

CR-Form-v7

## CHANGE REQUEST

№ **29.002 CR 462** № rev **2** № Current version: **5.2.0** №

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  Radio Access Network  Core Network

<b>Title:</b>	№ Introduction of GERAN classmark		
<b>Source:</b>	№ Siemens		
<b>Work item code:</b>	№ TEI	<b>Date:</b>	№ 23/08/2002
<b>Category:</b>	№ <b>F</b>	<b>Release:</b>	№ Rel-5
	Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (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) Rel-6 (Release 6)

<b>Reason for change:</b>	№ During Handover the destination cell must be aware of the codeclist of the target cell
<b>Summary of change:</b>	№ GERAN Class mark is added to MAP prepare handover service
<b>Consequences if not approved:</b>	№ The destination Cell does not know the capabilities of the target cell

<b>Clauses affected:</b>	№ 7.6, 7.6.56, 8.4.1, 17.7.1						
<b>Other specs</b>	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td style="text-align: center;">Y</td><td style="text-align: center;">N</td></tr> <tr><td style="text-align: center;">X</td><td style="text-align: center;"></td></tr> </table> Other core specifications	Y	N	X		№	3GPP TS 48.008 039, 3GPP TS 25.413, 3GPP TS 23.153 031, 3GPP TS 23.205 026, 3GPP TS 43.051 036, 3GPP TS 29.010 060
Y	N						
X							
<b>affected:</b>	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td style="text-align: center;"></td><td style="text-align: center;">X</td></tr> <tr><td style="text-align: center;"></td><td style="text-align: center;">X</td></tr> </table> Test specifications O&M Specifications		X		X		
	X						
	X						
<b>Other comments:</b>	№						

### 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.

**** FIRST MODIFIED SECTION ****
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## 7.6 Definition of parameters

Following is an alphabetic list of parameters used in the common MAP-services in clause 7.3:

Application context name	7.3.1	Refuse reason	7.3.1
Destination address	7.3.1	Release method	7.3.2
Destination reference	7.3.1	Responding address	7.3.1
Diagnostic information	7.3.4	Result	7.3.1
Originating address	7.3.1	Source	7.3.5
Originating reference	7.3.1	Specific information	7.3.1/7.3.2/7.3.4
Problem diagnostic	7.3.6	User reason	7.3.4
Provider reason	7.3.5		

Following is an alphabetic list of parameters contained in this clause:

Absent Subscriber Diagnostic SM	7.6.8.9	Invoke Id	7.6.1.1
Access connection status	7.6.9.3	ISDN Bearer Capability	7.6.3.41
		IST Alert Timer	7.6.3.66
		IST Information Withdrawn	7.6.3.68
		IST Support Indicator	7.6.3.69
		LCS Codeword	7.6.11.18
		LCS Codeword Applicability	7.6.11.19
		LCS Information	7.6.3.60
		LCS Service Type Id	7.6.11.15
		LCS Codeword Notification	7.6.11.22
Access signalling information	7.6.9.5	Kc	7.6.7.4
Additional Absent Subscriber Diagnostic SM	7.6.8.12	Linked Id	7.6.1.2
Additional Location Estimate	7.6.11.21	LMSI	7.6.2.16
Additional number	7.6.2.46	Location Information	7.6.2.30
		Location Information for GPRS	7.6.2.30a
Additional signal info	7.6.9.10	Location update type	7.6.9.6
Additional SM Delivery Outcome	7.6.8.11	Long Forwarded-to Number	7.6.2.22A
		Long FTN Supported	7.6.2.22B
Age Indicator	7.6.3.72	Lower Layer Compatibility	7.6.3.42
		LSA Information	7.6.3.56
		LSA Information Withdraw	7.6.3.58
Alert Reason	7.6.8.8	MC Information	7.6.4.48
Alert Reason Indicator	7.6.8.10	MC Subscription Data	7.6.4.47
Alerting Pattern	7.6.3.44	Mobile Not Reachable Reason	7.6.3.51
All GPRS Data	7.6.3.53	Modification request for CSI	7.6.3.81
All Information Sent	7.6.1.5	Modification request for SS Information	7.6.3.82
AN-apdu	7.6.9.1	More Messages To Send	7.6.8.7
APN	7.6.2.42	MS ISDN	7.6.2.17
Authentication set list	7.6.7.1	MSC number	7.6.2.11
B-subscriber Address	7.6.2.36	MSISdn-Alert	7.6.2.29
B subscriber Number	7.6.2.48	Multicall Bearer Information	7.6.2.52
B subscriber subaddress	7.6.2.49	Multiple Bearer Requested	7.6.2.53
Basic Service Group	7.6.4.40	Multiple Bearer Not Supported	7.6.2.54
Bearer service	7.6.4.38	MWD status	7.6.8.3
BSSMAP Service Handover	7.6.6.5		
Call Barring Data	7.6.3.83	NbrUser	7.6.4.45
Call barring feature	7.6.4.19	Network Access Mode	7.6.3.50
Call barring information	7.6.4.18	Network node number	7.6.2.43
Call Direction	7.6.5.8	Network resources	7.6.10.1
Call Forwarding Data	7.6.3.84	Network signal information	7.6.9.8
Call Info	7.6.9.9	New password	7.6.4.20

Call reference	7.6.5.1	No reply condition timer	7.6.4.7
Call Termination Indicator	7.6.3.67		
Called number	7.6.2.24	North American Equal Access preferred Carrier Id	7.6.2.34
Calling number	7.6.2.25	Number Portability Status	7.6.5.14
CAMEL Subscription Info	7.6.3.78	ODB Data	7.6.3.85
CAMEL Subscription Info Withdraw	7.6.3.38	ODB General Data	7.6.3.9
Cancellation Type	7.6.3.52	ODB HPLMN Specific Data	7.6.3.10
Category	7.6.3.1	OMC Id	7.6.2.18
CCBS Feature	7.6.5.8	Originally dialled number	7.6.2.26
CCBS Request State	7.6.4.49	Originating entity number	7.6.2.10
Channel Type	7.6.5.9	Override Category	7.6.4.4
Chosen Channel	7.6.5.10	P-TMSI	7.6.2.47
Chosen Radio Resource Information	7.6.6.10B	PDP-Address	7.6.2.45
Ciphering mode	7.6.7.7	PDP-Context identifier	7.6.3.55
Cksn	7.6.7.5	PDP-Type	7.6.2.44
CLI Restriction	7.6.4.5	Pre-paging supported	7.6.5.15
CM service type	7.6.9.2	Previous location area Id	7.6.2.4
Complete Data List Included	7.6.3.54	Protocol Id	7.6.9.7
CS Allocation Retention priority	7.6.3.87	Provider error	7.6.1.3
CS LCS Not Supported by UE	7.6.11.9	PS LCS Not Supported by UE	7.6.11.10
CUG feature	7.6.3.26	QoS-Subscribed	7.6.3.47
CUG index	7.6.3.25	Radio Resource Information	7.6.6.10
CUG info	7.6.3.22	Radio Resource List	7.6.6.10A
		RANAP Service Handover	7.6.6.6
CUG interlock	7.6.3.24	Rand	7.6.7.2
CUG Outgoing Access indicator	7.6.3.8	Regional Subscription Data	7.6.3.11
CUG subscription	7.6.3.23	Regional Subscription Response	7.6.3.12
CUG Subscription Flag	7.6.3.37	Relocation Number List	7.6.2.19A
Current location area Id	7.6.2.6	Requested Info	7.6.3.31
		Requested Subscription Info	7.6.3.86
Current password	7.6.4.21	Roaming number	7.6.2.19
		Roaming Restricted In SGSN Due To	7.6.3.49
		Unsupported Feature	
Deferred MT-LR Data	7.6.11.3	Roaming Restriction Due To	7.6.3.13
		Unsupported Feature	
Deferred MT-LR Response Indicator	7.6.11.2	Current Security Context	7.6.7.8
eMLPP Information	7.6.4.41	Selected RAB ID	7.6.2.56
Encryption Information	7.6.6.9	Service centre address	7.6.2.27
Equipment status	7.6.3.2	Serving Cell Id	7.6.2.37
Extensible Basic Service Group	7.6.3.5	SGSN address	7.6.2.39
Extensible Bearer service	7.6.3.3	SGSN CAMEL Subscription Info	7.6.3.75
Extensible Call barring feature	7.6.3.21	SGSN number	7.6.2.38
Extensible Call barring information	7.6.3.20	SIWF Number	7.6.2.35
		SoLSA Support Indicator	7.6.3.57
Extensible Call barring information for CSE	7.6.3.79	SM Delivery Outcome	7.6.8.6
Extensible Forwarding feature	7.6.3.16		
Extensible Forwarding info	7.6.3.15	SM-RP-DA	7.6.8.1
Extensible Forwarding information for CSE	7.6.3.80	SM-RP-MTI	7.6.8.16
		SM-RP-OA	7.6.8.2
Extensible Forwarding Options	7.6.3.18		
Extensible No reply condition timer	7.6.3.19	SM-RP-PRI	7.6.8.5
Extensible QoS-Subscribed	7.6.3.74	SM-RP-SMEA	7.6.8.17
Extensible SS-Data	7.6.3.29	SM-RP-UI	7.6.8.4
Extensible SS-Info	7.6.3.14	Sres	7.6.7.3
Extensible SS-Status	7.6.3.17	SS-Code	7.6.4.1
Extensible Teleservice	7.6.3.4	SS-Data	7.6.4.3
External Signal Information	7.6.9.4	SS-Event	7.6.4.42
Failure Cause	7.6.7.9	SS-Event-Data	7.6.4.43
Forwarded-to number	7.6.2.22	SS-Info	7.6.4.24
Forwarded-to subaddress	7.6.2.23	SS-Status	7.6.4.2
Forwarding feature	7.6.4.16	Stored location area Id	7.6.2.5
Forwarding information	7.6.4.15	Subscriber State	7.6.3.30
Forwarding Options	7.6.4.6	Subscriber Status	7.6.3.7
<u>GERAN Classmark</u>	<u>7.6.6.4</u>	Super-Charger Supported in HLR	7.6.3.70
GGSN address	7.6.2.40		
		Super-Charger Supported in Serving Network Entity	7.6.3.71
		Supported Camel4 Subsets	7.6.3.36D

GGSN number	7.6.2.41	Supported Camel4 Subsets in GMSC	7.6.3.36E
GMSC CAMEL Subscription Info	7.6.3.34	Supported Camel4 Subsets in VMSC	7.6.3.36F
GPRS enhancements support indicator	7.6.3.73	Supported Camel4 Subsets in VLR	7.6.3.36B
GPRS Node Indicator	7.6.8.14	Supported Camel4 Subsets in SGSN	7.6.3.36C
GPRS Subscription Data	7.6.3.46	Supported CAMEL Phases in VLR	7.6.3.36
GPRS Subscription Data Withdraw	7.6.3.45	Supported CAMEL Phases in SGSN	7.6.3.36A
GPRS Support Indicator	7.6.8.15	Supported GAD Shapes	7.6.11.20
Group Id	7.6.2.33	Supported LCS Capability Sets	7.6.11.17
GSM bearer capability	7.6.3.6	Suppress Incoming Call Barring	7.6.3.b
gsmSCF Address	7.6.2.58	Suppress T-CSI	7.6.3.33
gsmSCF Initiated Call	7.6.3.c	Suppress VT-CSI	7.6.3.a
Guidance information	7.6.4.22	Suppression of Announcement	7.6.3.32
Handover number	7.6.2.21	Target cell Id	7.6.2.8
High Layer Compatibility	7.6.3.43	Target location area Id	7.6.2.7
HLR Id	7.6.2.15	Target RNC Id	7.6.2.8A
HLR number	7.6.2.13	Target MSC number	7.6.2.12
HO-Number Not Required	7.6.6.7	Teleservice	7.6.4.39
IMEI	7.6.2.3	TMSI	7.6.2.2
IMSI	7.6.2.1	Trace reference	7.6.10.2
Integrity Protection Information	7.6.6.8	Trace type	7.6.10.3
Inter CUG options	7.6.3.27	User error	7.6.1.4
Intra CUG restrictions	7.6.3.28	USSD Data Coding Scheme	7.6.4.36
		USSD String	7.6.4.37
		UU Data	7.6.5.12
		UUS CF Interaction	7.6.5.13
		VBS Data	7.6.3.40
		VGCS Data	7.6.3.39
		VLR CAMEL Subscription Info	7.6.3.35
		VLR number	7.6.2.14
		VPLMN address allowed	7.6.3.48
		Zone Code	7.6.2.28

\*\*\*\* NEXT MODIFIED SECTION \*\*\*\*

## 7.6.6 Radio parameters

7.6.6.1 - 7.6.6.43 Void

### 7.6.6.4 GERAN Classmark

This information element is sent from one- MSC -to the other MSC in the signalling for inter MSC handover. It is used to convey information related to cell capabilities, as defined in 3GPP TS 48.008.

\*\*\*\* NEXT MODIFIED SECTION \*\*\*\*

## 8.4.1 MAP\_PREPARE\_HANDOVER service

### 8.4.1.1 Definition

This service is used between MSC-A and MSC-B (E-interface) when a call is to be handed over or relocated from MSC-A to MSC-B.

The MAP\_PREPARE\_HANDOVER service is a confirmed service using the primitives from table 8.4/1.

### 8.4.1.2 Service primitives

**Table 8.4/1: MAP\_PREPARE\_HANDOVER**

Parameter name	Request	Indication	Response	Confirm
Invoke Id	M	M(=)	M(=)	M(=)
Target Cell Id	C	C(=)		
Target RNC Id	C	C(=)		
HO-NumberNotRequired	C	C(=)		
IMSI	C	C(=)		
Integrity Protection Information	C	C(=)		
Encryption Information	C	C(=)		
Radio Resource Information	C	C(=)		
AN-APDU	C	C(=)	C	C(=)
Allowed GSM Algorithms	C	C(=)		
Allowed UMTS Algorithms	C	C(=)		
Radio Resource List	C	C(=)		
RAB ID	C	C(=)		
GERAN Classmark	C	C(=)		
BSSMAP Service Handover	C	C(=)		
RANAP Service Handover	C	C(=)		
Handover Number			C	C(=)
Relocation Number List			C	C(=)
Multicall Bearer Information			C	C(=)
Multiple Bearer Requested	C	C(=)		
Multiple Bearer Not Supported			C	C(=)
Selected UMTS Algorithms			C	C(=)
Chosen Radio Resource Information			C	C(=)
User error			C	C(=)
Provider error				O

### 8.4.1.3 Parameter use

#### Invoke Id

For definition of this parameter see clause 7.6.1.

#### Target Cell Id

For definition of this parameter see clause 7.6.2. This parameter is only included if the service is not in an ongoing transaction. This parameter shall also be excluded if the service is a part of the Inter-MSC SRNS Relocation procedure or the inter-system handover GSM to UMTS procedure described in 3G TS 23.009.

#### Target RNC Id

For definition of this parameter see clause 7.6.2. This parameter shall be included if the service is a part of the Inter-MSC SRNS Relocation procedure or the inter-system handover GSM to UMTS procedure described in 3G TS 23.009.

#### HO-Number Not Required

For definition of this parameter see clause 7.6.6.

#### IMSI

For definition of this parameter see clause 7.6.2. This UMTS parameter shall be included if:

- available and
- if the access network protocol is BSSAP and
- there is an indication that the MS also supports UMTS.

#### Integrity Protection Information

For definition of this parameter see clause 7.6.6. This UMTS parameter shall be included if available and if the access network protocol is BSSAP.

#### Encryption Information

For definition of this parameter see clause 7.6.6. This UMTS parameter shall be included if available and if the access network protocol is BSSAP.

#### Radio Resource Information

For definition of this parameter see clause 7.6.6. This GSM parameter shall be included if the access network protocol is RANAP and there is an indication that the UE also supports GSM. If the parameter Radio Resource List is sent , the parameter Radio Resource Information shall not be sent.

#### AN-APDU

For definition of this parameter see clause 7.6.9.

#### Allowed GSM Algorithms

For definition of this parameter see clause 7.6.6. This parameters includes allowed GSM algorithms. This GSM parameter shall be included if:

- the service is a part of the Inter-MSC SRNS Relocation procedure and
- Ciphering or Security Mode Setting procedure has been performed.and
- there is an indication that the UE also supports GSM.

#### Allowed UMTS Algorithms

For definition of this parameter see clause 7.6.6. This UMTS parameter shall be included if all of the following conditions apply:

- access network protocol is BSSAP and
- Integrity Protection Information and Encryption Information are not available and

Ciphering or Security Mode Setting procedure has been performed.

#### Radio Resource List

For definition of this parameter see clause 7.6.6. This parameter shall be included if the access network protocol is RANAP and there is an indication that the UE also supports GSM. This parameter shall be sent when MSC-A requests multiple bearers to MSC-B. If the parameter Radio Resource Information is sent , the parameter Radio Resource List shall not be sent.

#### RAB ID

For definition of this parameter see subclause 7.6.2. This parameter shall be included when MSC-A supports multiple bearers and access network protocol is BSSAP and the RAB ID has a value other than 1.

#### GERAN Classmark

For definition of this parameter see subclause 7.6.6 This parameter shall be included if available.

#### BSSMAP Service Handover

For definition of this parameter see clause 7.6.6. It shall be present if it is available.

RANAP Service Handover

For definition of this parameter see clause 7.6.6. It shall be present if it is available.

Handover Number

For definition of this parameter see clause 7.6.2. This parameter shall be returned at handover, unless the parameter HO-NumberNotRequired is sent. If the parameter Handover Number is returned, the parameter Relocation Number List shall not be returned.

Relocation Number List

For definition of this parameter see clause 7.6.2. This parameter shall be returned at relocation, unless the parameter HO-NumberNotRequired is sent. If the parameter Relocation Number List is returned, the parameter Handover Number shall not be returned.

Multicall Bearer Information

For a definition of this parameter see clause 7.6.2. This parameter shall be returned at relocation in the case that MSC-B supports multiple bearers.

Multiple Bearer Requested

For a definition of this parameter see clause 7.6.2. This parameter shall be sent when MSC-A requests multiple bearers to MSC-B.

Multiple Bearer Not Supported

For a definition of this parameter see clause 7.6.2. This parameter shall be returned at relocation when MSC-B receives Multiple Bearer Requested parameter and MSC-B does not support multiple bearers.

Selected UMTS Algorithms

For definition of this parameter see clause 7.6.6. This parameters includes the UMTS integrity and optionally encryption algorithms selected by RNC under the control of MSC-B. This UMTS parameter shall be included if the service is a part of the inter MSC inter system handover from GSM to UMTS.

Chosen Radio Resource Information

For definition of this parameter see clause 7.6.6. This parameter shall be returned at relocation if the encapsulated PDU is RANAP RAB Assignment Response and MS is in GSM access.

User error

For definition of this parameter see clause 7.6.1. The following errors defined in clause 7.6.1 may be used, depending on the nature of the fault:

- No handover number available.
- Target cell outside group call area;
- System failure.
- Unexpected data value.
- Data Missing.

Provider error

See definition of provider errors in clause 7.6.1.

\*\*\*\* NEXT MODIFIED SECTION \*\*\*\*



## 8.4.5 MAP\_PREPARE\_SUBSEQUENT\_HANOVER service

### 8.4.5.1 Definition

This service is used between MSC-B and MSC-A (E-interface) to inform MSC-A that it has been decided that a handover or relocation to either MSC-A or a third MSC (MSC-B') is required.

The MAP\_PREPARE\_SUBSEQUENT\_HANOVER service is a confirmed service using the primitives from table 8.4/5.

### 8.4.5.2 Service primitives

**Table 8.4/5: MAP\_PREPARE\_SUBSEQUENT\_HANOVER**

Parameter name	Request	Indication	Response	Confirm
Invoke Id	M	M(=)	M(=)	M(=)
Target Cell Id	C	C(=)		
Target RNC Id	C	C(=)		
Target MSC Number	M	M(=)		
Selected RAB ID	C	C(=)		
GERAN Classmark	C	C(=)		
AN-APDU	M	M(=)	C	C(=)
User error			C	C(=)
Provider error				O

### 8.4.5.3 Parameter use

#### Invoke Id

For definition of this parameter see clause 7.6.1.

#### Target Cell Id

For definition of this parameter see clause 7.6.2. This parameter shall be excluded if the service is a part of the Inter-MSC SRNS Relocation procedure or the inter-system handover GSM to UMTS procedure described in 3G TS 23.009.

#### Target RNC Id

For definition of this parameter see clause 7.6.2. This parameter shall be included if the service is a part of the Inter-MSC SRNS Relocation procedure or the inter-system handover GSM to UMTS procedure described in 3G TS 23.009.

#### Target MSC Number

For definition of this parameter see clause 7.6.2.

#### Selected RAB ID

For definition of this parameter see clause 7.6.2.

#### GERAN Classmark

For definition of this parameter see subclause 7.6.6 This parameter shall be included if available.

#### AN-APDU

For definition of this parameter see clause 7.6.9.

#### User error

For definition of this parameter see clause 7.6.1. The following error causes defined in clause 7.6.1 may be used, depending on the nature of the fault:

- Unknown MSC;
- Subsequent handover failure;
- Unexpected data value;
- Data Missing.

#### Provider error

For definition of this parameter see clause 7.6.1.

\*\*\*\* NEXT MODIFIED SECTION \*\*\*\*

### 17.7.1 Mobile Service data types

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PrepareHO-Arg ::= [3] SEQUENCE {
  targetCellId           [0] GlobalCellId           OPTIONAL,
  ho-NumberNotRequired  NULL                       OPTIONAL,
  targetRNCId           [1] RNCId                   OPTIONAL,
  an-APDU                [2] AccessNetworkSignalInfo OPTIONAL,
  multipleBearerRequested [3] NULL                   OPTIONAL,
  imsi                   [4] IMSI                    OPTIONAL,
  integrityProtectionInfo [5] IntegrityProtectionInformation OPTIONAL,
  encryptionInfo         [6] EncryptionInformation  OPTIONAL,
  radioResourceInformation [7] RadioResourceInformation OPTIONAL,
  allowedGSM-Algorithms  [9] AllowedGSM-Algorithms  OPTIONAL,
  allowedUMTS-Algorithms [10] AllowedUMTS-Algorithms OPTIONAL,
  radioResourceList      [11] RadioResourceList      OPTIONAL,
  extensionContainer      [8] ExtensionContainer      OPTIONAL,
  ... ,
  rab-Id                 [12] RAB-Id                 OPTIONAL,
  bssmap-ServiceHandover [13] BSSMAP-ServiceHandover OPTIONAL,
  ranap-ServiceHandover  [14] RANAP-ServiceHandover  OPTIONAL,
  geran-classmark        [xx] GERAN-Classmark        OPTIONAL
}

```

.....

```

PrepareSubsequentHO-Arg ::= [3] SEQUENCE {
  targetCellId           [0] GlobalCellId           OPTIONAL,
  targetMSC-Number       [1] ISDN-AddressString,    OPTIONAL,
  targetRNCId           [2] RNCId                   OPTIONAL,
  an-APDU                [3] AccessNetworkSignalInfo OPTIONAL,
  selectedRab-Id         [4] RAB-Id                 OPTIONAL,
  extensionContainer      [5] ExtensionContainer      OPTIONAL,
  ... ,
  geran-classmark        [x] GERAN-Classmark        OPTIONAL
}

```

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```

GERAN-Classmark ::= OCTET STRING (SIZE (2..87))
  -- Octets are coded according the GERAN Classmark information element in 3G TS 48.008

```