the BMC Schedule message.

T1 impact: No impact
Backward compatibility: The proposed change has isolated impact, only BMC is impacted.

If supported in UTRAN, but not UE: No backwards compatibility problems foreseen.

If supported in UE, but not UTRAN:
UE using DRX based on the BCM Schedule message might not receive all BMC messages of interest.
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Clauses affected:	⌘	11.6, 11.9		

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

Other comments:	⌘	

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11.6　　Offset to Begin CTCH Block Set Index

Table 11.6-1: Offset to Begin CTCH Block Set Index IE

IE/Group name	Need	Multi	Type and reference	Semantics description
Offset to Begin CTCH BS Index	MP		Integer (1..255)	Pointer to the first CTCH BS of the next CBS Schedule Period relative to the CTCH BS index of the first part of the current BMC Schedule Message. This IE is coded as the binary representation of the Offset to Begin CTCH BS Index. This IE is mapped onto a single octet.

11.9 Message Description

Table 11.9-1: Message Description IE

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Message ID	CV MDT1		Octet string (2)	This IE is coded as the binary representation of the Message ID. The first octet contains octet 1 of the equivalent IE defined in and encoded according to [3] and so on.
Offset to CTCH BS index of first transmission	CV MDT2		Integer (0..255)	This IE is coded as the binary representation of the Offset to CTCH BS index of first transmission. This IE is mapped onto a single octet.

Table 11.9-2: Conditions

Condition	Explanation
MDT1	If Message Description Type = 1 or 5 then: the CB-Message-Id IE is included
MDT2	If Message Description Type = 0 or 4 then: the Offset to CTCH BS index of first transmission IE is included pointing to the CTCH BS index where the BMC message is transmitted the first time within the schedule period.

Table 11.9-3: Encoding of Message Description Type

Value	Explanation
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1	New message
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3	Reading optional
4	Repetition of old BMC message within schedule period
5	Old message (repetition of a message sent in a previous schedule period)
6	Schedule message
7	CBS41 message
8	no message
9.. 255	Reserved for future use (IEs received with this value will be replaced by value 3)

NOTE: Message Description Type values 0, 1, 4, 5 and 6 indicate transmission of a BMC message partly or completely.