

**Source:** T3

**Title:** Change Requests to GSM 11.14 "SIM application Toolkit"

**Agenda item:** 6.3.3

**Document for:** Approval

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This document contains several change requests to TS 11.14 v 7.5.0 and v8.3.0 agreed by T3.

<b>T3 Doc</b>	<b>Spec</b>	<b>CR</b>	<b>Rv</b>	<b>Rel</b>	<b>Subject</b>
T3-000472	11.14	A183		R98	Clarification for Alpha Identifier in PLAY TONE
T3-000473	11.14	A184		R99	Clarification for Alpha Identifier in PLAY TONE
T3-000484	11.14	A185		R98	EVENT DOWNLOAD-MT call : correction of the sub-address description
T3-000485	11.14	A186		R99	EVENT DOWNLOAD-MT call : correction of the sub-address description
T3-000469	11.14	A187		R98	correction to GET INPUT regarding number of response string variables
T3-000468	11.14	A188		R99	correction to GET INPUT regarding number of response string variables

# CHANGE REQUEST

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

**11.14 CR A183**

Current Version: **7.5.0**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG-T #9**  
list expected approval meeting # here ↑

for approval   
for information

strategic  (for SMG use only)  
non-strategic

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

**Proposed change affects:**

(at least one should be marked with an X)

(U)SIM  ME  UTRAN / Radio  Core Network

**Source:**

T3

**Date:**

18/08/2000

**Subject:**

Clarification for Alpha Identifier in PLAY TONE

**Work item:**

**Category:**

(only one category shall be marked with an X)

F Correction   
A Corresponds to a correction in an earlier release   
B Addition of feature   
C Functional modification of feature   
D Editorial modification

**Release:**

Phase 2   
Release 96   
Release 97   
Release 98   
Release 99   
Release 00

**Reason for change:**

This CR aims to clarify the handling of Alpha Identifier in PLAY TONE.

**Clauses affected:**

6.4.5

**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.

## 6.4.5 PLAY TONE

This command instructs the ME to play an audio tone.

Upon receiving this command, the ME shall check if it is currently in, or in the process of setting up (SET-UP message sent to the network, see GSM 04.08 [8]), a speech call.

- If the ME is in, or is setting up a speech call, it shall superimpose the tone on top of the downlink audio (if any), for the duration given in the command. The progress or current state of the call shall not be affected in any way. The ME shall send the TERMINAL RESPONSE (Command performed successfully) as soon as possible after the tone has been completed and, if an alpha identifier was included and displayed, the screen is available for subsequent information display.
- If the ME is not in or setting up a speech call, it shall route the audio to the external ringer, or other appropriate audio device, and play the tone for the duration given in the command. The ME shall send the TERMINAL RESPONSE (Command performed successfully) as soon as possible after the tone has been completed and, if an alpha identifier was included and displayed, the screen is available for subsequent information display.
- If the user has indicated the need to end the proactive SIM application session while the ME plays the tone, the ME shall stop playing the tone and shall send a TERMINAL RESPONSE with "Proactive SIM application session terminated by the user" result value.
- If ME support for the specific tone requested is optional, and the ME does not support this particular tone, the ME shall inform the SIM using TERMINAL RESPONSE (Command beyond ME's capabilities).

This proactive command contains no information on how a call is progressing; therefore the ME shall not generate any verbal indication or display any text or graphical indication about the normal meaning of this tone (e.g. display "called subscriber busy"). If the SIM wishes to convey a meaning in text to the user, it shall do this through the alpha identifier data object and/or an icon (see 6.5.4).

The use of this alpha identifier by the ME is described below.

- If the alpha identifier is provided by the SIM and is not a null data object, the ME shall use it to inform the user. If an icon is provided by the SIM, the icon indicated in the command may be used by the ME to inform the user, in addition to, or instead of the alpha identifier, as indicated with the icon qualifier (see subclause 6.5.4).
- If the alpha identifier is provided by the SIM and is a null data object (i.e. length = '00' and no value part), the ME should not give any information to the user.
- If the alpha identifier is not provided by the SIM, the ME may give information to the user concerning what is happening

If the ME is required to generate a supervisory tone due to the progress of the current call (e.g. the network sends the ME call control cause information) as defined in GSM 02.40 [18], then the call supervisory tone shall take precedence over the tone requested by the SIM.

# CHANGE REQUEST

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**11.14 CR A184**

Current Version: **8.3.0**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG-T #9**  
list expected approval meeting # here ↑

for approval   
for information

strategic  (for SMG use only)  
non-strategic

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

**Proposed change affects:**

(at least one should be marked with an X)

(U)SIM  ME  UTRAN / Radio  Core Network

**Source:**

T3

**Date:**

18/08/2000

**Subject:**

Clarification for Alpha Identifier in PLAY TONE

**Work item:**

**Category:**

(only one category shall be marked with an X)

F Correction   
A Corresponds to a correction in an earlier release   
B Addition of feature   
C Functional modification of feature   
D Editorial modification

**Release:**

Phase 2   
Release 96   
Release 97   
Release 98   
Release 99   
Release 00

**Reason for change:**

This CR aims to clarify the handling of Alpha Identifier in PLAY TONE.

**Clauses affected:**

6.4.5

**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:**



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- If the alpha identifier is provided by the SIM and is a null data object (i.e. length = '00' and no value part), the ME should not give any information to the user.
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# CHANGE REQUEST

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**GSM 11.14 CR A185**

Current Version: **V7.5.0**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG-T #9**  
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**Proposed change affects:**  
(at least one should be marked with an X)

(U)SIM  ME  UTRAN / Radio  Core Network

**Source:**

T3

**Date:**

28/08/2000

**Subject:**

EVENT DOWNLOAD-MT call : correction of the sub-address description

**Work item:**

T.E.I.

**Category:**

(only one category shall be marked with an X)

F Correction   
A Corresponds to a correction in an earlier release   
B Addition of feature   
C Functional modification of feature   
D Editorial modification

**Release:**

Phase 2   
Release 96   
Release 97   
Release 98   
Release 99   
Release 00

**Reason for change:**

An ambiguity lies in the description of the EVENT DOWNLOAD-MT call description. The 'called line party subaddress' should be renamed as 'subaddress'.

**Clauses affected:**

6.6.12, 9.1.6, 11.1.2, 12.3, 13.3

**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:**

CR to GSM11.14 R'99 also needed  
CR to 3G TS 31.111 R'99 also needed



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

## 6.6.12 SET UP CALL

Description	Section	M/O	Min	Length
Proactive SIM command Tag	13.2	M	Y	1
Length (A+B+C+D+E+F+G+H+I+J)	-	M	Y	1 or 2
Command details	12.6	M	Y	A
Device identities	12.7	M	Y	B
Alpha identifier (user confirmation phase)	12.2	O	N	C
Address	12.1	M	Y	D
Capability configuration parameters	12.4	O	N	E
<del>Called party s</del> Subaddress	12.3	O	N	F
Duration	12.8	O	N	G
Icon identifier (user confirmation phase)	12.31	O	N	H
Alpha identifier (call set up phase)	12.2	O	N	I
Icon identifier (call set up phase)	12.31	O	N	J

If the capability configuration parameters are not present, the ME shall assume the call is a speech call.

If the ~~called party~~-subaddress is not present, the ME shall not provide a called party subaddress to the network.

If the duration is not present, the SIM imposes no restrictions on the ME of the maximum duration of redials.

## 9.1.6 Structure of ENVELOPE (CALL CONTROL)

Direction: ME to SIM.

The command header is specified in GSM 11.11 [20].

Command parameters/data:

Description	Section	M/O	Min	Length
Call control tag	13.1	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Device identities	12.7	M	Y	A
Address or SS string or USSD string	12.1, 12.14 or 12.17	M	Y	B
Capability configuration parameters 1	12.4	O	N	C
<del>Called party s</del> Subaddress	12.3	O	N	D
Location information	12.19	M	N	E
Capability configuration parameters 2	12.4	O	N	F

- Device identities: the ME shall set the device identities to:
  - Source: ME
  - Destination: SIM
- Address or SS string or USSD string: only one data object shall be sent to the SIM.

For a call set-up, the address data object is used and holds the Called Party Number, as defined in GSM 04.08 [8], to which the ME is proposing setting up the call.

For a supplementary service, the SS string data object is used and holds the corresponding supplementary service.

For a USSD operation, the USSD string data object is used and holds the corresponding USSD control string.

SIM Applications and MEs should take into account that early implementations of SIM application Toolkit use the SS string data object for coding of USSD control strings (instead of the USSD string data object). This behaviour is only possible for USSD control strings consisting of digits (0-9,\*,#). The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE. The ME can identify SIMs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the SIM Service Table.

- Capability configuration parameters: Only used for a call set-up, this contains the Bearer capabilities that the ME is proposing to send to the network. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. The second capability configuration parameters correspond to the bearer capability 2 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. If no capability configuration parameters are present, this shall indicate a speech call.
- ~~Called party s~~Subaddress: Only used for a call set-up, this contains the called party subaddress that the ME is proposing to send to the network. If one is not present, this shall indicate that the ME is proposing not to send this information element to the network.
- Location information: This data object contains the identification (MCC, MNC, LAC, Cell Identity) of the current serving cell of the MS. The comprehension required flag of this data object in this command shall be set to '0'.

Response parameters/data:

It is permissible for the SIM to provide no response data, by responding with SW1 / SW2 = '90 00'. If the SIM does not provide any response data, then this shall have the same meaning as "allowed, no modification".



Description	Section	M/O	Min	Length
Call control result	-	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14 or 12.17	O	N	A
Capability configuration parameters 1	12.4	O	N	B
<del>Called party s</del> Subaddress	12.3	O	N	C
Alpha identifier	12.2	O	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	O	N	F

- Call control result:

Contents: the command that the SIM gives to the ME concerning whether to allow, bar or modify the proposed call (or supplementary service operation).

Coding:

'00' = Allowed, no modification

'01' = Not allowed

'02' = Allowed with modifications

- Address or SS string or USSD string : Only one data object may be included if the SIM requests the call (or supplementary service or USSD operation) details to be modified.

The SIM should take into account that early implementations of SIM Application Toolkit in some MEs are unable to support coding of USSD control strings in the USSD string data object and the SIM should instead use the SS string data object. The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE.

For a call set-up, if the address data object is not present, then the ME shall assume the Dialling number is not to be modified.

For a supplementary service, if the SS string data object is not present, then the ME shall assume that SS is not to be modified.

For a USSD operation, if the USSD string data object is not present, then the ME shall assume that the USSD operation is not to be modified.

- Capability configuration parameters: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. The second capability configuration parameters corresponds to the bearer capability 2 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. If the capability configuration parameters are not present, then the ME shall assume the parameters are not to be modified.
- ~~Called party s~~Subaddress: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. If the ~~called party s~~subaddress is not present, then the ME shall assume the [called party](#) subaddress is not to be modified. If the subaddress supplied by the SIM is a null data object, then the ME shall not provide a called party subaddress to the network. A null data object shall have length = '00' and no value part.

## 11.1.2 Structure of ENVELOPE (EVENT DOWNLOAD - MT call)

Direction: ME to SIM

The command header is specified in GSM 11.11 [20].

Command parameters/data:

Description	Section	M/O	Min	Length
Event download tag	13.1	M	Y	1
Length (A+B+C+D+E)	-	M	Y	1 or 2
Event list	12.25	M	Y	A
Device identities	12.7	M	Y	B
Transaction identifier	12.28	M	Y	C
Address	12.1	M/O	N	D
Called party's Subaddress	12.3	M/O	N	E

M/O reflects that inclusion of the object is conditional, as defined in the text below.

- Event list: the event list object shall contain only one event (value part of length 1 byte), and ME shall set the event to:  
MT call
- Device identities: the ME shall set the device identities to:  
Source: Network  
Destination: SIM
- Transaction identifier: the transaction identifier data object shall contain one transaction identifier, and this shall be the Transaction Identifier in the SETUP message from the network.
- Address: The address data object holds the Calling ~~Line Identity~~Party BCD number as received by the ME in the SETUP message. If the Calling ~~Line Identity~~Party BCD number is included in the SETUP message, the ME shall include the Address object, otherwise the ME shall not include the Address object.
- ~~Called party's~~Subaddress: The ~~called party's~~Subaddress data object holds the Calling ~~Line Identity~~Party Subaddress as received by the ME in the SETUP message. If the Calling ~~Line Identity~~Party Subaddress is included in the SETUP message, the ME shall include the ~~Called party's~~Subaddress object, otherwise the ME shall not include the ~~called party's~~Subaddress object.

Response parameters/data:

None.

## 12.3 ~~Called party s~~Subaddress

Byte(s)	Description	Length
1	<del>Called party s</del> Subaddress tag	1
2 to (Y-1)+2	Length (X)	Y
(Y-1)+3 to (Y-1)+X+2	<del>Called party s</del> Subaddress	X

~~Called party s~~Subaddress contains information as defined for this purpose in GSM 04.08 [8] ([calling party subaddress](#) or [called party subaddress](#)). All information defined in GSM 04.08 shall be given in the value part of the data object, except the information element identifier and the length of ~~called party~~ subaddress contents (which is given by the length part of the data object).

### 13.3 SIMPLE-TLV tags in both directions

8	7	6	5	4	3	2	1
CR	Tag value						

CR: Comprehension required for this object.

Unless otherwise stated, for SIMPLE-TLV data objects it is the responsibility of the SIM application and the ME to decide the value of the CR flag for each data object in a given command.

Handling of the CR flag at the receiving entity is described in subclause 6.10.

CR	Value
Comprehension required	1
Comprehension not required	0

Description	Length of tag	Tag value, bits 1-7 (Range: '01' - '7E')	Tag (CR and Tag value)
Command details tag	1	'01'	'01' or '81'
Device identity tag	1	'02'	'02' or '82'
Result tag	1	'03'	'03' or '83'
Duration tag	1	'04'	'04' or '84'
Alpha identifier tag	1	'05'	'05' or '85'
Address tag	1	'06'	'06' or '86'
Capability configuration parameters tag	1	'07'	'07' or '87'
Called party's Subaddress tag	1	'08'	'08' or '88'
SS string tag	1	'09'	'09' or '89'
USSD string tag	1	'0A'	'0A' or '8A'
SMS TPDU tag	1	'0B'	'0B' or '8B'

# CHANGE REQUEST

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

**GSM 11.14 CR A186**

Current Version: **V8.3.0**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG-T #9**  
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**Proposed change affects:**

(at least one should be marked with an X)

(U)SIM  ME  UTRAN / Radio  Core Network

**Source:**

T3

**Date:**

28/08/2000

**Subject:**

EVENT DOWNLOAD-MT call : correction of the sub-address description

**Work item:**

T.E.I.

**Category:**

(only one category shall be marked with an X)

F Correction   
A Corresponds to a correction in an earlier release   
B Addition of feature   
C Functional modification of feature   
D Editorial modification

**Release:**

Phase 2   
Release 96   
Release 97   
Release 98   
Release 99   
Release 00

**Reason for change:**

An ambiguity lies in the description of the EVENT DOWNLOAD-MT call description. The 'called line party subaddress' should be renamed as 'subaddress'.

**Clauses affected:**

6.6.12, 6.6.27, 9.1.6, 11.1.2, 12.3, 13.3

**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:**

CR to GSM11.14 R'98 also needed  
CR to 3G TS 31.111 R'99 also needed



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

## 6.6.12 SET UP CALL

Description	Section	M/O	Min	Length
Proactive SIM command Tag	13.2	M	Y	1
Length (A+B+C+D+E+F+G+H+I+J)	-	M	Y	1 or 2
Command details	12.6	M	Y	A
Device identities	12.7	M	Y	B
Alpha identifier (user confirmation phase)	12.2	O	N	C
Address	12.1	M	Y	D
Capability configuration parameters	12.4	O	N	E
<del>Called party s</del> Subaddress	12.3	O	N	F
Duration	12.8	O	N	G
Icon identifier (user confirmation phase)	12.31	O	N	H
Alpha identifier (call set up phase)	12.2	O	N	I
Icon identifier (call set up phase)	12.31	O	N	J

If the capability configuration parameters are not present, the ME shall assume the call is a speech call.

If the ~~called party~~-subaddress is not present, the ME shall not provide a called party subaddress to the network.

If the duration is not present, the SIM imposes no restrictions on the ME of the maximum duration of redials.

## 6.6.27 OPEN CHANNEL

Description	Section	M/O	Min	Length
Proactive SIM command Tag	13.2	M	Y	1
Length (A+B+C+D+E+F+G+H+I+J+K+L+M+N+O+P+Q)	-	M	Y	1 or 2
Command details	12.6	M	Y	A
Device identities	12.7	M	Y	B
Alpha identifier	12.2	O	N	C
Icon identifier	12.31	O	N	D
Address	12.1	C	Y	E
Called party sSubaddress	12.3	O	N	F
Duration 1	12.8	O	N	G
Duration 2	12.8	O	N	H
Bearer description	12.52	M	Y	I
Buffer size	12.55	M	N	J
URL (Access Point address)	12.48	O	N	K
Other address (local address)	12.58	O	N	L
Text String (User login)	12.15	O	N	M
Text String (User password)	12.15	O	N	N
SIM/ME interface transport level	12.59	O	N	O
URL (data destination address)	12.48	C	Y	P
Other address (data destination address)	12.58	C	Y	Q

The Address is requested for CS bearer, for other bearer it is ignored. If the parameter is not present, the mobile uses the default address mobile configuration if any.

The Subaddress may be requested for CS bearer only, for other bearer it is ignored. If the `called-party-s`subaddress is not present, the ME shall not provide a called party subaddress to the network.

Duration 1 indicates the duration of reconnection tries. If Duration 1 is not present, the SIM imposes no restrictions on the ME.

Duration 2 indicates the timeout value before the ME releases the link if there is no data exchanged on the link. If duration 2 is not present the link is never released automatically by the ME.

The Access point address may be requested for GPRS bearer only. For other bearers, it shall be ignored. The Access point address parameter is a URL (see 12.48) which provides information to the ME necessary to identify the entity which provides interworking with an external network. If the parameter is not present, the mobile may use the default access point address mobile configuration or subscription value.

The local address parameter (see 12.58) provides information to the ME necessary to identify the local device (i.e. it provides an IP address). If local address length is null, dynamic local address is required. If parameter is not present, the mobile may use the mobile default local address configuration.

User login parameter is a text string (see 12.15) which provides information to the ME necessary to answer authentication challenge by supplying access login (e.g. it may provide PPP login). If parameter is not present, the mobile uses default login configuration if any. If no authentication challenge is requested, the user login parameter shall be ignored.

User password parameter is a text string (see 12.15) which provides information to the ME necessary to answer authentication challenge by supplying access password (e.g. it may provide PPP password). If the parameter is not present, the mobile may use the default password configuration if any. If no authentication challenge is requested, the user password parameter shall be ignored.

If the SIM/ME interface transport level is present in the command, then the ME shall provide the requested transport layer protocols under the channel and shall use this object containing a set of parameters required to make the transport connection. If the parameter is not present, the SIM/ME interface is the bearer level (serial link or packet link as AT command defined in TS 27.007 [27]). The data that will be received/sent from the SAT to the transport layer is a SDU that will be received/transmitted in the Transport-PDU.

## 9.1.6 Structure of ENVELOPE (CALL CONTROL)

Direction: ME to SIM.

The command header is specified in GSM 11.11 [20].

Command parameters/data:

Description	Section	M/O	Min	Length
Call control tag	13.1	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Device identities	12.7	M	Y	A
Address or SS string or USSD string	12.1, 12.14 or 12.17	M	Y	B
Capability configuration parameters 1	12.4	O	N	C
Called party sSubaddress	12.3	O	N	D
Location information	12.19	M	N	E
Capability configuration parameters 2	12.4	O	N	F

- Device identities: the ME shall set the device identities to:
  - Source: ME
  - Destination: SIM
- Address or SS string or USSD string: only one data object shall be sent to the SIM.

For a call set-up, the address data object is used and holds the Called Party Number, as defined in GSM 04.08 [8], to which the ME is proposing setting up the call.

For a supplementary service, the SS string data object is used and holds the corresponding supplementary service.

For a USSD operation, the USSD string data object is used and holds the corresponding USSD control string.

SIM Applications and MEs should take into account that early implementations of SIM application Toolkit use the SS string data object for coding of USSD control strings (instead of the USSD string data object). This behaviour is only possible for USSD control strings consisting of digits (0-9,\*,#). The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE. The ME can identify SIMs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the SIM Service Table.

- Capability configuration parameters: Only used for a call set-up, this contains the Bearer capabilities that the ME is proposing to send to the network. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. The second capability configuration parameters correspond to the bearer capability 2 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. If no capability configuration parameters are present, this shall indicate a speech call.
- ~~Called party s~~Subaddress: Only used for a call set-up, this contains the called party subaddress that the ME is proposing to send to the network. If one is not present, this shall indicate that the ME is proposing not to send this information element to the network.
- Location information: This data object contains the identification (MCC, MNC, LAC, Cell Identity) of the current serving cell of the MS. The comprehension required flag of this data object in this command shall be set to '0'.

Response parameters/data:

It is permissible for the SIM to provide no response data, by responding with SW1 / SW2 = '90 00'. If the SIM does not provide any response data, then this shall have the same meaning as "allowed, no modification".



Description	Section	M/O	Min	Length
Call control result	-	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14 or 12.17	O	N	A
Capability configuration parameters 1	12.4	O	N	B
<del>Called party s</del> Subaddress	12.3	O	N	C
Alpha identifier	12.2	O	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	O	N	F

- Call control result:

Contents: the command that the SIM gives to the ME concerning whether to allow, bar or modify the proposed call (or supplementary service operation).

Coding:

'00' = Allowed, no modification

'01' = Not allowed

'02' = Allowed with modifications

- Address or SS string or USSD string : Only one data object may be included if the SIM requests the call (or supplementary service or USSD operation) details to be modified.

The SIM should take into account that early implementations of SIM Application Toolkit in some MEs are unable to support coding of USSD control strings in the USSD string data object and the SIM should instead use the SS string data object. The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE.

For a call set-up, if the address data object is not present, then the ME shall assume the Dialling number is not to be modified.

For a supplementary service, if the SS string data object is not present, then the ME shall assume that SS is not to be modified.

For a USSD operation, if the USSD string data object is not present, then the ME shall assume that the USSD operation is not to be modified.

- Capability configuration parameters: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. The second capability configuration parameters corresponds to the bearer capability 2 information element of a mobile originating SETUP message, as defined in GSM 04.08 [8]. If the capability configuration parameters are not present, then the ME shall assume the parameters are not to be modified.
- ~~Called party s~~Subaddress: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. If the ~~called party s~~subaddress is not present, then the ME shall assume the [called party](#) subaddress is not to be modified. If the subaddress supplied by the SIM is a null data object, then the ME shall not provide a called party subaddress to the network. A null data object shall have length = '00' and no value part.

## 11.1.2 Structure of ENVELOPE (EVENT DOWNLOAD - MT call)

Direction: ME to SIM

The command header is specified in GSM 11.11 [20].

Command parameters/data:

Description	Section	M/O	Min	Length
Event download tag	13.1	M	Y	1
Length (A+B+C+D+E)	-	M	Y	1 or 2
Event list	12.25	M	Y	A
Device identities	12.7	M	Y	B
Transaction identifier	12.28	M	Y	C
Address	12.1	M/O	N	D
Called party's Subaddress	12.3	M/O	N	E

M/O reflects that inclusion of the object is conditional, as defined in the text below.

- Event list: the event list object shall contain only one event (value part of length 1 byte), and ME shall set the event to:  
MT call
- Device identities: the ME shall set the device identities to:  
Source: Network  
Destination: SIM
- Transaction identifier: the transaction identifier data object shall contain one transaction identifier, and this shall be the Transaction Identifier in the SETUP message from the network.
- Address: The address data object holds the Calling ~~Line Identity~~Party BCD number as received by the ME in the SETUP message. If the Calling ~~Line Identity~~Party BCD number is included in the SETUP message, the ME shall include the Address object, otherwise the ME shall not include the Address object.
- ~~Called party's~~Subaddress: The ~~called party's~~Subaddress data object holds the Calling ~~Line Identity~~Party Subaddress as received by the ME in the SETUP message. If the Calling ~~Line Identity~~Party Subaddress is included in the SETUP message, the ME shall include the ~~Called party's~~Subaddress object, otherwise the ME shall not include the ~~called party's~~Subaddress object.

Response parameters/data:

None.

## 12.3 ~~Called party s~~Subaddress

Byte(s)	Description	Length
1	<del>Called party s</del> Subaddress tag	1
2 to (Y-1)+2	Length (X)	Y
(Y-1)+3 to (Y-1)+X+2	<del>Called party s</del> Subaddress	X

~~Called party s~~Subaddress contains information as defined for this purpose in GSM 04.08 [8] ([calling party subaddress](#) or [called party subaddress](#)). All information defined in GSM 04.08 shall be given in the value part of the data object, except the information element identifier and the length of ~~called party~~ subaddress contents (which is given by the length part of the data object).

### 13.3 SIMPLE-TLV tags in both directions

8	7	6	5	4	3	2	1
CR	Tag value						

CR: Comprehension required for this object.

Unless otherwise stated, for SIMPLE-TLV data objects it is the responsibility of the SIM application and the ME to decide the value of the CR flag for each data object in a given command.

Handling of the CR flag at the receiving entity is described in subclause 6.10.

CR	Value
Comprehension required	1
Comprehension not required	0

Description	Length of tag	Tag value, bits 1-7 (Range: '01' - '7E')	Tag (CR and Tag value)
Command details tag	1	'01'	'01' or '81'
Device identity tag	1	'02'	'02' or '82'
Result tag	1	'03'	'03' or '83'
Duration tag	1	'04'	'04' or '84'
Alpha identifier tag	1	'05'	'05' or '85'
Address tag	1	'06'	'06' or '86'
Capability configuration parameters tag	1	'07'	'07' or '87'
Called party's Subaddress tag	1	'08'	'08' or '88'
SS string tag	1	'09'	'09' or '89'
USSD string tag	1	'0A'	'0A' or '8A'
SMS TPDU tag	1	'0B'	'0B' or '8B'

## CHANGE REQUEST

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

**11.14 CR A187**

Current Version: 7.5.0

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

↑ CR number as allocated by MCC support team

For submission to: TSG-T #9  
*list expected approval meeting # here ↑*

for approval    
 for information

strategic  (for SMG use only)  
 non-strategic

Form: CR cover sheet, version 2 for 3GPP and SMG      The latest version of this form is available from: <ftp://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:**      T3      **Date:**      17/08/00

**Subject:**      Correction of description of the Get Input command

**Work item:**       

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

**Reason for change:**      Correction of description of the Get Input command, especially the available options for the response, to align it with the available command details

**Clauses affected:**      6.4.3 Get input

**Other specs affected:**

Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
Other GSM core specifications	<input type="checkbox"/>	→ List of CRs:	
MS test specifications	<input type="checkbox"/>	→ List of CRs:	
BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
O&M specifications	<input type="checkbox"/>	→ List of CRs:	

**Other comments:**       



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

### 6.4.3 GET INPUT

This command instructs the ME to display text and/or an icon (see 6.5.4) and that any response string entered by the user shall be passed transparently by the ME to the SIM. If the SIM provides a default text, the ME shall display this default text, which the user may accept, reject or edit as the response string.

The text can be in one of three formats:

- packed format in SMS default alphabet (see 12.15.2);
- unpacked format in SMS default alphabet (see 12.15.2);
- UCS2 alphabet format (see 12.15.3).

The SIM indicates how many characters are expected for the response string, by giving a minimum and a maximum acceptable length.

The SIM specifies ~~three~~ [the following](#) variables for the response string it is expecting from the user:

- the response contains either digits only (0-9, \*, # and +) or characters from ~~the SMS default~~ [one of the possible](#) alphabets;
- [the response contains either characters coded in SMS default alphabet or characters coded in UCS2 alphabet;](#)
- the response for digits only (0-9,\*,# and +) or characters from SMS default alphabet is either in an unpacked format or in a packed format;
- the ME may display the text string being entered by the user (the response), or the ME shall hide (i.e. not display) the actual text string.

The combination of characters from [either](#) the SMS default alphabet [or the UCS2 alphabet](#) and hidden entry mode is not allowed. In hidden entry mode, only digits from the set "0-9", "\*" and "#" are allowed for the user input. "+" is not allowed for user input in this mode.

If the SIM requests that the user input (text string) is to be hidden, it is permissible for the ME to indicate the entry of characters, so long as the characters themselves are not revealed.

Upon receiving the command, the ME shall display the text. The ME shall allow the user to enter characters in response.

- The ME MMI is responsible for managing the entry of the correct number of characters.
- If the user has indicated the need to go backwards in the proactive SIM session, the ME shall send a TERMINAL RESPONSE with "Backward move in the proactive SIM session requested by the user" result value.
- If the user has indicated the need to end the proactive SIM session, the ME shall send a TERMINAL RESPONSE with "Proactive SIM session terminated by the user" result value.
- If the ME decides that no user response has been received, the ME shall send a TERMINAL RESPONSE with "No response from user" result value.
- If the SIM requests digits only, the ME shall only allow the user to enter the digits 0-9, \*, # and +. When the user has indicated completion, the ME shall pass the entered digit string transparently to the SIM, using TERMINAL RESPONSE.
- If the SIM requests characters from the UCS2 alphabet or SMS default alphabet, the ME shall allow the user to enter a character string using characters from one of these alphabets. When the user has indicated completion, the ME shall pass the entered text string transparently to the SIM, using TERMINAL RESPONSE.
- If help information is available for the command and if the user has indicated the need to get help information, the ME shall send a TERMINAL RESPONSE with 'help information required by the user' result value.

If the SIM requests the user input to be in packed format, then the ME shall pack the text according to GSM 03.38 [5] before submitting it to the SIM.

# CHANGE REQUEST

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

**11.14 CR A188**

Current Version: **8.3.0**

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

↑ CR number as allocated by MCC support team

For submission to: **TSG-T #9**  
*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: <ftp://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:** T3 **Date:** 17/08/00

**Subject:** Correction of description of the Get Input command

**Work item:**

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

**Reason for change:** Correction of description of the Get Input command, especially the available options for the response, to align it with the available command details

**Clauses affected:** 6.4.3 Get input

**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:**



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

### 6.4.3 GET INPUT

This command instructs the ME to display text and/or an icon (see 6.5.4) and that any response string entered by the user shall be passed transparently by the ME to the SIM. If the SIM provides a default text, the ME shall display this default text, which the user may accept, reject or edit as the response string.

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- the response contains either digits only (0-9, \*, # and +) or characters from ~~the SMS default~~ [one of the possible](#) alphabets;
- [the response contains either characters coded in SMS default alphabet or characters coded in UCS2 alphabet](#);
- the response for digits only (0-9,\*,# and +) or characters from SMS default alphabet is either in an unpacked format or in a packed format;
- the ME may display the text string being entered by the user (the response), or the ME shall hide (i.e. not display) the actual text string.

The combination of characters from [either](#) the SMS default alphabet [or the UCS2 alphabet](#) and hidden entry mode is not allowed. In hidden entry mode, only digits from the set "0-9", "\*" and "#" are allowed for the user input. "+" is not allowed for user input in this mode.

If the SIM requests that the user input (text string) is to be hidden, it is permissible for the ME to indicate the entry of characters, so long as the characters themselves are not revealed.

Upon receiving the command, the ME shall display the text. The ME shall allow the user to enter characters in response.

- The ME MMI is responsible for managing the entry of the correct number of characters.
- If the user has indicated the need to go backwards in the proactive SIM session, the ME shall send a TERMINAL RESPONSE with "Backward move in the proactive SIM session requested by the user" result value.
- If the user has indicated the need to end the proactive SIM session, the ME shall send a TERMINAL RESPONSE with "Proactive SIM session terminated by the user" result value.
- If the ME decides that no user response has been received, the ME shall send a TERMINAL RESPONSE with "No response from user" result value.
- If the SIM requests digits only, the ME shall only allow the user to enter the digits 0-9, \*, # and +. When the user has indicated completion, the ME shall pass the entered digit string transparently to the SIM, using TERMINAL RESPONSE.
- If the SIM requests characters from the UCS2 alphabet or SMS default alphabet, the ME shall allow the user to enter a character string using characters from one of these alphabets. When the user has indicated completion, the ME shall pass the entered text string transparently to the SIM, using TERMINAL RESPONSE.
- If help information is available for the command and if the user has indicated the need to get help information, the ME shall send a TERMINAL RESPONSE with 'help information required by the user' result value.

If the SIM requests the user input to be in packed format, then the ME shall pack the text according to GSM 03.38 [5] before submitting it to the SIM.