

CHANGE REQUEST

⌘ **27.007 CR 094** ⌘ rev **1** ⌘ Current version: **3.12.0** ⌘

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

Title:	⌘ Clarification in the behaviour of AT+CGCLASS		
Source:	⌘ T2		
Work item code:	⌘ TEI	Date:	⌘ 14-Jan-2003
Category:	⌘ F	Release:	⌘ R99
	<i>Use one 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 one 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) Rel-6 (Release 6)

Reason for change:	⌘ The current modes of operation listed under the AT+CGCLASS command are incompleated, only the names of the UE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in lu mode, defined in the GPRS specification 23.060 sec. 5.4.6. A clarification is needed to explain that the modes of operation are applicable to A/Gb and lu modes. Furthermore, in +CGEREP command definition there is a reference to <class> parameter included in +CGCLASS. So <class> definition shall be complete and clear.
Summary of change:	⌘ References to 23.060, where the operation modes are described, has been included in the AT+CGCLASS Replacement of the term "class" with the more accurate term "modes of operation". Clarification that the <class> parameter values are also applicable for the UE modes of operation in lu mode. It is clarified that the read command shall return the set value independent of the capability in the current serving cell.
Consequences if not approved:	⌘ Since the command is applicable to UE modes of operation in A/Gb and lu mode, the specification is incomplete leading to misunderstanding. Especially it is unclear which <class> is applicable to a dual mode UMTS GSM terminal which is not DTM capable, as this would behave a class A in a lu mode cell and as class B in a A/Gb mode cell. Inconsistency inside 27.007

Clauses affected:	⌘ 10.1.17
--------------------------	-----------

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

10.1.17 GPRS mobile station class +CGCLASS (~~GPRS only~~)

Table 1: CGCLASS parameter command syntax

Command	Possible Response(s)
+CGCLASS= [<class>]	OK ERROR
+CGCLASS?	+CGCLASS: <class>
+CGCLASS=?	+CGCLASS: (list of supported <class>s)

Description

The set command is used to set the MT to operate according to the specified ~~GPRS mobile class~~ mode of operation, see [TS 23.060 \[47\]](#). If the requested ~~class~~ mode of operation is not supported, an ERROR or +CME ERROR response is returned. Extended error responses are enabled by the +CMEE command.

The read command returns the ~~current GPRS mobile class~~ mode of operation set by the TE, independent of the current serving cell capability and independent of the current serving cell Access Technology. If no value has been set by the TE previously, the return value shall be the highest mode of operation that can be supported by the MT.

The test command is used for requesting information on the supported ~~MT GPRS mobile classes~~ mode of operation.

Defined Values

<class>: a string parameter which indicates the ~~GPRS mobile class (in descending order of functionality)~~ mode of operation

A ~~Class-A class A~~ mode of operation (A/Gb mode), or CS/PS mode of operation (Iu mode) (highest mode of operation)

B ~~Class-B class B~~ mode of operation (A/Gb mode), (not applicable in Iu mode)

CG ~~Class-C class C~~ mode of operation in PS only mode (A/Gb mode), or PS mode of operation (Iu mode) ~~in GPRS only mode~~

CC ~~Class-C class C~~ mode of operation in CS only mode (A/Gb mode), or CS (Iu mode) ~~in circuit switched only mode~~ (lowest mode of operation)

Note: <class> A means that the MT would operate simultaneous PS and CS service

<class> B means that the MT would operate PS and CS services but not simultaneously

<class> CG means that the MT would only operate PS services

<class> CC means that the MT would only operate CS services

Other values are reserved and will result in an ERROR response to the set command.

If the MT is ~~GPRS-attached to the PS domain~~ when the set command is issued with a <class> = CC specified, a ~~PS detach request~~ shall be ~~performed by the MT sent to the network~~.

Implementation

Optional.

CHANGE REQUEST

⌘ **27.007 CR 095** ⌘ rev **1** ⌘ Current version: **4.5.0** ⌘

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

Title:	⌘ Clarification in the behaviour of AT+CGCLASS		
Source:	⌘ T2		
Work item code:	⌘ TI-ATC	Date:	⌘ 14-Jan-2003
Category:	⌘ A	Release:	⌘ Rel-4
	<i>Use one 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 one 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) Rel-6 (Release 6)

Reason for change:	⌘ The current modes of operation listed under the AT+CGCLASS command are incompleated, only the names of the UE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in lu mode, defined in the GPRS specification 23.060 sec. 5.4.6. A clarification is needed to explain that the modes of operation are applicable to A/Gb and lu modes. Furthermore, in +CGEREP command definition there is a reference to <class> parameter included in +CGCLASS. So <class> definition shall be complete and clear.
Summary of change:	⌘ References to 23.060, where the operation modes are described, has been included in the AT+CGCLASS Replacement of the term "class" with the more accurate term "modes of operation". Clarification that the <class> parameter values are also applicable for the UE modes of operation in lu mode. It is clarified that the read command shall return the set value independent of the capability in the current serving cell.
Consequences if not approved:	⌘ Since the command is applicable to UE modes of operation in A/Gb and lu mode, the specification is incomplete leading to misunderstanding. Especially it is unclear which <class> is applicable to a dual mode UMTS GSM terminal which is not DTM capable, as this would behave a class A in a lu mode cell and as class B in a A/Gb mode cell. Inconsistency inside 27.007

Clauses affected:	⌘ 10.1.17
--------------------------	-----------

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

10.1.17 GPRS mobile station class +CGCLASS (~~GPRS only~~)

Table 1: CGCLASS parameter command syntax

Command	Possible Response(s)
+CGCLASS= [<class>]	OK ERROR
+CGCLASS?	+CGCLASS: <class>
+CGCLASS=?	+CGCLASS: (list of supported <class>s)

Description

The set command is used to set the MT to operate according to the specified ~~GPRS mobile class~~ mode of operation, see [TS 23.060 \[47\]](#). If the requested ~~class~~ mode of operation is not supported, an ERROR or +CME ERROR response is returned. Extended error responses are enabled by the +CMEE command.

The read command returns the ~~current GPRS mobile class~~ mode of operation set by the TE, independent of the current serving cell capability and independent of the current serving cell Access Technology. If no value has been set by the TE previously, the return value shall be the highest mode of operation that can be supported by the MT.

The test command is used for requesting information on the supported ~~MT GPRS mobile classes~~ mode of operation.

Defined Values

<class>: a string parameter which indicates the ~~GPRS mobile class (in descending order of functionality)~~ mode of operation

A ~~Class-A class A~~ mode of operation (A/Gb mode), or CS/PS mode of operation (Iu mode) (highest mode of operation)

B ~~Class-B class B~~ mode of operation (A/Gb mode), (not applicable in Iu mode)

CG ~~Class-C class C~~ mode of operation in PS only mode (A/Gb mode), or PS mode of operation (Iu mode) ~~in GPRS only mode~~

CC ~~Class-C class C~~ mode of operation in CS only mode (A/Gb mode), or CS (Iu mode) ~~in circuit switched only mode~~ (lowest mode of operation)

Note: <class> A means that the MT would operate simultaneous PS and CS service

<class> B means that the MT would operate PS and CS services but not simultaneously

<class> CG means that the MT would only operate PS services

<class> CC means that the MT would only operate CS services

Other values are reserved and will result in an ERROR response to the set command.

If the MT is ~~GPRS-attached to the PS domain~~ when the set command is issued with a <class> = CC specified, a ~~PS detach request~~ shall be ~~performed by the MT sent to the network~~.

Implementation

Optional.

CHANGE REQUEST

⌘ **27.007 CR 096** ⌘ rev **1** ⌘ 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

Title:	⌘ Clarification in the behaviour of AT+CGCLASS		
Source:	⌘ T2		
Work item code:	⌘ TEI5	Date:	⌘ 14-Jan-2003
Category:	⌘ A	Release:	⌘ Rel-5
	<i>Use one 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 one 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) Rel-6 (Release 6)

Reason for change:	⌘ The current modes of operation listed under the AT+CGCLASS command are incompleated, only the names of the UE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in lu mode, defined in the GPRS specification 23.060 sec. 5.4.6. A clarification is needed to explain that the modes of operation are applicable to A/Gb and lu modes. Furthermore, in +CGEREP command definition there is a reference to <class> parameter included in +CGCLASS. So <class> definition shall be complete and clear.
Summary of change:	⌘ References to 23.060, where the operation modes are described, has been included in the AT+CGCLASS Replacement of the term "class" with the more accurate term "modes of operation". Clarification that the <class> parameter values are also applicable for the UE modes of operation in lu mode. It is clarified that the read command shall return the set value independent of the capability in the current serving cell.
Consequences if not approved:	⌘ Since the command is applicable to UE modes of operation in A/Gb and lu mode, the specification is incomplete leading to misunderstanding. Especially it is unclear which <class> is applicable to a dual mode UMTS GSM terminal which is not DTM capable, as this would behave a class A in a lu mode cell and as class B in a A/Gb mode cell. Inconsistency inside 27.007

Clauses affected:	⌘ 10.1.17
--------------------------	-----------

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

10.1.17 GPRS mobile station class +CGCLASS (~~GPRS only~~)

Table 1: CGCLASS parameter command syntax

Command	Possible Response(s)
+CGCLASS= [<class>]	OK ERROR
+CGCLASS?	+CGCLASS: <class>
+CGCLASS=?	+CGCLASS: (list of supported <class>s)

Description

The set command is used to set the MT to operate according to the specified ~~GPRS mobile class~~ mode of operation, see [TS 23.060 \[47\]](#). If the requested ~~class~~ mode of operation is not supported, an ERROR or +CME ERROR response is returned. Extended error responses are enabled by the +CMEE command.

The read command returns the ~~current GPRS mobile class~~ mode of operation set by the TE, independent of the current serving cell capability and independent of the current serving cell Access Technology. If no value has been set by the TE previously, the return value shall be the highest mode of operation that can be supported by the MT.

The test command is used for requesting information on the supported ~~MT GPRS mobile classes~~ mode of operation.

Defined Values

<class>: a string parameter which indicates the ~~GPRS mobile class (in descending order of functionality)~~ mode of operation

A ~~Class-A class A~~ mode of operation (A/Gb mode), or CS/PS mode of operation (Iu mode) (highest mode of operation)

B ~~Class-B class B~~ mode of operation (A/Gb mode), (not applicable in Iu mode)

CG ~~Class-C class C~~ mode of operation in PS only mode (A/Gb mode), or PS mode of operation (Iu mode) ~~in GPRS only mode~~

CC ~~Class-C class C~~ mode of operation in CS only mode (A/Gb mode), or CS (Iu mode) ~~in circuit switched only mode~~ (lowest mode of operation)

Note: <class> A means that the MT would operate simultaneous PS and CS service

<class> B means that the MT would operate PS and CS services but not simultaneously

<class> CG means that the MT would only operate PS services

<class> CC means that the MT would only operate CS services

Other values are reserved and will result in an ERROR response to the set command.

If the MT is ~~GPRS-attached to the PS domain~~ when the set command is issued with a <class> = CC specified, a ~~PS detach request~~ shall be ~~performed by the MT sent to the network~~.

Implementation

Optional.

CHANGE REQUEST

⌘ **27.007 CR 097** ⌘ rev **1** ⌘ Current version: **6.1.0** ⌘

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

Title:	⌘ Clarification in the behaviour of AT+CGCLASS		
Source:	⌘ T2		
Work item code:	⌘ TEI6	Date:	⌘ 14-Jan-2003
Category:	⌘ A	Release:	⌘ Rel-6
	Use <u>one</u> of the following categories: <i>F</i> (correction) <i>A</i> (corresponds to a correction in an earlier release) <i>B</i> (addition of feature), <i>C</i> (functional modification of feature) <i>D</i> (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)

Reason for change:	⌘ The current modes of operation listed under the AT+CGCLASS command are incompleated, only the names of the UE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in lu mode, defined in the GPRS specification 23.060 sec. 5.4.6. A clarification is needed to explain that the modes of operation are applicable to A/Gb and lu modes. Furthermore, in +CGEREP command definition there is a reference to <class> parameter included in +CGCLASS. So <class> definition shall be complete and clear.
Summary of change:	⌘ References to 23.060, where the operation modes are described, has been included in the AT+CGCLASS Replacement of the term "class" with the more accurate term "modes of operation". Clarification that the <class> parameter values are also applicable for the UE modes of operation in lu mode. It is clarified that the read command shall return the set value independent of the capability in the current serving cell.
Consequences if not approved:	⌘ Since the command is applicable to UE modes of operation in A/Gb and lu mode, the specification is incomplete leading to misunderstanding. Especially it is unclear which <class> is applicable to a dual mode UMTS GSM terminal which is not DTM capable, as this would behave a class A in a lu mode cell and as class B in a A/Gb mode cell. Inconsistency inside 27.007

Clauses affected:	⌘ 10.1.17
--------------------------	-----------

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

10.1.17 GPRS mobile station class +CGCLASS (~~GPRS only~~)

Table 1: CGCLASS parameter command syntax

Command	Possible Response(s)
+CGCLASS= [<class>]	OK ERROR
+CGCLASS?	+CGCLASS: <class>
+CGCLASS=?	+CGCLASS: (list of supported <class>s)

Description

The set command is used to set the MT to operate according to the specified ~~GPRS mobile class~~ mode of operation, see [TS 23.060 \[47\]](#). If the requested ~~class~~ mode of operation is not supported, an ERROR or +CME ERROR response is returned. Extended error responses are enabled by the +CMEE command.

The read command returns the ~~current GPRS mobile class~~ mode of operation set by the TE, independent of the current serving cell capability and independent of the current serving cell Access Technology. If no value has been set by the TE previously, the return value shall be the highest mode of operation that can be supported by the MT.

The test command is used for requesting information on the supported ~~MT GPRS mobile classes~~ mode of operation.

Defined Values

<class>: a string parameter which indicates the ~~GPRS mobile class (in descending order of functionality)~~ mode of operation

- A ~~Class-A class A~~ mode of operation (A/Gb mode), or CS/PS mode of operation (Iu mode) (highest mode of operation)
- B ~~Class-B class B~~ mode of operation (A/Gb mode), (not applicable in Iu mode)
- CG ~~Class-C class C~~ mode of operation in PS only mode (A/Gb mode), or PS mode of operation (Iu mode) ~~in GPRS only mode~~
- CC ~~Class-C class C~~ mode of operation in CS only mode (A/Gb mode), or CS (Iu mode) ~~in circuit switched only mode~~ (lowest mode of operation)

Note: <class> A means that the MT would operate simultaneous PS and CS service

<class> B means that the MT would operate PS and CS services but not simultaneously

<class> CG means that the MT would only operate PS services

<class> CC means that the MT would only operate CS services

Other values are reserved and will result in an ERROR response to the set command.

If the MT is ~~GPRS-attached to the PS domain~~ when the set command is issued with a <class> = CC specified, a ~~PS detach request~~ shall be ~~performed by the MT sent to the network~~.

Implementation

Optional.