3GPP TSG-T (Terminals) Meeting #18
New Orleans, Louisiana, USA
4 - 6 December, 2002

TP-020276

Agenda Item: 5.2.3

Source: T2

Title: Change Requests to AT+CGCLASS

Document for: Approval

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Spec	CR	Rev	Rel	Subject	Cat	Vers-Current	Vers-New	T2 doc	Workitem
27.007	090		R99	Clarification in the behaviour of AT+CGCLASS	F	3.11.0	3.12.0	T2-020993	TEI
27.007	091		Rel-4	Clarification in the behaviour of AT+CGCLASS	A	4.4.0	4.5.0	T2-020994	TI-ATC
27.007	092		Rel-5	Clarification in the behaviour of AT+CGCLASS	A	5.1.0	5.2.0	T2-020995	TEI5
27.007	093		Rel-6	Clarification in the behaviour of AT+CGCLASS	A	6.0.0	6.1.0	T2-020996	TEI6

CR-Form-v7

CHANGE REQUEST

⌘	**27.007** CR **090**	⌘**rev**	**-**	⌘	Current version:	**3.11.0** ⌘

*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 ☐   Core Network ☐

Title:	⌘	Clarification in the behaviour of AT+CGCLASS
Source:	⌘	T2
Work item code:⌘	TI-ATC	***Date:*** ⌘ 13/11/2002
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:	⌘	The current modes of operation listed under the AT+CGCLASS command are incompleted, only the names of theUE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in Iu mode, listed in the GPRS specification 23.060. A clarification is needed to explain that the modes of operation are applicable to A/Gb and Iu 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 "class" with the more acurate term "modes of operation" Clarification on <class> paramater values, also applicable for UE modes of operation in Iu mode.
Consequences if not approved:	⌘	Since the command is applicable to UE modes of operation in A/Gb and Iu mode, the specification is incomplete leading to misunderstanding. Inconsistency inside 27.007

Clauses affected:	⌘	10.1.17

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

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 mode of operation~~class~~ 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.

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

Defined Values

<class>: a string parameter which indicates the GPRS mobile ~~class~~ mode of operation (in descending order of functionality)
    A   class A(A/Gb mode), or CS/PS (Iu mode) (highest)
    B   class B (A/Gb mode), (not applicable in Iu mode)
    CG   class C in GPRS only mode (A/Gb mode), or PS (Iu mode)
    CC   class C in circuit switched only mode (A/Gb mode), or CS (Iu mode) (lowest)

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

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

Implementation

Optional.

CR-Form-v7

CHANGE REQUEST

| ⌘ | **27.007 CR 091** | ⌘ **rev** | **-** | ⌘ | Current version: | **4.4.0** | ⌘ |

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

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

Title: ⌘	Clarification in the behaviour of AT+CGCLASS	
Source: ⌘	T2	
Work item code: ⌘	TI-ATC	***Date:*** ⌘ 18/11/2002
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: ⌘	The current modes of operation listed under the AT+CGCLASS command are incompleted, only the names of theUE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in Iu mode, listed in the GPRS specification 23.060. A clarification is needed to explain that the modes of operation are applicable to A/Gb and Iu 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 "class" with the more acurate term "modes of operation" Clarification on <class> paramater values, also applicable for UE modes of operation in Iu mode.
Consequences if not approved: ⌘	Since the command is applicable to UE modes of operation in A/Gb and Iu mode, the specification is incomplete leading to misunderstanding. Inconsistency inside 27.007

Clauses affected: ⌘	10.1.17

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

Other comments: ⌘	

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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 mode of operation~~class~~ 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.

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

Defined Values

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

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

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

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

Implementation

Optional.

CR-Form-v7

CHANGE REQUEST

| ⌘ | **27.007** CR **092** | ⌘ **rev** | **-** | ⌘ | Current version: | **5.1.0** | ⌘ |

*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 **X**   Radio Access Network [ ]   Core Network [ ]

Title: ⌘	Clarification in the behaviour of AT+CGCLASS	
Source: ⌘	T2	
Work item code:⌘	TEI5	***Date:*** ⌘ 18/11/2002
Category: ⌘ **A**		***Release:*** ⌘ Rel-5

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: ⌘	The current modes of operation listed under the AT+CGCLASS command are incompleted, only the names of theUE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in Iu mode, listed in the GPRS specification 23.060. A clarification is needed to explain that the modes of operation are applicable to A/Gb and Iu 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 "class" with the more acurate term "modes of operation" Clarification on <class> paramater values, also applicable for UE modes of operation in Iu mode.
Consequences if not approved: ⌘	Since the command is applicable to UE modes of operation in A/Gb and Iu mode, the specification is incomplete leading to misunderstanding. Inconsistency inside 27.007

Clauses affected: ⌘	10.1.17

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

Other comments: ⌘	

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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 mode of operation~~class~~ 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.

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

Defined Values

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

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

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

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

Implementation

Optional.

CR-Form-v7

CHANGE REQUEST

⌘	**27.007** CR **093**	⌘**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 ☐   Core Network ☐

Title: ⌘	Clarification in the behaviour of AT+CGCLASS	
Source: ⌘	T2	
Work item code:⌘	TEI6	***Date:*** ⌘ 18/11/2002
Category: ⌘ **A**		***Release:*** ⌘ Rel-6

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
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C *(functional modification of feature)*
D *(editorial modification)*
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be found in 3GPP TR 21.900.

Use one of the following releases:
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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 incompleted, only the names of theUE modes of operation in A/Gb mode are included. But the current values are also applicable to the UE modes of operation in Iu mode, listed in the GPRS specification 23.060. A clarification is needed to explain that the modes of operation are applicable to A/Gb and Iu modes. Furthermore, in +CGEREP command definition there is a reference to <class> parameter included in +CGCLASS. So <class> definition shall be complete and clear.
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Consequences if not approved: ⌘	Since the command is applicable to UE modes of operation in A/Gb and Iu mode, the specification is incomplete leading to misunderstanding. Inconsistency inside 27.007

Clauses affected: ⌘	10.1.17

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

Other comments: ⌘	

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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 classmode of operation, see TS 23.060 [47]. If the requested mode of operationclass 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 classmode of operation.

The test command is used for requesting information on the supported GPRS mobile classesmodes of operation.

Defined Values

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

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

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

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

Implementation

Optional.