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**GSM GENERAL PACKET RADIO SERVICES
TEST SPECIFICATION
GACI**

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1.2 Abbreviations

ACI	Application Control Interface
AGCH	Access Grant Channel
AT	Attention sequence "AT" to indicate valid commands of the ACI
BCCH	Broadcast Control Channel
BS	Base Station
BSIC	Base Station Identification Code
C/R	Command/Response
C1	Path Loss Criterion
C2	Reselection Criterion
CBCH	Cell Broadcast Channel
CBQ	Cell Bar Qualify
CC	Call Control
CCCH	Common Control Channel
CCD	Condat Coder Decoder
CCI	Compression and Ciphering Interface
CHAP	Challenge Handshake Authentication Protocol
CKSN	Ciphering Key Sequence Number
CRC	Cyclic Redundancy Check
DCCH	Dedicated Control Channel
DCOMP	Identifier of the user data compression algorithm used for the N-DPU
DISC	Disconnect Frame
DL	Data Link Layer
DM	Disconnected Mode Frame
DTX	Discontinuous Transmission
E	Extension bit
EA	Extension Bit Address Field
EL	Extension Bit Length Field
EMMI	Electrical Man Machine Interface
F	Final Bit
FACCH	Fast Associated Control Channel
FHO	Forced Handover
GACI	GPRS Application Control Interface
GMM	GPRS Mobility Management
GP	Guard Period
GRR	GPRS RR
GSM	Global System for Mobile Communication
HDLC	High-level Data Link Control
HISR	High level Interrupt Service Routine
HPLMN	Home Public Land Mobile Network
I	Information Frame
IMEI	International Mobile Equipment Identity
IMSI	International Mobile Subscriber Identity
IP	Internet Protocol
IPCP	Internet Protocol Control Protocol
ITU	International Telecommunication Union
IWF	Interworking Function
Kc	Ciphering Key
L	Length Indicator
LAI	Location Area Information
LCP	Link Control Protocol
LISR	Low level Interrupt Service Routine

LLC	Logical Link Control
LPD	Link Protocol Discriminator
LQM	Link Quality Monitoring
M	More bit used to indicate the last segment of N-DPU
MAC	Medium Access Control
MCC	Mobile Country Code
MM	Mobility Management
MMI	Man Machine Interface
MNC	Mobile Network Code
MS	Mobile Station
MT	Mobile Termination
N(R)	Receive Number
N(S)	Send Number
NC	Network Control
NCC	National Colour Code
NCP	Network Control Protocol
NECI	New Establishment Causes included
N-PDU	Network Protocol Data Unit
NSAPI	Network Layer Service Access Point Identifier
OTD	Observed Time Difference
P	Poll Bit
P/F	Poll/Final Bit
PACCH	Packet Associated Control Channel
PAP	Password Authentication Protocol
PBCCH	Packet BCCH
PCCCH	Packet CCCH
PCOMP	Identifier of the protocol control information compression algorithm used for the N-DPU
PDCH	Packet Data Channel
PDP	Packet Data Protocol e.g. IP or X.25
PDTCH	Packet Data Traffic Channel
PRACH	Packet RACH
PSI	Packet System Information
PCH	Paging Channel
PCO	Point of Control and Observation
PDU	Protocol Data Unit
PL	Physical Layer
PLMN	Public Land Mobile Network
PPC	Packet Physical Convergence
PPP	Point-to-Point Protocol
PTP	Point to Point
QoS	Quality of Service
RACH	Random Access Channel
REJ	Reject Frame
RLC	Radio Link Control
RNR	Receive Not Ready Frame
RR	Radio Resource Management
RR	Receive Ready Frame
RTD	Real Time Difference
RTOS	Real Time Operating System
SABM	Set Asynchronous Balanced Mode
SACCH	Slow Associated Control Channel
SAP	Service Access Point
SAPI	Service Access Point Identifier
SDCCH	Stand alone Dedicated Control Channel
SDU	Service Data Unit
SGSN	Serving GPRS Support Node

SIM	Subscriber Identity Module
SM	Session Management
SMS	Short Message Service
SMSCB	Short Message Service Cell Broadcast
SNDCP	Subnetwork Dependant Convergence Protocol
SNSM	SNDCP-SM
SS	Supplementary Services
TAP	Test Application Program
TBF	Temporary Block Flow
TCH	Traffic Channel
TCH/F	Traffic Channel Full Rate
TCH/H	Traffic Channel Half Rate
TCP	Transmission Control Protocol
TDMA	Time Division Multiple Access
TE	Terminal Equipment - e. g. a PC
TFI	Temporary Flow Identifier
LLI	Temporary Logical Link Identifier
TMSI	Temporary Mobile Subscriber Identity
TOM	Tunnelling of Messages
TQI	Temporary Queuing Identifier
UA	Unnumbered Acknowledgement Frame
UART	Universal Asynchronous Receiver Transmitter
UI	Unnumbered Information Frame
USF	Uplink State Flag
V(A)	Acknowledgement State Variable
V(R)	Receive State Variable
V(S)	Send State Variable
VPLMN	Visited Public Land Mobile Network

1.3 Terms

Entity:	Program which executes the functions of a layer
Message:	A message is a data unit which is transferred between the entities of the same layer (peer-to-peer) of the mobile and infrastructure side. Message is used as a synonym to protocol data unit (PDU). A message may contain several information elements.
Primitive:	A primitive is a data unit which is transferred between layers on one component (mobile station or infrastructure). The primitive has an operation code which identifies the primitive and its parameters.
Service Access Point	A Service Access Point is a data interface between two layers on one component (mobile station or infrastructure).

2 Overview

The Protocol Stacks are used to define the functionality of the GSM protocols for interfaces. The GSM specifications are normative when used to describe the functionality of interfaces, but the stacks and the subdivision of protocol layers does not imply or restrict any implementation.

The protocol stack for GPRS consists of several entities. Each entity has one or more service access points, over which the entity provides a service for the upper entity.

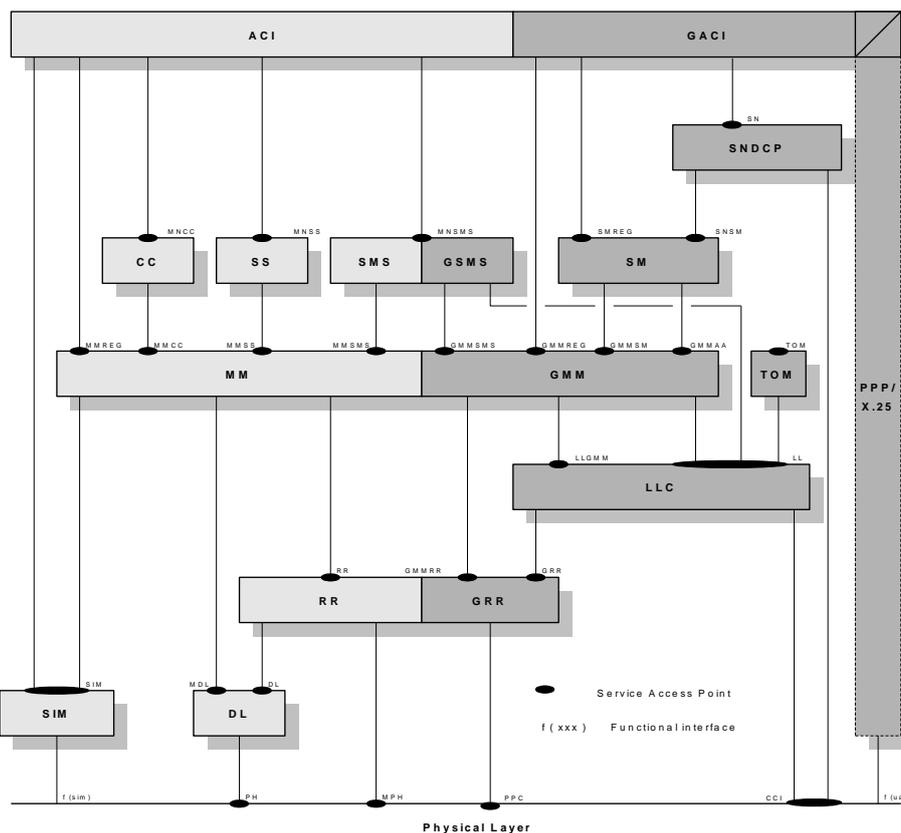


Figure 2-1: Architecture of the GSM/GPRS protocol stack

The information units passed via the SAPs are called primitives and consists of an operation code and several parameters. See the Users Guide for details.

The entities of the GPRS protocol stack are:

2.1 GRR (RLC/MAC) – Radio Link Control/Medium Access Control

This layer contains two functions: The Radio Link Control function provides a radio-solution-dependent reliable link. The Medium Access Control function controls the access signalling (request and grant) procedures for the radio channel, and the mapping of LLC frames onto the GSM physical channel.

2.2 LLC – Logical Link Control

The LLC entity provides multiple highly reliable logical links for asynchronous data transfer between the MS and the network. It supports variable-length information frames, acknowledged and unacknowledged data transfer, flow and sequence control, error detection and recovery, notification of unrecoverable errors, user identity confidentiality, and ciphering of user and signaling data.

2.3 GMM – GPRS Mobility Management

The GMM entity provides procedures for the mobility of the MS, such as informing the network of its present location, and user identity confidentiality. It manages the GMM context (attach, detach, routing area updating), supports security functions such as authentication of user and MS, controls ciphering of data, and initiates the response to paging messages.

2.4 SM – Session Management

The main function of the session management (SM) is to support PDP context handling of the user terminal. Session Management activates, modifies and deletes the contexts for packet data protocols (PDP). Session Management services are provided at the SMREG-SAP and the SNSM-SAP for anonymous and non-anonymous access. The non-anonymous and anonymous access procedures for PDP context activation and PDP context deactivation are available at the SMREG-SAP. In addition there exists a PDP context modification for non-anonymous PDP contexts.

2.5 SNDCP - Subnetwork Dependant Convergence Protocol

SNDCP carries out all functions related to transfer of Network layer Protocol Data Units (N-PDUs) over GPRS in a transparent way. SNDCP helps to improve channel efficiency by means of compression techniques. The set of protocol entities above SNDCP consists of commonly used network protocols. They all use the same SNDCP entity, which then performs multiplexing of data coming from different sources to be sent using the service provided by the LLC layer.

2.6 GACI – GPRS Application Control Interface

The GACI is the GPRS extension of the ACI. It is specified in GSM 07.07 and 07.60. It is responsible for processing of the GPRS related AT Commands to setup, activate and deactivate the PDP context parameter. It also provides functionality for the interworking between GMM/SM/SNDCP and a packet oriented protocol like PPP.

2.7 USART - Universal Synchronous Asynchronous Receiver Transmitter Driver

The USART is a hardware component that facilitates a connection between the mobile station and terminal equipment (e.g. a PC). This interface uses some of the circuits described in V.24.

The data exchange provided by this unit is serial and asynchronous (synchronous communication is not in the scope of this document). A driver that uses interrupts to manage a circular buffer for the sending and receiving direction is necessary in order to use this component in the GPRS. The driver has to be able to perform flow control.

2.8 TOM – Tunnelling of Messages

The TOM entity is present if and only if HS136 is supported (the feature flag FF_HS136 is enabled).

The main function of TOM is to tunnel non-GSM signalling messages between the MS and the SGSN. The only non-GSM signalling which is currently supported by TOM is for the EGPRS-136 system (according to TIA/EIA-136-376). Data transfer

in both uplink and downlink direction is possible. Two different priorities (high, low) of signalling data transfer are supported. TOM uses the unacknowledged mode of LLC and the acknowledged mode of GRR (RLC/MAC).

3 Parameters

/*

3.1 Declarations

3.1.1 Message Struct Declarations

*/

DECLARATION(A_ECC_FIELD)
DECLARATION(A_AD_FIELD_CI_DISABLED)
DECLARATION(A_AD_FIELD_CI_ENABLED)
DECLARATION(NO_EC_CODES)
DECLARATION(NO_PREF_LANG)
DECLARATION(IMSI)
DECLARATION(IMSI_ARRAY)
DECLARATION(SIM_TOOLKIT_PROFILE)
DECLARATION(PLMN_1)
DECLARATION(PLMN_262_02)
DECLARATION(MCC_1)
DECLARATION(MCC_262)
DECLARATION(MNC_1)
DECLARATION(MNC_02)
DECLARATION(APN_BUF_1)
DECLARATION(SMREG_APN_0_S)
DECLARATION(SMREG_APN_1)
DECLARATION(PDP_ADD_BUF_1)
DECLARATION(PDP_ADD_BUF_2)
DECLARATION(PDP_ADD_BUF_3)
DECLARATION(PDP_ADDRESS_0_S)
DECLARATION(PDP_ADDRESS_1)
DECLARATION(PDP_ADDRESS_2)
DECLARATION(PDP_ADDRESS_3)
DECLARATION(SMREG_QOS_0)
DECLARATION(SMREG_QOS_1)
DECLARATION(SMREG_QOS_2)
DECLARATION(SMREG_QOS_3)
DECLARATION(SMREG_QOS_4)
DECLARATION(SNDCP_NAME_BUF)
DECLARATION(UART_NAME_BUF)
DECLARATION(SNDCP_CHANNEL)
DECLARATION(UART_CHANNEL)
DECLARATION(SDU)
DECLARATION(SDU_2)
DECLARATION(SDU_3)
DECLARATION(SDU_CTX_REQ_DEF)
DECLARATION(SDU_NET_DNS_1)
DECLARATION(SDU_NET_GATEW_2)
DECLARATION(PREF_PLMN)
DECLARATION(PREF_PLMN_ARRAY)
DECLARATION(UNUSED_PDP_ADDRESS)
DECLARATION(UNUSED_QOS)
DECLARATION(UNUSED_APN)

```
DECLARATION(PLMN_LST)
DECLARATION(PLMN_LST_1)
DECLARATION(PLMN_LST_2)
DECLARATION(PLMN_LST_3)
DECLARATION(PLMN_LST_4)
DECLARATION(PLMN_LST_5)
DECLARATION(S_NET_CTRL)
DECLARATION(EMPTY_PLMN_LST)
DECLARATION(MCC_PLMN_LST_1)
DECLARATION(MCC_PLMN_LST_2)
DECLARATION(MCC_PLMN_LST_3)
DECLARATION(MCC_PLMN_LST_4)
DECLARATION(MCC_PLMN_LST_5)
DECLARATION(MNC_PLMN_LST_1)
DECLARATION(MNC_PLMN_LST_2)
DECLARATION(MNC_PLMN_LST_3)
DECLARATION(MNC_PLMN_LST_4)
DECLARATION(MNC_PLMN_LST_5)
DECLARATION(FRB_PLMN_LST)
DECLARATION(RXL_PLMN_LST)
DECLARATION(GPRS_STATUS_LST)
DECLARATION(DEFAULT_DCB_FROM_DIO_1)
DECLARATION(DEFAULT_DCB_FROM_DIO_2)
DECLARATION(DEFAULT_DCB_FROM_ACI_1)
DECLARATION(DEFAULT_DCB_FROM_ACI_2)
DECLARATION(DEFAULT_DCB_FROM_DIO_3)
```

/*

3.2 COMMAND SECTION

3.2.1 GSM commands

```
*/
/* command: CFUN */
STRING(C_CFUN_0, "AT+CFUN=0\r")
STRING(C_CFUN_1, "AT+CFUN=1\r")
/*STRING(C_CFUN_1, "AT+CFUN=1\r")*/
BYTE LC_CFUN 10

/* command: CPIN*/
STRING(C_CPIN_WRONG, "AT+CPIN=\"1234\"\r")
STRING(C_CPIN_IO, "AT+CPIN=\"4321\"\r")
BYTE LC_CPIN 15

/* command: COPS*/
STRING(C_COPS_0, "AT+COPS=0\r")
STRING(C_COPS_1, "AT+COPS=1\r")
STRING(C_PLUS_COPS_MAN_NUM, "AT+COPS=1,2,\"26202\"")
STRING(C_COPS_Q, "AT+COPS=?\r")
BYTE LC_COPS 10
BYTE LC_PLUS_COPS_MAN_NUM 19

/* command: CMEE*/
STRING(C_CMEE_1, "AT+CMEE=1\r")
BYTE LC_CMEE_1 10

STRING(C_AND_D2, "AT&D2\r")
```

BYTE LC_AND_D2 6

```
/*Command AT+CGDATA set up packet data connection*/  
STRING(C_PLUS_CGDATA_PKT_DEV_1, "AT+CGDATA=\\"M-PKT\",1")
```

/*

3.2.2 GPRS commands

*/

/* command: CGATT*/

```
STRING(C_CGATT_0, "AT+CGATT=0\r")  
STRING(C_CGATT_1, "AT+CGATT=1\r")  
STRING(C_CGATT_R, "AT+CGATT?\r")  
STRING(C_CGATT_T, "AT+CGATT=?\r")  
BYTE LC_CGATT 11  
BYTE LC_CGATT_R 10  
BYTE LC_CGATT_T 11
```

/* command: +CGCLASS*/

```
STRING(C_CGCLASS_A, "AT+CGCLASS=\\"A\"\r")  
STRING(C_CGCLASS_B, "AT+CGCLASS=\\"B\"\r")  
STRING(C_CGCLASS_C, "AT+CGCLASS=\\"C\"\r")  
STRING(C_CGCLASS_CG, "AT+CGCLASS=\\"CG\"\r")  
STRING(C_CGCLASS_CC, "AT+CGCLASS=\\"CC\"\r")  
STRING(C_CGCLASS_R, "AT+CGCLASS?\r")  
STRING(C_CGCLASS_T, "AT+CGCLASS=?\r")  
BYTE LC_CGCLASS_X 15  
BYTE LC_CGCLASS_XX 16  
BYTE LC_CGCLASS_R 12  
BYTE LC_CGCLASS_T 13
```

/* command: %CGCLASS */

```
STRING(C_PERCENT_CGCLASS_A, "AT%CGCLASS=\\"A\"\r")  
STRING(C_PERCENT_CGCLASS_B, "AT%CGCLASS=\\"B\"\r")  
STRING(C_PERCENT_CGCLASS_BX, "AT%CGCLASS=\\"BX\"\r")  
STRING(C_PERCENT_CGCLASS_BG, "AT%CGCLASS=\\"BG\"\r")  
STRING(C_PERCENT_CGCLASS_BC, "AT%CGCLASS=\\"BC\"\r")  
STRING(C_PERCENT_CGCLASS_C, "AT%CGCLASS=\\"C\"\r")  
STRING(C_PERCENT_CGCLASS_CG, "AT%CGCLASS=\\"CG\"\r")  
STRING(C_PERCENT_CGCLASS_CC, "AT%CGCLASS=\\"CC\"\r")  
STRING(C_PERCENT_CGCLASS_R, "AT%CGCLASS?\r")  
STRING(C_PERCENT_CGCLASS_T, "AT%CGCLASS=?\r")
```

/* command: CGDCONT*/

```
/*STRING(C_CGDCONT_1, "AT+CGDCONT=1,\"IP\",,\"255.255.255.255\",0,0\r")*/  
STRING(C_CGDCONT_1, "AT+CGDCONT=1,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")  
STRING(C_CGDCONT_1_oIAP, "AT+CGDCONT=1,,,,0,0\r")  
STRING(C_CGDCONT_2, "AT+CGDCONT=2,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_3, "AT+CGDCONT=3,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_4, "AT+CGDCONT=4,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")  
STRING(C_CGDCONT_5, "AT+CGDCONT=5,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_6, "AT+CGDCONT=6,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_7, "AT+CGDCONT=7,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")  
STRING(C_CGDCONT_8, "AT+CGDCONT=8,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_9, "AT+CGDCONT=9,\"IP\",,\"APN\",,\"255.255.255.255\",1,1\r")  
STRING(C_CGDCONT_10, "AT+CGDCONT=10,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")  
STRING(C_CGDCONT_11, "AT+CGDCONT=11,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")  
STRING(C_CGDCONT_12, "AT+CGDCONT=12,\"IP\",,\"APN\",,\"255.255.255.255\",0,0\r")
```

```
STRING(C_CGDCONT_13, "AT+CGDCONT=13,\"IP\", \"APN\", \"255.255.255.255\", 0, 0\r")
STRING(C_CGDCONT_14, "AT+CGDCONT=14,\"IP\", \"APN\", \"255.255.255.255\", 0, 0\r")
STRING(C_CGDCONT_15, "AT+CGDCONT=15,\"IP\", \"APN\", \"255.255.255.255\", 0, 0\r")
STRING(C_CGDCONT_16, "AT+CGDCONT=16,\"IP\", \"APN\", \"255.255.255.255\", 0, 0\r")
STRING(C_CGDCONT_1_CLEAR, "AT+CGDCONT=1\r")
STRING(C_CGDCONT_CLEAR, "AT+CGDCONT=\r")
STRING(C_CGDCONT_R, "AT+CGDCONT?\r")
STRING(C_CGDCONT_T, "AT+CGDCONT=?\r")
/*BYTE LC_CGDCONT_X 37*/
BYTE LC_CGDCONT_X 46
BYTE LC_CGDCONT_X_oIAP 20
BYTE LC_CGDCONT_XX 47
BYTE LC_CGDCONT_CLEAR 13
BYTE LC_CGDCONT_R 12
BYTE LC_CGDCONT_T 13
BYTE LC_CGDCONT_CLEAR 12

/* special command sequence */
STRING(C_CGDCONT_SPECIAL,
"AT+CGDCONT=,\"IP\", \"APN\", \"18.52.86.120\", 0, 0;+CGQREQ=,1,1,3,1,1;+CGQMIN=,2,2,4,1,1\r")
BYTE LC_CGDCONT_SPECIAL 80
```

```
/* command: CGQREQ*/
STRING(C_CGQREQ_DEF_0, "AT+CGQREQ=,0,0,0,0,0\r")
STRING(C_CGQREQ_DEF_1, "AT+CGQREQ=,1,2,3,4,5\r")
STRING(C_CGQREQ_0, "AT+CGQREQ=1\r")
STRING(C_CGQREQ_1, "AT+CGQREQ=1,1,2,1,4,5\r")
STRING(C_CGQREQ_2, "AT+CGQREQ=1,3,4,3,2,1\r")
STRING(C_CGQREQ_R, "AT+CGQREQ?\r")
STRING(C_CGQREQ_T, "AT+CGQREQ=?\r")
BYTE LC_CGQREQ_DEF 21
BYTE LC_CGQREQ_0 12
BYTE LC_CGQREQ_X 22
BYTE LC_CGQREQ_R 11
BYTE LC_CGQREQ_T 12
```

```
/* command: CGQMIN*/
STRING(C_CGQMIN_DEF_0, "AT+CGQMIN=,0,0,0,0,0\r")
STRING(C_CGQMIN_DEF_1, "AT+CGQMIN=,1,2,3,4,5\r")
STRING(C_CGQMIN_0, "AT+CGQMIN=1\r")
STRING(C_CGQMIN_1, "AT+CGQMIN=1,1,2,3,4,5\r")
STRING(C_CGQMIN_2, "AT+CGQMIN=1,3,4,3,2,1\r")
STRING(C_CGQMIN_R, "AT+CGQMIN?\r")
STRING(C_CGQMIN_T, "AT+CGQMIN=?\r")
BYTE LC_CGQMIN_DEF 21
BYTE LC_CGQMIN_0 12
BYTE LC_CGQMIN_X 22
BYTE LC_CGQMIN_R 11
BYTE LC_CGQMIN_T 12
```

```
/* command: CGQREG and CGQMIN*/
STRING(C_CGQCOMB_DEF_1, "AT+CGQREQ=,1,2,1,4,5;+CGQMIN=,1,2,1,4,5\r")
BYTE LC_CGQCOMB_DEF 40
```

```
/* command: CGACT*/
STRING(C_CGACT_10, "AT+CGACT=0,1\r")
STRING(C_CGACT_11, "AT+CGACT=1,1\r")
STRING(C_CGACT_20, "AT+CGACT=0,2\r")
```

```
STRING(C_CGACT_21, "AT+CGACT=1,2\r")
STRING(C_CGACT_121, "AT+CGACT=1,1,2\r")
STRING(C_CGACT_R, "AT+CGACT?\r")
STRING(C_CGACT_T, "AT+CGACT=?\r")
BYTE LC_CGACT_0 11
BYTE LC_CGACT_X 13
BYTE LC_CGACT_X2 15
BYTE LC_CGACT_R 10
BYTE LC_CGACT_T 11
STRING(C_CGACT_0, "AT+CGACT=0\r")
STRING(C_CGACT_1, "AT+CGACT=1\r")
```

```
/* command: CGDATA*/
STRING(C_CGDATA_P1, "AT+CGDATA=\"PPP\",1\r")
STRING(C_CGDATA_01, "AT+CGDATA=,1\r")
STRING(C_CGDATA_P2, "AT+CGDATA=\"PPP\",2\r")
STRING(C_CGDATA_02, "AT+CGDATA=\"\",2\r")
STRING(C_CGDATA_BAD, "AT+CGDATA=\"PPP\",1,2\r")
STRING(C_CGDATA_T, "AT+CGDATA=?\r")
BYTE LC_CGDATA_PX 18
BYTE LC_CGDATA_0X 13
BYTE LC_CGDATA_BAD 20
BYTE LC_CGDATA_T 12
```

```
/* command: CGAUTO*/
STRING(C_CGAUTO_0, "AT+CGAUTO=0\r")
STRING(C_CGAUTO_1, "AT+CGAUTO=1\r")
STRING(C_CGAUTO_2, "AT+CGAUTO=2\r")
STRING(C_CGAUTO_3, "AT+CGAUTO=3\r")
STRING(C_CGAUTO_R, "AT+CGAUTO?\r")
STRING(C_CGAUTO_T, "AT+CGAUTO=?\r")
BYTE LC_CGAUTO_X 12
BYTE LC_CGAUTO_R 11
BYTE LC_CGAUTO_T 12
```

```
/* command: CGANS*/
STRING(C_CGANS_0, "AT+CGANS=0\r")
STRING(C_CGANS_1, "AT+CGANS=1\r")
STRING(C_CGANS_2X, "AT+CGANS=1,\"PPP\",2\r")
STRING(C_CGANS_T, "AT+CGANS=?\r")
BYTE LC_CGANS_X 11
BYTE LC_CGANS_X2 19
BYTE LC_CGANS_T 11
```

```
/* command: CGPADDR*/
STRING(C_CGPADDR_, "AT+CGPADDR=\r")
STRING(C_CGPADDR_1, "AT+CGPADDR=1\r")
STRING(C_CGPADDR_2, "AT+CGPADDR=1,2\r")
STRING(C_CGPADDR_100, "AT+CGPADDR=100\r")
STRING(C_CGPADDR_T, "AT+CGPADDR=?\r")
BYTE LC_CGPADDR_1 11
BYTE LC_CGPADDR_1 13
BYTE LC_CGPADDR_2 15
BYTE LC_CGPADDR_T 13
```

```
/* command: CGSMS*/
STRING(C_CGSMS_0, "AT+CGSMS=0\r")
STRING(C_CGSMS_1, "AT+CGSMS=1\r")
STRING(C_CGSMS_2, "AT+CGSMS=2\r")
```

```
STRING(C_CGSMS_3, "AT+CGSMS=3\r")
STRING(C_CGSMS_R, "AT+CGSMS?\r")
STRING(C_CGSMS_T, "AT+CGSMS=?\r")
BYTE LC_CGSMS_X 11
BYTE LC_CGSMS_R 10
BYTE LC_CGSMS_T 11
```

```
/* command: CGEREP */
STRING(C_CGEREP_0, "AT+CGEREP=0\r")
STRING(C_CGEREP_1, "AT+CGEREP=1\r")
STRING(C_CGEREP_2, "AT+CGEREP=2\r")
STRING(C_CGEREP_10, "AT+CGEREP=1,0\r")
STRING(C_CGEREP_11, "AT+CGEREP=1,1\r")
STRING(C_CGEREP_20, "AT+CGEREP=2,0\r")
STRING(C_CGEREP_21, "AT+CGEREP=2,1\r")
STRING(C_CGEREP_R, "AT+CGEREP?\r")
STRING(C_CGEREP_T, "AT+CGEREP=?\r")
BYTE LC_CGEREP_X 12
BYTE LC_CGEREP_XX 14
BYTE LC_CGEREP_R 11
BYTE LC_CGEREP_T 12
```

```
/* command: CGREG */
STRING(C_CGREG_0, "AT+CGREG=0\r")
STRING(C_CGREG_1, "AT+CGREG=1\r")
STRING(C_CGREG_2, "AT+CGREG=2\r")
STRING(C_CGREG_R, "AT+CGREG?\r")
STRING(C_CGREG_T, "AT+CGREG=?\r")
BYTE LC_CGREG_X 11
BYTE LC_CGREG_R 10
BYTE LC_CGREG_T 11
```

```
/*
```

3.2.3 Percent GPRS commands

```
command: CGAATT */
STRING(C_CGAATT_00, "AT%CGAATT=0,0\r")
STRING(C_CGAATT_01, "AT%CGAATT=0,1\r")
STRING(C_CGAATT_10, "AT%CGAATT=1,0\r")
STRING(C_CGAATT_11, "AT%CGAATT=1,1\r")
STRING(C_CGAATT_R, "AT%CGAATT?\r")
STRING(C_CGAATT_T, "AT%CGAATT=?\r")
BYTE LC_CGAATT_X 14
BYTE LC_CGAATT_R 11
BYTE LC_CGAATT_T 12
```

```
/* command: %CUNS */
```

```
STRING(C_CUNS_0, "AT%CUNS=0\r")
STRING(C_CUNS_1, "AT%CUNS=1\r")
STRING(C_CUNS_2, "AT%CUNS=2\r")
BYTE LC_CUNS 10
```

```
/* command: %CGREG */
STRING(C_P_CGREG_0, "AT%CGREG=0\r")
STRING(C_P_CGREG_1, "AT%CGREG=1\r")
```

```
STRING(C_P_CGREG_2, "AT%CGREG=2\r")
STRING(C_P_CGREG_R, "AT%CGREG?\r")
STRING(C_P_CGREG_T, "AT%CGREG=?\r")
BYTE LC_P_CGREG_X 11
BYTE LC_P_CGREG_R 10
BYTE LC_P_CGREG_T 11
```

```
/* Engineering mode – AT-CMD */
```

```
/*
Command:      %EM
              get infrastructure data serving cell GPRS
*/
```

```
STRING(C_PERCENT_EM_QUERY_2, "AT%EM=2,2 ")
BYTE LC_PERCENT_EM_QUERY_2 9
```

```
/*
Message:      %EM
              get infrastructure data serving cell GPRS
*/
```

```
STRING(M_PERCENT_EM_2, "%EM: 0,1,2,3,4,5,6,7,8,9 ")
BYTE LM_PERCENT_EM_2 24
```

```
/*
```

3.2.4 Modem compatibility mode commands

```
command: D*/
STRING(C_GD_0, "ATD*99#\r")
STRING(C_GD_1, "ATDT*99*12345#\r")
STRING(C_GD_2, "ATDP*99**1#\r")
STRING(C_GD_3, "ATD*99*12345*1*2#\r")
BYTE LC_GD_0 8
BYTE LC_GD_1 15
BYTE LC_GD_2 12
BYTE LC_GD_3 18
```

```
/* command: A */
STRING(C_A, "ATA\r")
BYTE LC_A 4
```

```
/* command: H */
STRING(C_H, "ATH\r")
BYTE LC_H 4
```

```
/* command: Z */
STRING(C_Z, "ATZ\r")
BYTE LC_Z 4
```

```
/* command: S0 */
STRING(C_S0_0, "ATS0=0\r")
STRING(C_S0_1, "ATS0=1\r")
BYTE LC_S0_0 4
BYTE LC_S0_1 4
```

BYTE MSID_NO 100

/*

3.3 MESSAGE SECTION

3.3.1 General messages

*/

STRING(M_OK, "OK")
BYTE LM_OK 2

STRING(M_CONNECT, "CONNECT")
BYTE LM_CONNECT 7

STRING(M_RING, "RING")
BYTE LM_RING 4

STRING(M_NO_CARRIER, "NO CARRIER")
BYTE LM_NO_CARRIER 10

STRING(M_ERROR, "ERROR")
BYTE LM_ERROR 5

/*

message: %SIMREM
 SIM removed

*/

STRING(M_PERCENT_SIMREM_ERR_0, "%SIMREM: 0")
BYTE LM_PERCENT_SIMREM_ERR_0 10

/*

3.3.2 AT command answer messages

*/

/* message: CGATT */
STRING(M_CGATT_R0, "+CGATT: 0")
STRING(M_CGATT_R1, "+CGATT: 1")
STRING(M_CGATT_T, "+CGATT: (0,1)")
BYTE LM_CGATT_R 9
BYTE LM_CGATT_T 13

/* message: +CGCLASS */

STRING(M_CGCLASS_RB, "+CGCLASS: \"B\"")
STRING(M_CGCLASS_RC, "+CGCLASS: \"C\"")
STRING(M_CGCLASS_RCG, "+CGCLASS: \"CG\"")
STRING(M_CGCLASS_RCC, "+CGCLASS: \"CC\"")
STRING(M_CGCLASS_T, "+CGCLASS: (\"B\", \"C\", \"CG\", \"CC\")")
BYTE LM_CGCLASS_RX 13
BYTE LM_CGCLASS_RXX 14
BYTE LM_CGCLASS_T 29

/* message: %CGCLASS */

STRING(M_PERCENT_CGCLASS_RB_XBC, "%CGCLASS: \"BX\", \"BC\"")
STRING(M_PERCENT_CGCLASS_RB_XBG, "%CGCLASS: \"BX\", \"BG\"")
STRING(M_PERCENT_CGCLASS_RB, "%CGCLASS: \"B\"")
STRING(M_PERCENT_CGCLASS_RBG, "%CGCLASS: \"BG\"")

```
STRING(M_PERCENT_CGCLASS_RBC, "%CGCLASS: \BC\"")
STRING(M_PERCENT_CGCLASS_RC, "%CGCLASS: \C\"")
STRING(M_PERCENT_CGCLASS_RCG, "%CGCLASS: \CG\"")
STRING(M_PERCENT_CGCLASS_RCC, "%CGCLASS: \CC\"")
BYTE LM_PERCENT_CGCLASS_RBX 19
```

```
/* command: CGDCONT*/
STRING(M_CGDCONT_R0, "+CGDCONT: ")
STRING(M_CGDCONT_R1, "+CGDCONT: 1,\IP\,\APN\,\255.255.255.255\",0,0")
STRING(M_CGDCONT_R2, "+CGDCONT: 2,\IP\,\APN\,\255.255.255.255\",1,1")
STRING(M_CGDCONT_T, "+CGDCONT: (1-2),\IP\,,,(0,1),(0,1)")
BYTE LM_CGDCONT_R0 10
BYTE LM_CGDCONT_R1 44
BYTE LM_CGDCONT_R 44
BYTE LM_CGDCONT_T 34
```

```
/* special command sequence */
STRING(M_CGDCONT_SP1, "+CGDCONT: 1,\IP\,\APN\,\18.52.86.120\",0,0")
STRING(M_CGDCONT_SP2, "+CGDCONT: 2,\IP\,\APN\,\18.52.86.120\",0,0")
BYTE LM_CGDCONT_SP1 41
BYTE LM_CGDCONT_SP 41
```

```
/* command: CGQREQ*/
STRING(M_CGQREQ_R0, "+CGQREQ: 1,0,0,0,0,0")
STRING(M_CGQREQ_R1, "+CGQREQ: 1,1,2,1,4,5")
STRING(M_CGQREQ_R2, "+CGQREQ: 1,3,4,3,2,1")
STRING(M_CGQREQ_R3, "+CGQREQ: 2,0,0,0,0,0")
STRING(M_CGQREQ_T, "+CGQREQ: \IP\,(1-3),(1-4),(1-5),(1-9),(1-18,31)")
BYTE LM_CGQREQ_RX 20
BYTE LM_CGQREQ_T 47
```

```
/* command: CGQMIN*/
STRING(M_CGQMIN_R0, "+CGQMIN: 1,0,0,0,0,0")
STRING(M_CGQMIN_R1, "+CGQMIN: 1,1,2,3,4,5")
STRING(M_CGQMIN_R2, "+CGQMIN: 1,3,4,3,2,1")
STRING(M_CGQMIN_R3, "+CGQMIN: 2,0,0,0,0,0")
STRING(M_CGQMIN_T, "+CGQMIN: \IP\,(1-3),(1-4),(1-5),(1-9),(1-18,31)")
BYTE LM_CGQMIN_RX 20
BYTE LM_CGQMIN_T 47
```

```
/* command: CGACT*/
STRING(M_CGACT_R00, "+CGACT: ")
STRING(M_CGACT_R10, "+CGACT: 1,0")
STRING(M_CGACT_R11, "+CGACT: 1,1")
STRING(M_CGACT_R20, "+CGACT: 1,0\r\n+CGACT: 2,0")
STRING(M_CGACT_R21, "+CGACT: 1,1\r\n+CGACT: 2,0")
STRING(M_CGACT_T, "+CGACT: (0,1)")
BYTE LM_CGACT_R0 8
BYTE LM_CGACT_R1 11
BYTE LM_CGACT_R2 24
BYTE LM_CGACT_T 13
```

```
/* command: CGDATA*/
STRING(M_CGDATA_T, "+CGDATA: \PPP\"")
BYTE LM_CGDATA_T 14
```

```
/* command: CGAUTO*/
STRING(M_CGAUTO_R0, "+CGAUTO: 0")
STRING(M_CGAUTO_R1, "+CGAUTO: 1")
```

```
STRING(M_CGAUTO_R2, "+CGAUTO: 2")
STRING(M_CGAUTO_R3, "+CGAUTO: 3")
STRING(M_CGAUTO_T, "+CGAUTO: (0-3)")
BYTE LM_CGAUTO_R 10
BYTE LM_CGAUTO_T 14
```

```
/* command: CGANS*/
STRING(M_CGANS_T, "+CGANS: (0,1),(\\"PPP\\")")
BYTE LM_CGANS_T 21
```

```
/* command: CGPADDR*/
STRING(M_CGPADDR_, "+CGPADDR: ")
STRING(M_CGPADDR_1_, "+CGPADDR: 1")
STRING(M_CGPADDR_1, "+CGPADDR: 1,\\\"255.255.255.255\\\"")
STRING(M_CGPADDR_1X, "+CGPADDR: 1,\\\"254.254.254.254\\\"")
STRING(M_CGPADDR_2, "+CGPADDR: 2,\\\"255.255.255.255\\\"")
STRING(M_CGPADDR_T0, "+CGPADDR: ()")
STRING(M_CGPADDR_T1, "+CGPADDR: (1)")
STRING(M_CGPADDR_T2, "+CGPADDR: (2)")
STRING(M_CGPADDR_T12, "+CGPADDR: (1,2)")
BYTE LM_CGPADDR_10
BYTE LM_CGPADDR_X_11
BYTE LM_CGPADDR_X 29
BYTE LM_CGPADDR_X 29
BYTE LM_CGPADDR_T0 12
BYTE LM_CGPADDR_T1 13
BYTE LM_CGPADDR_T2 13
BYTE LM_CGPADDR_T12 15
```

```
/* command: CGSMS*/
STRING(M_CGSMS_R0, "+CGSMS: 0")
STRING(M_CGSMS_R1, "+CGSMS: 1")
STRING(M_CGSMS_R2, "+CGSMS: 2")
STRING(M_CGSMS_R3, "+CGSMS: 3")
STRING(M_CGSMS_T, "+CGSMS: (0-3)")
BYTE LM_CGSMS_RX 9
BYTE LM_CGSMS_T 13
```

```
/* command: CGEREP */
/*STRING(C_CGEREP_0, "AT+CGEREP=0\r")
STRING(C_CGEREP_1, "AT+CGEREP=1\r")
STRING(C_CGEREP_2, "AT+CGEREP=2\r")
STRING(C_CGEREP_10, "AT+CGEREP=1,0\r")
STRING(C_CGEREP_11, "AT+CGEREP=1,1\r")
STRING(C_CGEREP_20, "AT+CGEREP=2,0\r")
STRING(C_CGEREP_21, "AT+CGEREP=2,1\r")
STRING(C_CGEREP_R, "AT+CGEREP?\r")
STRING(C_CGEREP_T, "AT+CGEREP=?\r")
BYTE LC_CGEREP_X 12
BYTE LC_CGEREP_XX 14
BYTE LC_CGEREP_R 11
BYTE LC_CGEREP_T 12*/
```

```
/* command: CGREG */
STRING(M_CGREG_00, "+CGREG: 0,0")
STRING(M_CGREG_01, "+CGREG: 0,1")
STRING(M_CGREG_02, "+CGREG: 0,2")
BYTE LM_CGREG_R 11
STRING(M_CGREG_0, "+CGREG: 0")
```

```
STRING(M_CGREG_1, "+CGREG: 1")
STRING(M_CGREG_2, "+CGREG: 2")
STRING(M_CGREG_3, "+CGREG: 3")
STRING(M_CGREG_4, "+CGREG: 4")
STRING(M_CGREG_5, "+CGREG: 5")
BYTE LM_CGREG 9
```

```
/* command: %CGREG */
STRING(M_P_CGREG_00, "%CGREG: 0,0")
STRING(M_P_CGREG_01, "%CGREG: 0,1")
STRING(M_P_CGREG_02, "%CGREG: 0,2")
BYTE LM_P_CGREG_R 11
STRING(M_P_CGREG_0, "%CGREG: 0")
STRING(M_P_CGREG_1, "%CGREG: 1")
STRING(M_P_CGREG_2, "%CGREG: 2")
STRING(M_P_CGREG_3, "%CGREG: 3")
STRING(M_P_CGREG_4, "%CGREG: 4")
STRING(M_P_CGREG_5, "%CGREG: 5")
STRING(M_P_CGREG_6, "%CGREG: 6")
STRING(M_P_CGREG_7, "%CGREG: 7")
STRING(M_P_CGREG_8, "%CGREG: 8")
BYTE LM_P_CGREG 9
```

```
/* command: CGAATT*/
STRING(M_CGAATT_R00, "%CGAATT: 0,0")
STRING(M_CGAATT_R01, "%CGAATT: 0,1")
STRING(M_CGAATT_R10, "%CGAATT: 1,0")
STRING(M_CGAATT_R11, "%CGAATT: 1,1")
STRING(M_CGAATT_T, "%CGAATT: (0,1),(0,1)")
BYTE LM_CGAATT_R 12
BYTE LM_CGAATT_T 20
```

```
/* command: COPS*/
STRING(M_PLUS_COPS_LST, "+COPS: (1,\"T-Mobile D\", \"TMO D\", \"26201\"), (1,\"Vodafone D2\", \"Voda D2\", \"26202\"), (1,\"E-Plus\", \"E-Plus\", \"26203\"))")
BYTE LM_PLUS_COPS_LST 105
```

```
/*
Command:      %CPRI
              ciphering indication set command
*/
STRING(C_PERCENT_CPRI_S1, "AT%CPRI=1" )
BYTE LC_PERCENT_CPRI_S1 9
```

```
/*
Command:      %CPRI
              ciphering indication set command
*/
STRING(C_PERCENT_CPRI_S2, "AT%CPRI=0" )
BYTE LC_PERCENT_CPRI_S2 9
```

```
/*
Command:      %CPRI
              ciphering indication query command
*/
STRING(C_PERCENT_CPRI_Q1, "AT%CPRI?" )
```

BYTE LC_PERCENT_CPRI_Q1 8

```
/*  
Message:      %CPRI  
             ciphering indication query message  
*/
```

```
STRING(M_PERCENT_CPRI_Q1, "%CPRI: 2" )  
BYTE LM_PERCENT_CPRI_Q1 8
```

```
/*  
Command:     %CPRI  
             ciphering indication test command  
*/
```

```
STRING(C_PERCENT_CPRI_T1, "AT%CPRI=?" )  
BYTE LC_PERCENT_CPRI_T1 9
```

```
/*  
Message:     %CPRI  
             ciphering indication test message  
*/
```

```
STRING(M_PERCENT_CPRI_T1, "%CPRI: (0,1)" )  
BYTE LM_PERCENT_CPRI_T1 12
```

```
/*  
Message:     %CPRI  
             ciphering indication query message (2)  
*/
```

```
STRING(M_PERCENT_CPRI_Q2, "%CPRI: 1" )  
BYTE LM_PERCENT_CPRI_Q2 8
```

```
/*  
Message:     %CPRI  
             ciphering indication unsolicited message  
*/
```

```
STRING(M_PERCENT_CPRI_U1, "%CPRI: 2,1" )  
BYTE LM_PERCENT_CPRI_U1 10
```

```
/* command: %CGPCO */  
/*Command %CGPCO = Set protocol configuration options for PDP context, ASCII:  
Auth prot  
user  
password  
dns1  
dns2  
cid */  
STRING(C_PERC	CGPCO_1,  
"AT%CGPCO=0,1,\"PAP,USER,PASSW,145.100.255.001,255.255.255.255\",0")  
BYTE LC_PERC	CGPCO_1 63
```

```
/*Command %CGPCO = Set protocol configuration options for PDP context, ASCII:  
Auth prot  
dns1  
cid  
*/  
STRING(C_PERC	CGPCO_2, "AT%CGPCO=0,1,\"PAP,,,145.100.255.001\",0")  
BYTE LC_PERC	CGPCO_2 38
```

```
STRING(C_PERC_CGPCO_3, "AT%CGPCO=0,1,\"PAP,userd1,passd1,0.0.0.0, 0.0.0.0\"")
```

```
/*Command %CGPCO = Query protocol configuration options for PDP context, ASCII:
```

```
  DNS1  
  DNS2  
  GATEWAY
```

```
*/
```

```
STRING(QUERY_PERC_CGPCO_1,"AT%CGPCO=1,1")  
BYTE LQ_PERC_CGPCO_1 12
```

```
/*Message Indication %CGPCO output pco's */
```

```
STRING(M_PERC_CGPCO_1, "%CGPCO:145.100.255.001,255.255.255.255,,0" )  
BYTE LM_PERC_CGPCO_1 41  
STRING(M_PERC_CGPCO_2, "%CGPCO:145.100.255.001,255.255.255.255,,1" )  
BYTE LM_PERC_CGPCO_2 41
```

```
STRING(M_QPERC_CGPCO_1,"%CGPCO:141.64.24.129,141.64.254.131,0")  
STRING(M_QPERC_CGPCO_2,"%CGPCO:141.64.102.3,0")
```

```
STRING(C_P_DATA_DEF, "AT%DATA=1,\"PKTIO\",0,,\"PKT\",,,1")  
STRING(C_P_DATA_ALL, "AT%DATA=1,\"PKTIO\",0,0,\"PKT\", \"UART\",0,0,1")
```

```
/* for UART dual port testing */
```

```
STRING(C_P_DATA_DP, "AT%DATA=2,\"UART\",1,,\"SER\", \"UART\",0")
```

```
/*----- ALL OTHER STUFF -----*/
```

```
/*
```

3.3.3 Values

```
*/
```

```
BYTE PIN_3_ATTEMPTS          3  
BYTE PIN_2_ATTEMPTS          2  
BYTE PUK_10_ATTEMPTS        10  
BYTE PIN_1    1  
BYTE PIN_2    2
```

```
/* all profiles supported 0xE0 */
```

```
BYTE MMI_AND_FDN_BDN          0xE0
```

```
BYTE GACI_TUI                  1  
BYTE UART_TUI                  2  
BYTE PPP_TUI                    3
```

```
BYTE OP_UNACK                   0x00  
BYTE OP_ACK                     0x01  
BYTE DTI_PID_UTCP               0x2F
```

```
/* digits 0 to 10 */
```

```
BYTE NUM_0 0  
BYTE NUM_1 1  
BYTE NUM_2 2  
BYTE NUM_3 3  
BYTE NUM_4 4  
BYTE NUM_5 5  
BYTE NUM_6 6  
BYTE NUM_7 7
```

BYTE NUM_8 8
BYTE NUM_9 9
BYTE NUM_10 10
BYTE NUM_12 12
BYTE NUM_21 21
BYTE NUM_22 22
BYTE NUM_FF 255
BYTE NUM_1000 1000

LONG VAL_T3314 44000
LONG VAL_T3312 3240000

USHORT NSAPI_SET_NSAPI_5 = 0x0020;
USHORT NSAPI_SET_NSAPI_6 = 0x0040;
USHORT NSAPI_SET_NSAPI_56 = 0x0060;

ULONG STRING_POINTER = 0xfe1234ef;
ULONG STRING_NULL_POINTER = 0;

#define DEVICE_1 NUM_0
#define DEVICE_2 NUM_4

ULONG UART_DTI_ID = 0x00000100;
ULONG UART_DTI_ID_2 = 0x00000200;
ULONG SNDCP_DTI_ID = 0x00000101;
ULONG SNDCP_DTI_ID_2 = 0x00000201;
ULONG SNDCP_NULL_DTI_ID = 0x00000200;
ULONG SNDCP_NULL_DTI_ID_2 = 0x00000300;
ULONG PKT_LINK_ID = 0x00000200;

#define STANDARD_DLCL NUM_FF

ULONG IP_ADDRESS_1 = 0xFFFFFFFF;

BYTE PEER_DIRECTION 1
BYTE PROT_DIRECTION 0

/* values for the elimination of warnings */

#define UNUSED_IN_TESTCASE 0

/* data PKTIO */

/* PKTIO data */

LONG LONG_0 0x00000000
BYTE DIO_CONV_PACKET 0x02
BYTE DIO_CONV_FAIL 0x09
BYTE DIO_MODE_DATA 0x02
BYTE DIO_SLEEP_DISABLE 0x02
LONG DIO_BAUD_812500 0x80000
LONG DIO_BAUD_14400 0x0400
BYTE DIO_CHAR_8 0x80
BYTE DIO_STOP_1 0x01
BYTE DIO_PARITY_NO 0x01
SHORT DIO_FLOW_HW_HW 0x100
BYTE DIO_ESC_OFF 0x00
SHORT PKTCS_SUCCESS 0xD200
SHORT PKTCS_DISCONNECT 0xD203
BYTE NORMAL_WAY 0x01
BYTE DTI_CHANNEL_TO_LOWER_LAYER 1 /* defined in dti.h */

```
/* Maximum transmission unit
*/
SHORTMTU_1500    1500
```

```
/* All baud rates allowed on shared memory except DIO_BAUD_AUTO
*/
LONG DIO_BAUD_SHAREDMEM    0x000FFFFE
LONG DIO_BAUD_TEST_1    0x000005FE
```

```
/*
```

3.3.4 Fields

```
*/
```

```
/* SIM Service Table with Nr. 4 */
```

```
FIELD (F_SIM_SRV_4) 0xC0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
ENDFIELD (F_SIM_SRV_4, 10)
```

```
FIELD (PIN_1_VALUE) 0x34, 0x33, 0x32, 0x31, 0xFF, 0xFF, 0xFF, 0xFF
ENDFIELD (PIN_1_VALUE, 8)
```

```
FIELD (PIN_1_WRONG) 0x31, 0x32, 0x33, 0x34, 0xFF, 0xFF, 0xFF, 0xFF
ENDFIELD (PIN_1_WRONG, 8)
```

```
FIELD (AIR_ADD_INFO_1)
    32, 0,
    0, 0,
    0x1, 0x2, 0x3, 0x4, 0x0, 0x0
ENDFIELD(AIR_ADD_INFO_1, 10)
```

```
/*
```

3.3.5 PLMN list (+COPS=?)

```
*/
```

```
BEGINARRAY (MCC_PLMN_LST_1, 3) 0x02, 0x06, 0x02 ENDARRAY
BEGINARRAY (MNC_PLMN_LST_1, 3) 0x00, 0x01, 0x0F ENDARRAY
```

```
BEGIN_PSTRUCT ("plmn", PLMN_LST_1)
    SET_COMP ("v_plmn", V_PLMN_PRES)
    SET_COMP ("mcc", MCC_PLMN_LST_1)
    SET_COMP ("mnc", MNC_PLMN_LST_1)
ENDSTRUCT
```

```
BEGINARRAY (MCC_PLMN_LST_2, 3) 0x02, 0x06, 0x02 ENDARRAY
BEGINARRAY (MNC_PLMN_LST_2, 3) 0x00, 0x02, 0x0F ENDARRAY
```

```
BEGIN_PSTRUCT ("plmn", PLMN_LST_2)
    SET_COMP ("v_plmn", V_PLMN_PRES)
    SET_COMP ("mcc", MCC_PLMN_LST_2)
    SET_COMP ("mnc", MNC_PLMN_LST_2)
ENDSTRUCT
```

```
BEGINARRAY (MCC_PLMN_LST_3, 3) 0x02, 0x06, 0x02 ENDARRAY
BEGINARRAY (MNC_PLMN_LST_3, 3) 0x00, 0x03, 0x0F ENDARRAY
```



```
BEGIN_PSTRUCT_ARRAY (PLMN_LST, GMMREG_MAX_PLMN_ID)
    PLMN_LST_1,
    PLMN_LST_2,
    PLMN_LST_3,
    EMPTY_PLMN_LST,
    ENDARRAY
```

/*DIO Capabilities from DIO */

```
BEGIN_PSTRUCT ("dio_dcb", DEFAULT_DCB_FROM_DIO_1)
    SET_COMP ("convergence", DIO_CONV_PACKET)
    SET_COMP ("data_mode", DIO_MODE_DATA)
    SET_COMP ("sleep_mode", DIO_SLEEP_DISABLE)
    SET_COMP ("mux_configuration", LONG_0)
    SET_COMP ("n1", NUM_0)
    SET_COMP ("n2", NUM_0)
    SET_COMP ("t1", NUM_0)
    SET_COMP ("t2", NUM_0)
    SET_COMP ("t3", NUM_0)
    SET_COMP ("k", NUM_0)
    SET_COMP ("mtu", MTU_1500)
    SET_COMP ("baud", DIO_BAUD_SHAREDMEM)
    SET_COMP ("data_bits", DIO_CHAR_8) /* Some defaults */
    SET_COMP ("stop_bits", DIO_STOP_1) /* Some defaults */
    SET_COMP ("parity", DIO_PARITY_NO) /* Some defaults */
    SET_COMP ("flow_control", DIO_FLOW_HW_HW) /* Shared memory is HW */
    SET_COMP ("xon", NUM_0)
    SET_COMP ("xoff", NUM_0)
    SET_COMP ("esc_char", NUM_0)
    SET_COMP ("guard_period", DIO_ESC_OFF) /* No guard pattern detection */
ENDSTRUCT
```

```
BEGIN_PSTRUCT ("dio_dcb", DEFAULT_DCB_FROM_DIO_2)
    SET_COMP ("convergence", DIO_CONV_PACKET)
    SET_COMP ("data_mode", DIO_MODE_DATA)
    SET_COMP ("sleep_mode", DIO_SLEEP_DISABLE)
    SET_COMP ("mux_configuration", LONG_0)
    SET_COMP ("n1", NUM_0)
    SET_COMP ("n2", NUM_0)
    SET_COMP ("t1", NUM_0)
    SET_COMP ("t2", NUM_0)
    SET_COMP ("t3", NUM_0)
    SET_COMP ("k", NUM_0)
    SET_COMP ("mtu", MTU_1500)
    SET_COMP ("baud", DIO_BAUD_TEST_1)
    SET_COMP ("data_bits", DIO_CHAR_8) /* Some defaults */
    SET_COMP ("stop_bits", DIO_STOP_1) /* Some defaults */
    SET_COMP ("parity", DIO_PARITY_NO) /* Some defaults */
    SET_COMP ("flow_control", DIO_FLOW_HW_HW) /* Shared memory is HW */
    SET_COMP ("xon", NUM_0)
    SET_COMP ("xoff", NUM_0)
```

```
        SET_COMP ("esc_char", NUM_0)
        SET_COMP ("guard_period", DIO_ESC_OFF) /* No guard pattern detection */
ENDSTRUCT
```

```
BEGIN_PSTRUCT ("dio_dcb", DEFAULT_DCB_FROM_DIO_3)
    SET_COMP ("convergence", DIO_CONV_FAIL)
    SET_COMP ("data_mode", DIO_MODE_DATA)
    SET_COMP ("sleep_mode", DIO_SLEEP_DISABLE)
    SET_COMP ("mux_configuration", LONG_0)
    SET_COMP ("n1", NUM_0)
    SET_COMP ("n2", NUM_0)
    SET_COMP ("t1", NUM_0)
    SET_COMP ("t2", NUM_0)
    SET_COMP ("t3", NUM_0)
    SET_COMP ("k", NUM_0)
    SET_COMP ("mtu", MTU_1500)
    SET_COMP ("baud", DIO_BAUD_SHAREDMEM)
    SET_COMP ("data_bits", DIO_CHAR_8) /* Some defaults */
    SET_COMP ("stop_bits", DIO_STOP_1) /* Some defaults */
    SET_COMP ("parity", DIO_PARITY_NO) /* Some defaults */
    SET_COMP ("flow_control", DIO_FLOW_HW_HW) /* Shared memory is HW */
    SET_COMP ("xon", NUM_0)
    SET_COMP ("xoff", NUM_0)
    SET_COMP ("esc_char", NUM_0)
    SET_COMP ("guard_period", DIO_ESC_OFF) /* No guard pattern detection */
ENDSTRUCT
```

/*DIO Capabilities from ACI */

```
BEGIN_PSTRUCT ("dio_dcb", DEFAULT_DCB_FROM_ACI_1)
    SET_COMP ("convergence", DIO_CONV_PACKET)
    SET_COMP ("data_mode", DIO_MODE_DATA)
    SET_COMP ("sleep_mode", DIO_SLEEP_DISABLE)
    SET_COMP ("mux_configuration", LONG_0)
    SET_COMP ("n1", NUM_0)
    SET_COMP ("n2", NUM_0)
    SET_COMP ("t1", NUM_0)
    SET_COMP ("t2", NUM_0)
    SET_COMP ("t3", NUM_0)
    SET_COMP ("k", NUM_0)
    SET_COMP ("mtu", MTU_1500)
    SET_COMP ("baud", DIO_BAUD_812500) /* Negotiated highest common */
    SET_COMP ("data_bits", DIO_CHAR_8)
    SET_COMP ("stop_bits", DIO_STOP_1)
    SET_COMP ("parity", DIO_PARITY_NO)
    SET_COMP ("flow_control", DIO_FLOW_HW_HW)
    SET_COMP ("xon", NUM_0)
    SET_COMP ("xoff", NUM_0)
    SET_COMP ("esc_char", NUM_0)
    SET_COMP ("guard_period", DIO_ESC_OFF)
ENDSTRUCT
```

```
BEGIN_PSTRUCT ("dio_dcb", DEFAULT_DCB_FROM_ACI_2)
    SET_COMP ("convergence", DIO_CONV_PACKET)
    SET_COMP ("data_mode", DIO_MODE_DATA)
    SET_COMP ("sleep_mode", DIO_SLEEP_DISABLE)
    SET_COMP ("mux_configuration", LONG_0)
    SET_COMP ("n1", NUM_0)
    SET_COMP ("n2", NUM_0)
```

```
SET_COMP ("t1", NUM_0)
SET_COMP ("t2", NUM_0)
SET_COMP ("t3", NUM_0)
SET_COMP ("k", NUM_0)
SET_COMP ("mtu", MTU_1500)
SET_COMP ("baud", DIO_BAUD_14400) /* Negotiated highest common */
SET_COMP ("data_bits", DIO_CHAR_8)
SET_COMP ("stop_bits", DIO_STOP_1)
SET_COMP ("parity", DIO_PARITY_NO)
SET_COMP ("flow_control", DIO_FLOW_HW_HW)
SET_COMP ("xon", NUM_0)
SET_COMP ("xoff", NUM_0)
SET_COMP ("esc_char", NUM_0)
SET_COMP ("guard_period", DIO_ESC_OFF)
ENDSTRUCT
```

/*

3.3.6 Arrays

3.3.6.1 Access point name – APN

```
*/
BEGINARRAY (APN_BUF_1, 4) 0x03, 0x41, 0x50, 0x4E
ENDARRAY
```

/*

3.3.6.2 Packet Data Protocol address – PDP address

```
*/
BEGINARRAY (PDP_ADD_BUF_1, 4)
    0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY
```

```
BEGINARRAY (PDP_ADD_BUF_2, 4)
    0xFE, 0xFE, 0xFE, 0xFE
ENDARRAY
```

```
BEGINARRAY (PDP_ADD_BUF_3, 4)
    0x12, 0x34, 0x56, 0x78
ENDARRAY
```

/*

3.3.6.3 Mobile Country Code and Mobile Network Code

```
*/
/* EF ECC field array */
BEGINARRAY (A_ECC_FIELD, 12) 0x11, 0xF2, 0xFF, 0x99, 0xF9, 0xFF, 0x21, 0x43, 0x65, 0xFF,
0xFF, 0xFF
ENDARRAY
```

```
/* EF AD field array , disable CI */
BEGINARRAY_PART (A_AD_FIELD_CI_DISABLED, 4) 0x00, 0x00, 0x00, 0x02
ENDARRAY
```

```
/* EF AD field array , enable CI */
BEGINARRAY_PART (A_AD_FIELD_CI_ENABLED, 4) 0x00, 0x00, 0x01, 0x02
ENDARRAY
```

```
BEGINARRAY (PREF_PLMN_ARRAY, 3) 0x00, 0x04, 0x09
```

ENDARRAY

BEGINARRAY (MCC_1,3) 0x00,0x04,0x09
ENDARRAY

BEGINARRAY (MCC_262,3) 0x02,0x06,0x02
ENDARRAY

BEGINARRAY (MNC_1,3) 0x00,0x04,0x0F
ENDARRAY

BEGINARRAY (MNC_02,3) 0x00,0x02,0x0F
ENDARRAY

BEGINARRAY (SIM_TOOLKIT_PROFILE,12) 0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00
ENDARRAY

BEGINARRAY (NO_EC_CODES, 15)
0xFF,0xFF,0xFF,0xFF,0xFF,
0xFF,0xFF,0xFF,0xFF,0xFF,
0xFF,0xFF,0xFF,0xFF,0xFF

ENDARRAY

BEGINARRAY (NO_PREF_LANG,5) 0xFF,0xFF,0xFF,0xFF,0xFF
ENDARRAY

BEGINARRAY (IMSI_ARRAY,9) 0x29, 0x26, 0x10, 0x74, 0x11, 0x94, 0x21, 0xFF, 0xFF
ENDARRAY

BEGINARRAY (SNDP_NAME_BUF, 6) 0x53, 0x4E, 0x44, 0x00, 0x00, 0x00
ENDARRAY

BEGINARRAY (UART_NAME_BUF, 6) 0x55, 0x41, 0x52, 0x54, 0x00, 0x00
ENDARRAY

/*

3.4 Primitive Structs

*/

SET_SDU (SDU, 32, 0)
0x01, 0x02, 0x03, 0x04
ENDSDU

SET_SDU (SDU_2, 40, 0)
0x05, 0x06, 0x07, 0x08, 0x09
ENDSDU

SET_SDU (SDU_3, 48, 0)
0x04, 0x05, 0x06, 0x07, 0x08, 0x09
ENDSDU

SET_SDU (SDU_CTX_REQ_DEF, 160, 0)
0x80,0x80,0x21,0x10,0x01,0x01,0x00,0x10,0x81,0x06,

```
0x00,0x00,0x00,0x00,0x83,0x06,0x00,0x00,0x00,0x00
ENDSDU
```

```
/* Code CONF_NAK-> no gateway */
SET_SDU (SDU_NET_DNS_1, 160, 0)
    0x80,
    0x80, 0x21, 0x10,
    0x03, 0x01, 0x00, 0x10, 0x81, 0x06, 0x8d, 0x40, 0x18, 0x81,
    0x83, 0x06, 0x8d, 0x40, 0xfe, 0x83
ENDSDU
```

```
/* Code CONF_REQ -> no primary and secondary DNS */
SET_SDU (SDU_NET_GATEW_2, 112, 0)
    0x80,
    0x80, 0x21, 0x0A,
    0x01, 0x01, 0x00, 0x0A, 0x03, 0x06, 0x8d, 0x40, 0x66, 0x03
ENDSDU
```

```
/*
```

3.4.1.1 PLMN

```
*/
BEGIN_PSTRUCT("plmn", PLMN_1)
    SET_COMP("v_plmn", V_PLMN_PRES)
    SET_COMP("mcc", MCC_1)
    SET_COMP("mnc", MNC_1)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("plmn", PLMN_262_02)
    SET_COMP("v_plmn", V_PLMN_PRES)
    SET_COMP("mcc", MCC_262)
    SET_COMP("mnc", MNC_02)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pref_plmn", PREF_PLMN)
    SET_COMP("c_pref", NUM_3)
    SET_COMP("pref", PREF_PLMN_ARRAY)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_apn", SMREG_APN_0_S)
    SHOW_COMP("buffer") /* this is an empty APN and mean: use the subscribed APN */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_apn", SMREG_APN_1)
    SET_COMP("buffer", APN_BUF_1) /* this is not a valid APN */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_apn", UNUSED_APN)
    SET_COMP("buffer", APN_BUF_1) /* this is not a valid APN */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pdp_address", PDP_ADDRESS_0_S)
    SHOW_COMP("buff") /* this is an empty PDP address and mean: use the subscribed PDP address */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pdp_address", PDP_ADDRESS_1)
    SET_COMP("buff", PDP_ADD_BUF_1) /* this is not a valid PDP address */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pdp_address", PDP_ADDRESS_2)
    SET_COMP("buff", PDP_ADD_BUF_2) /* this is not a valid PDP address */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pdp_address", PDP_ADDRESS_3)
    SET_COMP("buff", PDP_ADD_BUF_3) /* this is not a valid PDP address */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("pdp_address", UNUSED_PDP_ADDRESS)
    SET_COMP("buff", PDP_ADD_BUF_2) /* this is not a valid PDP address */
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", SMREG_QOS_0)
    SET_COMP("delay", NUM_0)
    SET_COMP("relclass", NUM_0)
    SET_COMP("peak", NUM_0)
    SET_COMP("preced", NUM_0)
    SET_COMP("mean", NUM_0)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", SMREG_QOS_1)
    SET_COMP("delay", NUM_2)
    SET_COMP("relclass", NUM_1)
    SET_COMP("peak", NUM_4)
    SET_COMP("preced", NUM_1)
    SET_COMP("mean", NUM_5)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", SMREG_QOS_2)
    SET_COMP("delay", NUM_4)
    SET_COMP("relclass", NUM_3)
    SET_COMP("peak", NUM_2)
    SET_COMP("preced", NUM_3)
    SET_COMP("mean", NUM_1)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", SMREG_QOS_3)
    SET_COMP("delay", NUM_1)
    SET_COMP("relclass", NUM_3)
    SET_COMP("peak", NUM_1)
    SET_COMP("preced", NUM_1)
    SET_COMP("mean", NUM_1)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", SMREG_QOS_4)
    SET_COMP("delay", NUM_2)
    SET_COMP("relclass", NUM_4)
    SET_COMP("peak", NUM_1)
    SET_COMP("preced", NUM_2)
    SET_COMP("mean", NUM_1)
ENDSTRUCT
```

```
BEGIN_PSTRUCT("smreg_qos", UNUSED_QOS)
    SET_COMP("delay", NUM_4)
    SET_COMP("relclass", NUM_3)
    SET_COMP("peak", NUM_2)
    SET_COMP("preced", NUM_3)
    SET_COMP("mean", NUM_1)
```

```
ENDSTRUCT

BEGIN_PSTRUCT("protocol_channel", SNDCP_CHANNEL)
    SET_COMP("protocol_entity", SNDCP_NAME_BUF)
ENDSTRUCT

BEGIN_PSTRUCT("peer_channel", UART_CHANNEL)
    SET_COMP("peer_entity", UART_NAME_BUF)
ENDSTRUCT

BEGIN_PSTRUCT("imsi_field", IMSI)
    SET_COMP("c_field", NUM_9)
    SET_COMP("field", IMSI_ARRAY)
ENDSTRUCT

BEGIN_PSTRUCT ("net_ctrl", S_NET_CTRL)
    SET_COMP ("spg_c_ccch_sup",    NUM_2)
    SET_COMP ("priority_access_thr", NUM_3)
ENDSTRUCT
```

4 TEST CASES

4.1 Routing (internal)

4.1.1 GACI000: Setup the Routing for the GACI test

Description:

Routings for the GACI tests are set.

Preamble:

None

APL	ACI	PS
COMMAND (TAP RESET)		
COMMAND (CC RESET)		
COMMAND (MM RESET)		
COMMAND (SIM RESET)		
COMMAND (SS RESET)		
COMMAND (MMI RESET)		
COMMAND (SMS RESET)		
COMMAND (GMM RESET)		
COMMAND (SM RESET)		
COMMAND (SND RESET)		
COMMAND (PPP RESET)		
COMMAND (UART REDIRECT MMI NULL)		
COMMAND (UART RESET)		
COMMAND (PKT RESET)		
COMMAND (PL RESET)		
COMMAND (TAP REDIRECT CLEAR)		
COMMAND (CC REDIRECT CLEAR)		
COMMAND (MM REDIRECT CLEAR)		
COMMAND (SIM REDIRECT CLEAR)		
COMMAND (SS REDIRECT CLEAR)		
COMMAND (MMI REDIRECT CLEAR)		
COMMAND (SMS REDIRECT CLEAR)		

```

COMMAND (GMM REDIRECT CLEAR)
COMMAND (SM REDIRECT CLEAR)
COMMAND (SND REDIRECT CLEAR)
COMMAND (PPP REDIRECT CLEAR)
COMMAND (UART REDIRECT CLEAR)
COMMAND (PKT REDIRECT CLEAR)
COMMAND (PL REDIRECT CLEAR)
|
COMMAND (MMI REDIRECT CC TAP)
COMMAND (MMI REDIRECT MM TAP)
COMMAND (MMI REDIRECT SIM TAP)
COMMAND (MMI REDIRECT SS TAP)
COMMAND (MMI REDIRECT MMI TAP)
COMMAND (MMI REDIRECT SMS TAP)
COMMAND (MMI REDIRECT PL TAP)
COMMAND (MMI REDIRECT GMM TAP)
COMMAND (MMI REDIRECT SM TAP)
COMMAND (MMI REDIRECT SND TAP)
COMMAND (MMI REDIRECT PPP TAP)
COMMAND (MMI REDIRECT PKT TAP)
COMMAND (MMI REDIRECT UART TAP)
COMMAND (PL REDIRECT MMI NULL)
|
COMMAND (TAP REDIRECT TAP MMI)
COMMAND (MMI REDIRECT MMI TAP)
|
    
```

Parametrization:

Primitive	Parameter	Value	
History:	20-6-00	BRZ	Initial

4.1.2 GACI001: Set ME to full functionality state, no PIN required

Description:

- <A> First command. The default class is "BG".
- Reset ME to full functionality state. This is used to check the reset behavior of the GACI entity.
- <C> The default class is set to "CG" before.
- <D> The default class is set to "CC" before.
- <E> The default class is set to "CC" after reset.
- ciphering indication disabled (A-E) / enabled (F)

Variants:

<A>...<F>

Preamble:

<A>GACI013
 GACI004
 <C>GACI005a
 <D>GACI005b
 <E>GACI005c
 <F>GACI013

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CFUN=1)	
	=====>	
(2)	SIM_ACTIVATE_REQ	
	=====>	
(3)	SIM_ACTIVATE_CNF	
	<=====	
(4)	SIM_MMI_INSERT_IND	
	<=====	
(5)	SIM_READ_REQ	
	=====>	
(6)	SIM_READ_CNF	
	<=====	
(7)	SIM_READ_REQ	
	=====>	
(8)	SIM_READ_CNF	
	<=====	
(9)	ACI_CMD_IND (msg: OK)	
	<=====	

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CFUN
	cmd_seq	C_CFUN_1
(2) SIM_ACTIVATE_REQ	proc	SIM_INITIALISATION
	mml_pro_file	MMI_AND_FDN_BDN
	stk_pro_file	NOT_USED
(3) SIM_ACTIVATE_CNF	cause	SIM_NO_ERROR
	pin_cnt	NUM_3
	puk_cnt	NUM_10
	pin2_cnt	NUM_3
	puk2_cnt	NUM_10
	ec_code	NO_EC_CODES
	pref_lang	NO_PREF_LANG
(4) SIM_MMI_INSERT_IND	func	SIM_ADN_ENABLED
	sim_serv	F_SIM_SRV_4
	imsi_field	IMSI
	pref_plmn	PREF_PLMN
	phase	PHASE_2_SIM
	access_acm	ACCESS_ALWAYS
	access_acmmax	ACCESS_ALWAYS
access_puct	ACCESS_ALWAYS	

(5) SIM_READ_REQ	source	SRC_MMI
	offset	NUM_0
	datafield	SIM_ECC
	length	NOT_PRESENT_8BIT
	max_length	NUM_0
(6) SIM_READ_CNF		
	datafield	SIM_ECC
	cause	SIM_NO_ERROR
	length	NUM_12
	trans_data	A_ECC_FIELD
(7) SIM_READ_REQ	source	SRC_MMI
	offset	NUM_0
	datafield	SIM_AD
	length	NOT_PRESENT_8BIT
	max_length	NUM_0
(8) SIM_READ_CNF		
	datafield	SIM_AD
	cause	SIM_NO_ERROR
	length	NUM_4
<A>	trans_data	A_AD_FIELD_CI_DISABLED
	trans_data	A_AD_FIELD_CI_DISABLED
<C>	trans_data	A_AD_FIELD_CI_DISABLED
<D>	trans_data	A_AD_FIELD_CI_DISABLED
<E>	trans_data	A_AD_FIELD_CI_DISABLED
<F>	trans_data	A_AD_FIELD_CI_ENABLED
(9) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

01-07-2001	brz	split +CFUN and +COPS command
28-04-2001	brz	clear unexpected primitives
16-02-2000	FK	Initial

4.1.3 GACI002: Automatic registration (GPRS automatic attach)

Description:

- <A> ME is in full functionality state.
- Reset ME to full functionality state. This is used to check the reset behavior of the GACI entity.
- <C> The default class is set to "CC" before.
- <D> The default class is set to "CC" after reset.

Variants:

<A>...<D>

Preamble:

<A>GACI001a
 GACI001b
 <C>GACI001d
 <D>GACI001e

APL	ACI	PS
COMMAND (MMI CONFIG AUTO_ATTACH)		
COMMAND (MMI CONFIG MAN_DETACH)		
(1)	ACI_CMD_REQ (cmd: +COPS=0)	
	* =====> *	
(2)	GMMREG_PLMN_MODE_REQ	
	* =====> *	
(3)	GMMREG_ATTACH_REQ	
	* =====> *	
(4)	GMMREG_ATTACH_CNF	
	* <===== *	
(5)	GMMREG_PLMN_MODE_REQ	
	* =====> *	
(6)	ACI_CMD_IND (msg: OK)	
	* <===== *	

Parametrization:

Primitive	Parameter	Value	
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT	
	cmd_len	LC_COPS	
	cmd_seq	C_COPS_0	
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	GMMREG_NET_SEL_MODE_AUTO	
(3) GMMREG_ATTACH_REQ	<A>	mobile_class	GMMREG_CLASS_BG
		mobile_class	GMMREG_CLASS_BG
	<C>	mobile_class	GMMREG_CLASS_CC
	<D>	mobile_class	GMMREG_CLASS_CC
	<A>	attach_type	GMMREG_AT_COMB
		attach_type	GMMREG_AT_COMB
	<C>	attach_type	GMMREG_AT_IMSI
	<D>	attach_type	GMMREG_AT_IMSI
		service_mode	SERVICE_MODE_FULL
		t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312	
(4) GMMREG_ATTACH_CNF	<A>	attach_type	GMMREG_AT_COMB
		attach_type	GMMREG_AT_COMB
	<C>	attach_type	GMMREG_AT_IMSI
	<D>	attach_type	GMMREG_AT_IMSI
		plmn	PLMN_1
		lac	NUM_1
		rac	NUM_1
		cid	NUM_1
		gprs_indicator	GMM_GPRS_SUPP_YES
		search_running	GMMREG_SEARCH_NOT_RUNNING

(5) GMMREG_PLMN_MODE_REQ

net_selection_mode
 GMMREG_NET_SEL_MODE_AUTO

(6) ACI_CMD_IND

cmd_len LM_OK
 cmd_seq M_OK

History:

01-07-2001	brz	split +CFUN and +COPS command
28-04-2001	brz	clear unexpected primitives
16-02-2000	brz	Initial

4.1.4 GACI003: Automatic registration (GPRS manual attach)

Description:

- <A> The default class is "BG".
- The default class is set to "CC" before.
- <C> The default class is set to "CC" after reset.

Variants:

<A>...<C>

Preamble:

- <A>GACI001a
- GACI001d
- <C>GACI001e

```

    APL                               ACI                               PS
COMMAND (MMI CONFIG MAN_ATTACH)
COMMAND (MMI CONFIG MAN_DETACH)
(1) |                               |                               |
    |                               | ACI_CMD_REQ                   |
    |                               | (cmd: +COPS=0)                |
    | * =====> *                 |                               |
(2) |                               | GMMREG_PLMN_MODE_REQ         |
    |                               | * =====> *                 |
(3) |                               | GMMREG_ATTACH_REQ           |
    |                               | * =====> *                 |
(4) |                               | GMMREG_ATTACH_CNF           |
    |                               | * <===== *                 |
(5) |                               | GMMREG_PLMN_MODE_REQ         |
    |                               | * =====> *                 |
(6) |                               |                               |
    | ACI_CMD_IND                   |                               |
    | (msg: OK)                      |                               |
    | * <===== *                 |                               |
    |                               |                               |

```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_0
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	GMMREG_NET_SEL_MODE_AUTO
	GMMREG_NET_SEL_MODE_AUTO	
(3) GMMREG_ATTACH_REQ	<A> mobile_class	GMMREG_CLASS_BG
	 mobile_class	GMMREG_CLASS_CC

(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_CFUN C_CFUN_0
(2) SIM_SYNC_REQ	synccs	SYNC_DEACTIVATE
(3) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_POWER_OFF
(4) SIM_SYNC_CNF	cause	SYNC_DEACTIVATE
(5) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_POWER_OFF
(6) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History: 28-09-2000 BRZ Initial

4.1.6 GACI005: change the default mobile class

Description:

First command before set ME to minimum functionality state.

Variants:

<A>...<C>

Preamble:

<A>GACI013
 GACI013
 <C>GACI004

	APL		ACI		PS
(1)		ACI_CMD_REQ			
		(cmd: CGCLASS=CG)			
		* =====>			
(2)		ACI_CMD_IND			
		(msg: OK)			
		* <=====			

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGCLASS_XX
	cmd_len	LC_CGCLASS_XX
<C>	cmd_len	LC_CGCLASS_XX
<A>	cmd_seq	C_CGCLASS_CG
	cmd_seq	C_CGCLASS_CC
<C>	cmd_seq	C_CGCLASS_CC
(1) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

01-07-2001 brz Initial

4.1.7 GACI006: Automatic registration (GPRS automatic attach)

Description:

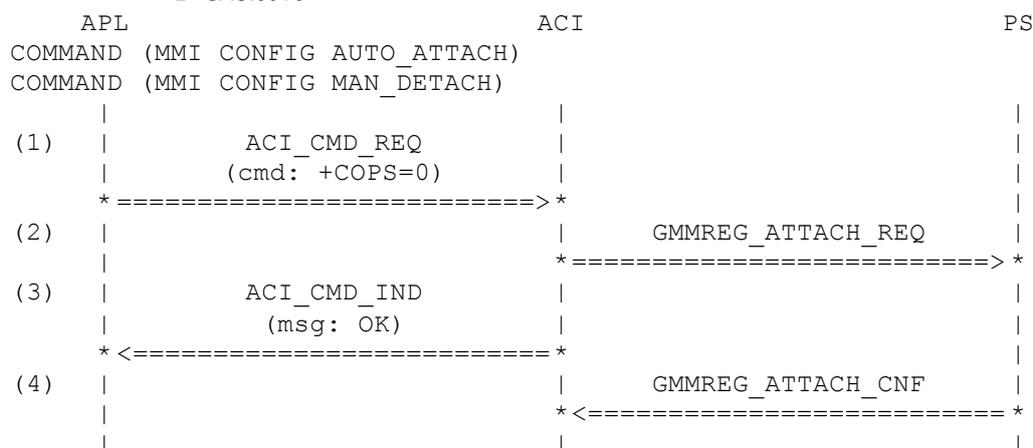
- <A> The default class is set to "CG" before.
- The default class is set to "CG" before.

Variants:

<A>...

Preamble:

- <A>GACI001c
- GACI001c



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_0
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_CG
<A>	mobile_class	GMMREG_CLASS_CG
	attach_type	GMMREG_AT_GPRS
<A>	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(4) GMMREG_ATTACH_CNF	attach_type	GMMREG_AT_GPRS
<A>	attach_type	GMMREG_AT_GPRS
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES

search_running
 GMMREG_SEARCH_NOT_RUNNING

History:

08-07-2001	brz	Indication changed (OK)
01-07-2001	brz	Initial

4.1.8 GACI007: registration failed

Description:

<A> The default class is "BG".
 The default class is "CC".

Variants:

<A>...

Preamble:

<A>GACI001a
 GACI001d

	APL	ACI	PS
	COMMAND (MMI CONFIG AUTO_ATTACH)		
	COMMAND (MMI CONFIG MAN_DETACH)		
(1)	ACI_CMD_REQ (cmd: +COPS=0)		
	=====>		
(2)		GMMREG_PLMN_MODE_REQ	
		=====>	
(3)		GMMREG_ATTACH_REQ	
		=====>	
(4)		GMMREG_ATTACH_REJ	
		<=====	
(5)		GMMREG_PLMN_MODE_REQ	
		=====>	
(6)	ACI_CMD_IND (msg: ERROR)		
	<=====		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_0
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	GMMREG_NET_SEL_MODE_AUTO
(3) GMMREG_ATTACH_REQ	<A>	mobile_class
		mobile_class
	<A>	attach_type
		attach_type
		service_mode
		t3314_ready_val
		t3312_standby_rau_val
(4) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_COMB

	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(4) GMMREG_ATTACH_CNF		
	attach_type	GMMREG_AT_IMSI
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING
(5) GMMREG_PLMN_MODE_REQ		
	net_selection_mode	GMMREG_NET_SEL_MODE_AUTO
(6) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(7) GMMREG_ATTACH_CNF		
	attach_type	GMMREG_AT_COMB
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING

(3) GMMREG_ATTACH_REQ	mobile_class attach_type service_mode t3314_ready_val t3312_standby_rau_val	GMMREG_CLASS_BG GMMREG_AT_COMB SERVICE_MODE_FULL VAL_T3314 VAL_T3312
(4) GMMREG_ATTACH_REJ	detach_type cause search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_DT_IMSI GMMCS_IMSI_UNKNOWN
(5) GMMREG_PLMN_MODE_REQ	net_selection_mode GMMREG_NET_SEL_MODE_AUTO	
(6) ACI_CMD_IND	cmd_len cmd_seq	LM_ERROR M_ERROR
(7) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_GPRS PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES

History:

08-07-2001 brz Initial

4.1.12 GACI011: Automatic registration, but combined rejected

Description:

Preamble:

```

GACI001a
APL          ACI          PS
COMMAND (MMI CONFIG AUTO_ATTACH)
COMMAND (MMI CONFIG MAN_DETACH)
(1) |          ACI_CMD_REQ          |          |
    |          (cmd: +COPS=0)      |          |
    | *=====> *                  |          |
(2) |          GMMREG_PLMN_MODE_REQ |          |
    | *=====> *                  |          |
(3) |          GMMREG_ATTACH_REQ    |          |
    | *=====> *                  |          |
(4) |          GMMREG_ATTACH_REJ    |          |
    | *<===== *                  |          |
(5) |          GMMREG_PLMN_MODE_REQ |          |
    | *=====> *                  |          |
(6) |          ACI_CMD_IND          |          |
    |          (msg: ERROR)         |          |
    | *<===== *                  |          |
(7) |          GMMREG_ATTACH_REJ    |          |
    | *<===== *                  |          | |
    |          |                   |          |
    |          |                   |          |
    
```

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_0
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_AUTO	
(3) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(4) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_IMSI
	cause	GMMCS_IMSI_UNKNOWN
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	
(5) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_AUTO	
(6) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR
(7) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_COMB
	cause	GMMCS_IMSI_UNKNOWN
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	

History:

08-07-2001 brz Initial

4.1.13 GACI012: GPRS only mode: registration failed

Description:

The default class is "CG".

Preamble:

```

GACI001c
      APL                               ACI                               PS
COMMAND (MMI CONFIG AUTO_ATTACH)
COMMAND (MMI CONFIG MAN_DETACH)
(1)  |          ACI_CMD_REQ           |                               |
      |          (cmd: +COPS=0)       |                               |
      * =====> *                   |                               |
(2)  |                               |          GMMREG_ATTACH_REQ    |
      |                               |          * =====> *         |
(3)  |          ACI_CMD_IND           |                               |
      |          (msg: OK)            |                               |
      * <===== *                   |                               |
(4)  |                               |          GMMREG_ATTACH_REJ    |
      |                               |          * <===== *         |
      |                               |                               |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_0
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_CG
	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(4) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_COMB
	cause	GMMCS_IMSI_UNKNOWN
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	

History:

08-07-2001 BRZ Initial

4.1.14 GACI013: UART Init

Description: MMI reset is done after in the initialization... Means, every primitive that has to be sent at the very beginning should be here defined.

Preamble:

GACI000

APL	ACI	PS
COMMAND (MMI CONFIG EXPAND_ATI_SRC_TST)		
(1)	UART_PARAMETERS_REQ	
(2)	UART_PARAMETERS_CNF	
(3)	DTI2_CONNECT_REQ	
(4)	UART_DTI_REQ	
(5)	DTI2_CONNECT_CNF	
(6)	UART_DTI_CNF	

Parametrization:

Primitive	Parameter	Value
(1) UART_PARAMETERS_REQ	device	DEVICE_1
	comPar	NOT_USED
(2) UART_PARAMETERS_CNF	device	DEVICE_1
(3) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(4) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dLci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(5) DTI2_CONNECT_CNF	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dLci	STANDARD_DLCI

History:

26-08-2002	brz	Adaptation to DTI2
30-07-2001	brz	changes for MULTI INSTANCE ACI
15-02-2001	clb	Initial

4.1.15 GACI014: Add second test source

Description: MMI reset is done after in the initialization... Means, every primitive that has to be sent at the very beginning should be here defined.

Variants:

<A>...

Preamble:

- <A>GACI100a
- GACI400a
- <C>GACI100K
- <D>GACI100L
- <E>GACI400c
- <F>GACI400d

APL	ACI	PS
COMMAND (MMI CONFIG ADD_TST_SRC UART)		
(1)	UART_PARAMETERS_REQ	
(2)	UART_PARAMETERS_CNF	
(3)	DTI2_CONNECT_REQ	
(4)	UART_DTI_REQ	
(5)	DTI2_CONNECT_CNF	
(6)	UART_DTI_CNF	

Parametrization:

Primitive	Parameter	Value
(1) UART_PARAMETERS_REQ	device	DEVICE_2
	comPar	NOT_USED
(2) UART_PARAMETERS_CNF	device	DEVICE_2
(3) DTI2_CONNECT_REQ	link_id	UART_DTI_ID_2
	version	DTI_VERSION_10
(4) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_2
	dLci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID_2
	entity_name	STRING_POINTER

(5) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID_2 DTI_VERSION_10
(6) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_2 STANDARD_DLICI

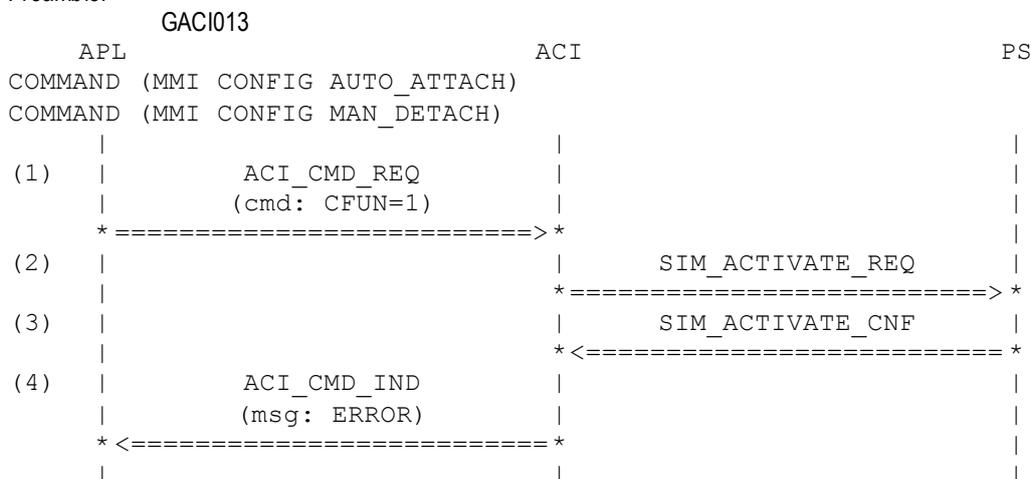
History:

24-09-2001	clb	Initial
11-12-2002	rm	add variants C – F for query network pco

4.1.16 GACI015: Set ME to full functionality state, PIN required

Description:

Preamble:



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CFUN
	cmd_seq	C_CFUN_1
(2) SIM_ACTIVATE_REQ	proc	SIM_INITIALISATION
	mmi_pro_file	MMI_AND_FDN_BDN
	stk_pro_file	NOT_USED
(3) SIM_ACTIVATE_CNF	cause	SIM_CAUSE_PIN1_EXPECT
	pin_cnt	PIN_3_ATTEMPTS
	puk_cnt	PUK_10_ATTEMPTS
	pin2_cnt	PIN_3_ATTEMPTS
	puk2_cnt	PUK_10_ATTEMPTS
	ec_code	NO_EC_CODES
pref_lang	NO_PREF_LANG	
(4) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

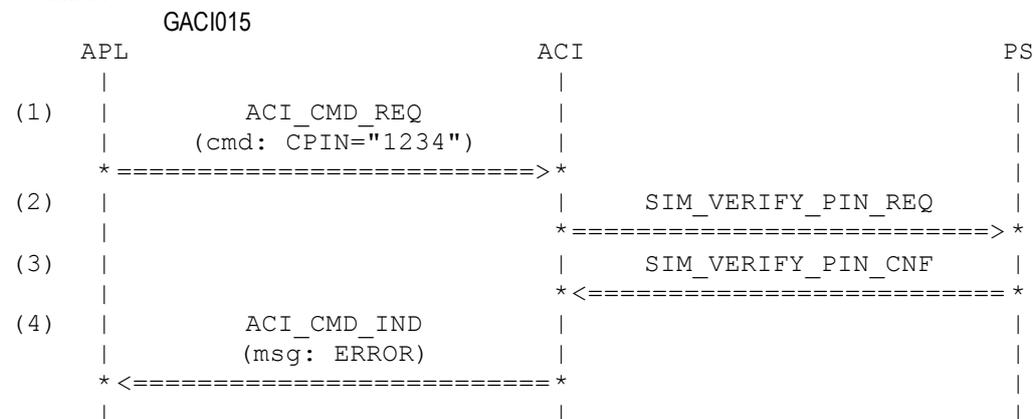
History: 16-02-2000

brz Initial

4.1.17 GACI016: Enter a wrong PIN

Description:

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CPIN
	cmd_seq	C_CPIN_WRONG
(2) SIM_VERIFY_PIN_REQ	source	SRC_MMI
	pin	PIN_1_WRONG
	pin_id	PIN_1
(3) SIM_VERIFY_PIN_CNF	cause	SIM_CAUSE_PIN1_EXPECT
	pin_id	PIN_1
	pin_cnt	PIN_2_ATTEMPTS
	puk_cnt	PUK_10_ATTEMPTS
	pin2_cnt	PIN_3_ATTEMPTS
	puk2_cnt	PUK_10_ATTEMPTS
(4) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

(3) SIM_VERIFY_PIN_CNF	cause pin_id pin_cnt puk_cnt pin2_cnt puk2_cnt	SIM_NO_ERROR PIN_1 PIN_3_ATTEMPTS PUK_10_ATTEMPTS PIN_3_ATTEMPTS PUK_10_ATTEMPTS
(4) SIM_MMI_INSERT_IND	func sim_serv imsi_field pref_plmn phase access_acm access_acmmax access_puct	SIM_ADN_ENABLED F_SIM_SRV_4 IMSI PREF_PLMN PHASE_2_SIM ACCESS_ALWAYS ACCESS_ALWAYS ACCESS_ALWAYS
(5) SIM_READ_REQ	source offset datafield length max_length	SRC_MMI NUM_0 SIM_ECC NOT_PRESENT_8BIT NUM_0
(6) SIM_READ_CNF	datafield cause length trans_data	SIM_ECC SIM_NO_ERROR NUM_12 A_ECC_FIELD
(7) SIM_READ_REQ	source offset datafield length max_length	SRC_MMI NUM_0 SIM_AD NOT_PRESENT_8BIT NUM_0
(8) SIM_READ_CNF	datafield cause length trans_data	SIM_AD SIM_NO_ERROR NUM_4 A_AD_FIELD_CI_DISABLED
(9) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(10) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_COPS C_COPS_0
(11) GMMREG_PLMN_MODE_REQ	net_selection_mode GMMREG_NET_SEL_MODE_AUTO	
(12) GMMREG_ATTACH_REQ	mobile_class attach_type service_mode t3314_ready_val t3312_standby_rau_val	GMMREG_CLASS_BG GMMREG_AT_COMB SERVICE_MODE_FULLL VAL_T3314 VAL_T3312

(13) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_COMB PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES
(14) GMMREG_PLMN_MODE_REQ	net_selection_mode GMMREG_NET_SEL_MODE_AUTO	
(15) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History: 16-02-2000 FK Initial

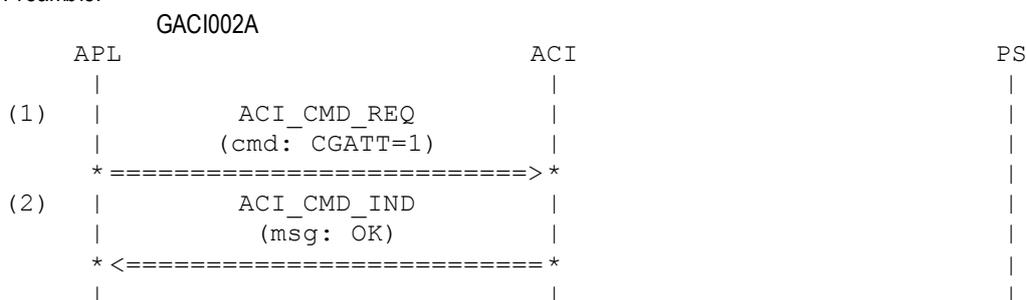
4.2 Root functions

4.2.1 GACI020: Attach mobile after it already is attached

Description:

GPRS will be attaching again. GACI will just return OK since the mobile has already been attached in preamble GACI002A

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGATT
	cmd_seq	C_CGATT_1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

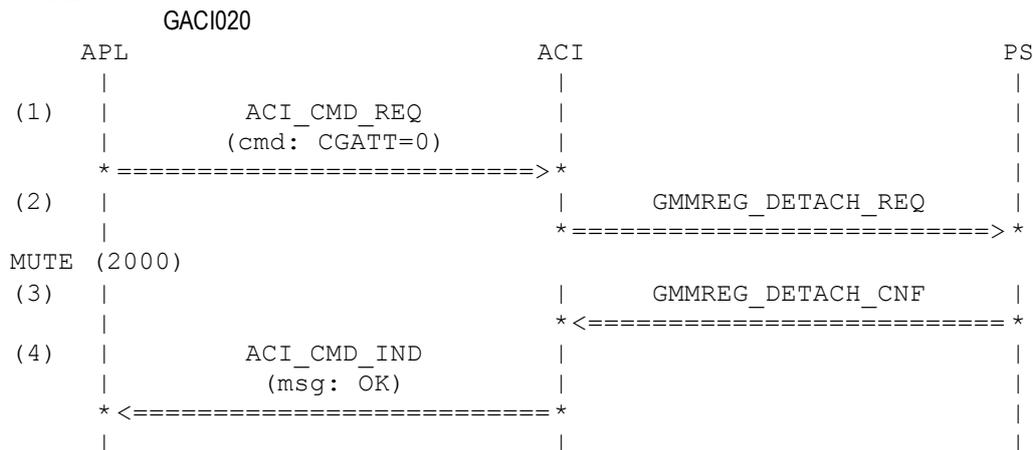
	26-08-2001	JKH	removed gmm_attach_req & cnf since mobile is at-
tached			
	01-03-2001	brz	change interface to GMM
	06-07-2000	brz	Initial

4.2.2 GACI021: detach mobile

Description:

GPRS will be detaching.

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGATT
	cmd_seq	C_CGATT_0
(2) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(3) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS
(4) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:	07-07-2000	brz	Initial
----------	------------	-----	---------

4.2.3 GACI022: change the mobile class

Description:

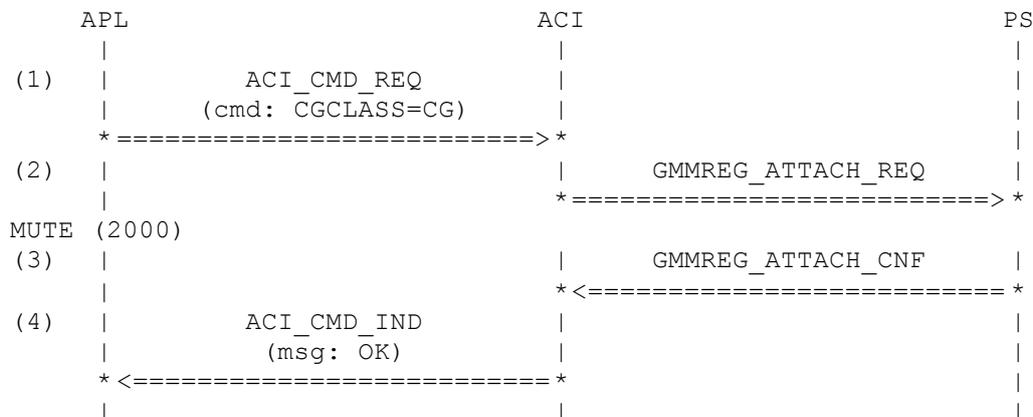
- <A>The protocol stack is attached and we change the mobile class.
- The protocol stack is attached and we change back the mobile class.
- <C>The protocol stack is detached and we change the mobile class.
- <D>The protocol stack is attached and we change the mobile class.
- <E>The protocol stack is attached and we change the mobile class.
- <F>The protocol stack is attached and we change the mobile class.

Variants:

<A>...<F>

Preamble:

<A>GACI020
 GACI020
 <C>GACI022a
 <D>GACI021
 <E>GACI020
 <F>GACI020



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGCLASS_XX
<C>	cmd_len	LC_CGCLASS_X
<D>	cmd_len	LC_CGCLASS_X
<E>	cmd_len	LC_CGCLASS_X
<F>	cmd_len	LC_CGCLASS_XX
<A>	cmd_seq	C_CGCLASS_CG
	cmd_seq	C_CGCLASS_B
<C>	cmd_seq	C_CGCLASS_B
<D>	cmd_seq	C_CGCLASS_B
<E>	cmd_seq	C_CGCLASS_C
<F>	cmd_seq	C_CGCLASS_CC
(2) GMMREG_ATTACH_REQ		
<A>	mobile_class	GMMREG_CLASS_CG
	mobile_class	GMMREG_CLASS_BG
<C>	mobile_class	GMMREG_CLASS_BG
<D>	mobile_class	GMMREG_CLASS_BG
<E>	mobile_class	GMMREG_CLASS_CG
<F>	mobile_class	GMMREG_CLASS_CC
<A>	attach_type	GMMREG_AT_GPRS
	attach_type	GMMREG_AT_COMB
<C>	attach_type	GMMREG_AT_COMB
<D>	attach_type	GMMREG_AT_COMB
<E>	attach_type	GMMREG_AT_GPRS
<F>	attach_type	GMMREG_AT_IMSI
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) GMMREG_ATTACH_CNF		
<A>	attach_type	GMMREG_AT_GPRS
	attach_type	GMMREG_AT_COMB

<C>	attach_type	GMMREG_AT_COMB
<D>	attach_type	GMMREG_AT_COMB
<E>	attach_type	GMMREG_AT_GPRS
<F>	attach_type	GMMREG_AT_IMSI
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING

(4) ACI_CMD_IND

cmd_len	LM_OK
cmd_seq	M_OK

History:

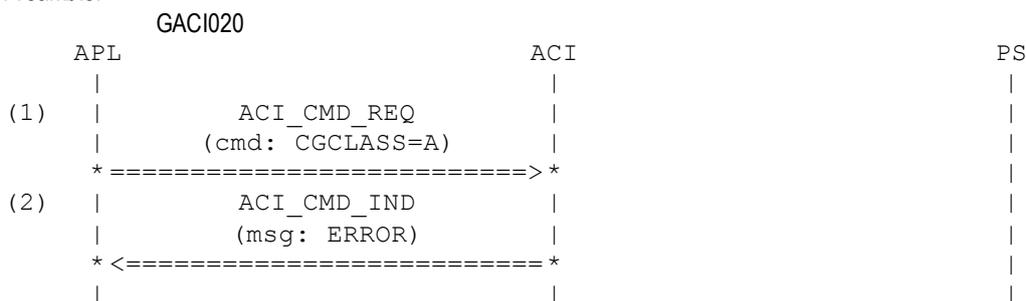
22-02-2001	brz	add Variants
20-09-2000	brz	add Variants
07-07-2000	brz	Initial

4.2.4 GACI023: Command change mobile class but no changes possihle

Description:

The protocol stack is attached and the mobile class is not supported.

Preamble:



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGCLASS_X
	cmd_seq	C_CGCLASS_A
(2) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History:

20-09-2000	brz	Variants
07-07-2000	brz	Initial

4.2.5 GACI024: change the mobile class

Description:

The protocol stack is attached and we change the mobile class.

Preamble:

```

GACI002a
      APL                               ACI                               PS
      |                                 |                                 |
(1)  |                                 |                                 |
      |      ACI_CMD_REQ               |                                 |
      |      (cmd: CGCLASS=CG)         |                                 |
      | *=====> *                    |                                 |
(2)  |                                 |      GMMREG_ATTACH_REQ         |
      |                                 | *=====> *                    |
MUTE (2000)
(3)  |                                 |      GMMREG_ATTACH_REJ         |
      |                                 | *<===== *                    |
(4)  |      ACI_CMD_IND               |                                 |
      |      (msg: OK)                 |                                 |
      | *<===== *                    |                                 |
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(2) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGCLASS_XX
	cmd_seq	C_CGCLASS_CG
(3) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_CG
	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(4) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_COMB
	cause	GMMCS_NET_FAIL
	search_running	GMMREG_SEARCH_NOT_RUNNING
(5) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

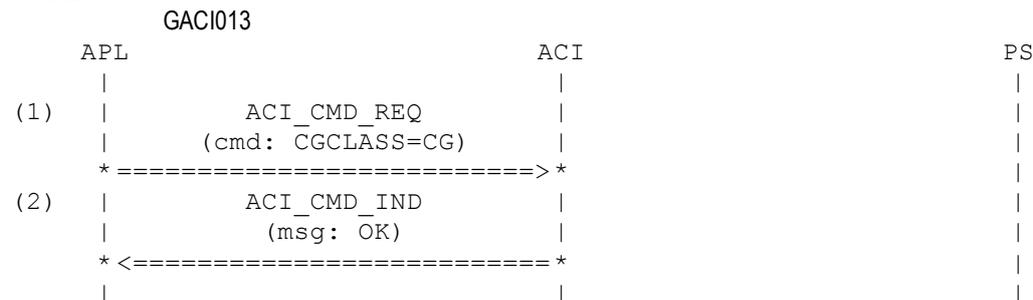
History: 29-06-2001 brz Initial

4.2.6 GACI025: change the default mobile class

Description: The protocol stack is off (before +CFUN=1).

Variants: <A>...<D>

Preamble:



Parametrization:

Primitive	Parameter	Value
(6) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGCLASS_X
	cmd_len	LC_CGCLASS_X
<C>	cmd_len	LC_CGCLASS_XX
<D>	cmd_len	LC_CGCLASS_XX
<A>	cmd_seq	C_CGCLASS_B
	cmd_seq	C_CGCLASS_C
<C>	cmd_seq	C_CGCLASS_CG
<D>	cmd_seq	C_CGCLASS_CC
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 01-07-2001 brz Initial

4.2.7 GACI027: CGAATT

Description:

Variants: <A>...<D>

Preamble:

```

GACI013
      APL                      ACI                      PS
      |                        |                        |
(1)  |      ACI_CMD_REQ      |                        |
      |      (cmd: CGAATT=0,0)|                        |
      * =====> *
(2)  |      ACI_CMD_IND      |                        |
      |      (msg: OK)       |                        |
      * <===== *
      |                        |                        |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGAATT_X
	cmd_len	LC_CGAATT_X
<C>	cmd_len	LC_CGAATT_X
<D>	cmd_len	LC_CGAATT_X
<A>	cmd_seq	C_CGAATT_00
	cmd_seq	C_CGAATT_01
<C>	cmd_seq	C_CGAATT_10
<D>	cmd_seq	C_CGAATT_11
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

07-05-2001 brz Initial

4.2.8 GACI030: Attach mobile

Description:

start in the state: combined detached.

Preamble:

```

GACI001a
      APL                      ACI                      PS
      |                        |                        |
(1)  |      ACI_CMD_REQ      |                        |
      |      (cmd: CGATT=1)  |                        |
      * =====> *
(2)  |                        |      GMMREG_ATTACH_REQ  |
      |                        * =====> *
MUTE (2000)
(3)  |                        |      GMMREG_ATTACH_CNF  |
      |                        * <===== *
(4)  |      ACI_CMD_IND      |                        |
      |      (msg: OK)       |                        |
      * <===== *
      |                        |                        |
    
```

Parametrization:

Primitive	Parameter	Value
-----------	-----------	-------

(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_CGATT C_CGATT_1
(2) GMMREG_ATTACH_REQ	mobile_class attach_type service_mode t3314_ready_val t3312_standby_rau_val	GMMREG_CLASS_BG GMMREG_AT_GPRS SERVICE_MODE_FULL VAL_T3314 VAL_T3312
(3) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_GPRS PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES
(4) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History:

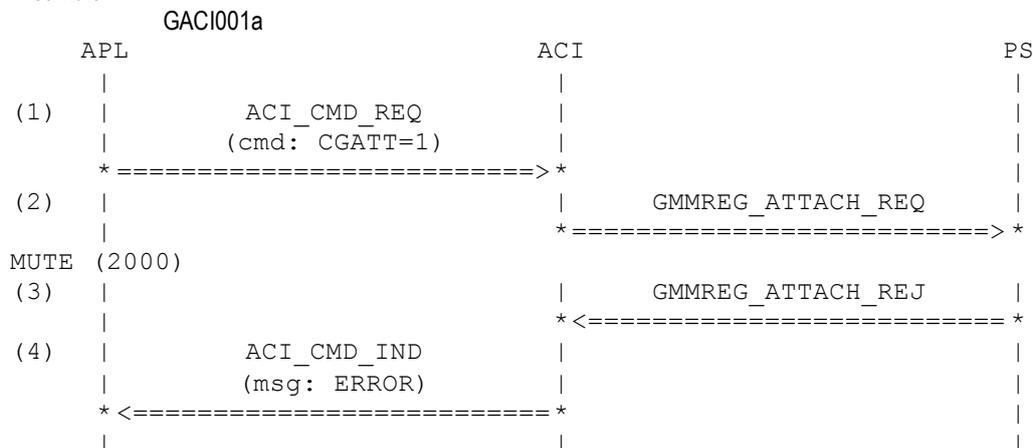
01-03-2001 brz Initial

4.2.9 GACI031: Attach mobile

Description:

start in the state: combined detached.

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_CGATT C_CGATT_1
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG

	cmd_len	LM_CGATT_R
<C>	cmd_len	LM_CGATT_R
<D>	cmd_len	LM_CGATT_R
<A>	cmd_seq	M_CGATT_T
	cmd_seq	M_CGATT_R0
<C>	cmd_seq	M_CGATT_R1
<D>	cmd_seq	M_CGATT_R0

History:

20-09-2000	brz	remove check after automatically attach
07-08-2000	brz	Initial

4.2.11 GACI036: Class status and test commands

Description:

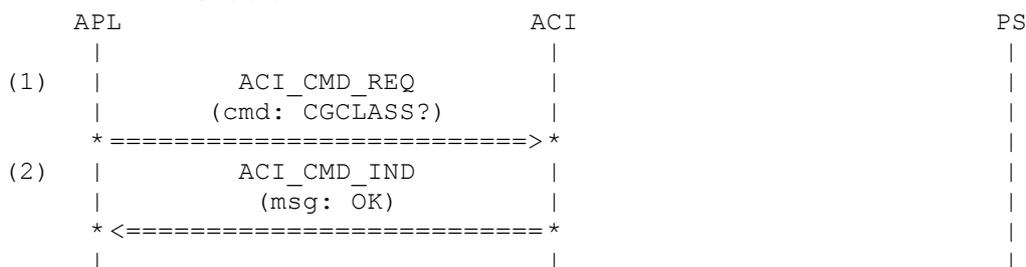
- <A> Test command
- Read the default parameter before attaching.
- <C> Read the class after attaching with the default parameter.
- <D> Read the class after changing to CG.
- <E> Read the class after changing to BG.
- <F> Read the class after impossible changing to A.
- <G> Read the class after changing to C.
- <H> Read the class after changing to CC.

Variants:

<A>....<L>

Preamble:

- <A>GACI002a
- GACI013
- <C>GACI020
- <D>GACI022a
- <E>GACI022b
- <F>GACI023
- <G>GACI022e
- <H>GACI022f
- <I>GACI025a
- <J>GACI025b
- <K>GACI025c
- <L>GACI025d



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGCLASS_T
	cmd_len	LC_CGCLASS_R
<C>	cmd_len	LC_CGCLASS_R
<D>	cmd_len	LC_CGCLASS_R
<E>	cmd_len	LC_CGCLASS_R

<F>	cmd_len	LC_CGCLASS_R
<G>	cmd_len	LC_CGCLASS_R
<H>	cmd_len	LC_CGCLASS_R
<I>	cmd_len	LC_CGCLASS_R
<J>	cmd_len	LC_CGCLASS_R
<K>	cmd_len	LC_CGCLASS_R
<L>	cmd_len	LC_CGCLASS_R
<A>	cmd_seq	C_CGCLASS_T
	cmd_seq	C_CGCLASS_R
<C>	cmd_seq	C_CGCLASS_R
<D>	cmd_seq	C_CGCLASS_R
<E>	cmd_seq	C_CGCLASS_R
<F>	cmd_seq	C_CGCLASS_R
<G>	cmd_seq	C_CGCLASS_R
<H>	cmd_seq	C_CGCLASS_R
<I>	cmd_seq	C_CGCLASS_R
<J>	cmd_seq	C_CGCLASS_R
<K>	cmd_seq	C_CGCLASS_R
<L>	cmd_seq	C_CGCLASS_R

(2) ACI_CMD_IND

<A>	cmd_len	LM_CGCLASS_T
	cmd_len	LM_CGCLASS_RX
<C>	cmd_len	LM_CGCLASS_RX
<D>	cmd_len	LM_CGCLASS_RXX
<E>	cmd_len	LM_CGCLASS_RX
<F>	cmd_len	LM_CGCLASS_RX
<G>	cmd_len	LM_CGCLASS_RXX
<H>	cmd_len	LM_CGCLASS_RXX
<I>	cmd_len	LM_CGCLASS_RX
<J>	cmd_len	LM_CGCLASS_RXX
<K>	cmd_len	LM_CGCLASS_RXX
<L>	cmd_len	LM_CGCLASS_RXX
<A>	cmd_seq	M_CGCLASS_T
	cmd_seq	M_CGCLASS_RB
<C>	cmd_seq	M_CGCLASS_RB
<D>	cmd_seq	M_CGCLASS_RCG
<E>	cmd_seq	M_CGCLASS_RB
<F>	cmd_seq	M_CGCLASS_RB
<G>	cmd_seq	M_CGCLASS_RCG
<H>	cmd_seq	M_CGCLASS_RCC
<I>	cmd_seq	M_CGCLASS_RB
<J>	cmd_seq	M_CGCLASS_RCG
<K>	cmd_seq	M_CGCLASS_RCG
<L>	cmd_seq	M_CGCLASS_RCC

History:

22-02-2001	brz	add 2 Variants
07-08-2000	brz	Initial

4.2.12 GACI037: check attach state

Description:

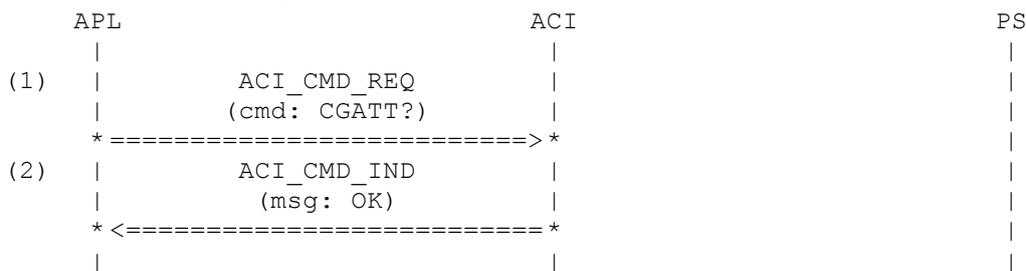
- <A> Read command.
- Read command. The protocol stack is not attached.
- <C> Read command. The protocol stack is attached.
- <D> Read command. The protocol stack is not attached after detach command.

Variants:

<A>....<M>

Preamble:

- <A>GACI002a
- GACI008
- <C>GACI009
- <D>GACI010
- <E>GACI011
- <F>GACI007a
- <G>GACI003a
- <H>GACI012
- <I>GACI030
- <J>GACI007b
- <K>GACI006a
- <L>GACI002c
- <M>GACI002c



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGATT_R
<C>	cmd_len	LC_CGATT_R
<D>	cmd_len	LC_CGATT_R
<E>	cmd_len	LC_CGATT_R
<F>	cmd_len	LC_CGATT_R
<G>	cmd_len	LC_CGATT_R
<H>	cmd_len	LC_CGATT_R
<I>	cmd_len	LC_CGATT_R
<J>	cmd_len	LC_CGATT_R
<K>	cmd_len	LC_CGATT_R
<L>	cmd_len	LC_CGATT_R
<M>	cmd_len	LC_CGATT_R
<A>	cmd_seq	C_CGATT_R
	cmd_seq	C_CGATT_R
<C>	cmd_seq	C_CGATT_R
<D>	cmd_seq	C_CGATT_R
<E>	cmd_seq	C_CGATT_R
<F>	cmd_seq	C_CGATT_R
<G>	cmd_seq	C_CGATT_R
<H>	cmd_seq	C_CGATT_R
<I>	cmd_seq	C_CGATT_R
<J>	cmd_seq	C_CGATT_R
<K>	cmd_seq	C_CGATT_R
<L>	cmd_seq	C_CGATT_R
<M>	cmd_seq	C_CGATT_R
(2) ACI_CMD_IND		
<A>	cmd_len	LM_CGATT_R
	cmd_len	LM_CGATT_R

<C>	cmd_len	LM_CGATT_R
<D>	cmd_len	LM_CGATT_R
<E>	cmd_len	LM_CGATT_R
<F>	cmd_len	LM_CGATT_R
<G>	cmd_len	LM_CGATT_R
<H>	cmd_len	LM_CGATT_R
<I>	cmd_len	LM_CGATT_R
<J>	cmd_len	LM_CGATT_R
<K>	cmd_len	LM_CGATT_R
<L>	cmd_len	LM_CGATT_R
<M>	cmd_len	LM_CGATT_R
<A>	cmd_seq	M_CGATT_R1
	cmd_seq	M_CGATT_R1
<C>	cmd_seq	M_CGATT_R0
<D>	cmd_seq	M_CGATT_R1
<E>	cmd_seq	M_CGATT_R0
<F>	cmd_seq	M_CGATT_R0
<G>	cmd_seq	M_CGATT_R0
<H>	cmd_seq	M_CGATT_R0
<I>	cmd_seq	M_CGATT_R1
<J>	cmd_seq	M_CGATT_R0
<K>	cmd_seq	M_CGATT_R1
<L>	cmd_seq	M_CGATT_R0
<M>	cmd_seq	M_CGATT_R0

(3)

History:

08-07-2001	brz	add new variants
01-03-2001	brz	Initial

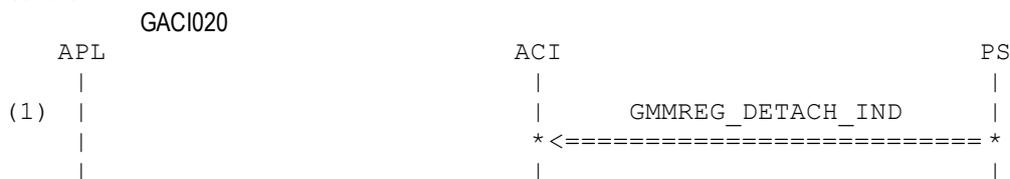
4.3 Communication with GMM over GMMREG

4.3.1 GACI040: Detach indication for GPRS from the network

Description:

Combined detach indication from the network.

Preamble:



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) GMMREG_DETACH_IND	detach_type	GMMREG_DT_COMB
	cause	GMMCS_NET_FAIL
	search_running	
	GMMREG_SEARCH_RUNNING	

History: 13.07.2000 brz Initial

4.3.2 GACI041: Detach indication for GPRS from the network

Description:
 Combined detach indication from the network.

Preamble:
 GACI020

	APL	ACI	PS
(1)		GMMREG_DETACH_IND	
		* <=====*	

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) GMMREG_DETACH_IND	detach_type	GMMREG_DT_COMB
	cause	GMMCS_NET_FAIL
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	

History: 13.07.2000 brz Initial

4.4 PDP context definition

4.4.1 GACI060: One PDP context defined

Description:
 <A> One PDP context will be defined.
 One PDP context will be defined with omitted parameter.
 <C> One PDP context will be defined with a command list.
 <D> One PDP context will be defined with a command list.

Variants:
 <A>....<D>

Preamble:
 <A>GACI020
 GACI020
 <C>GACI020
 <D>GACI060c

	APL	ACI	PS
(1)		ACI_CMD_REQ	
		(cmd: CGDCONT=...)	
		* =====>*	
(2)		ACI_CMD_IND	
		(msg: OK)	
		* <=====*	

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
------------------	------------------	--------------

(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGDCONT_X
	cmd_len	LC_CGDCONT_X_oIAP
<C>	cmd_len	LC_CGDCONT_SPECIAL
<D>	cmd_len	LC_CGDCONT_SPECIAL
<A>	cmd_seq	C_CGDCONT_1
	cmd_seq	C_CGDCONT_1_oIAP
<C>	cmd_seq	C_CGDCONT_SPECIAL
<D>	cmd_seq	C_CGDCONT_SPECIAL
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

01-03-2001	brz	add variants
24-02-2001	brz	add variants
01-08-2000	brz	Initial

4.4.2 GACI061: Too many PDP context definitions

Description:

The last PDP context is too much.

Preamble:

GACI060a

APL	ACI	PS
(1)	ACI_CMD_REQ	
	(cmd: CGDCONT=...)	
	=====>	
(2)	ACI_CMD_IND	
	(msg: OK)	
	<=====	
(3)	ACI_CMD_REQ	
	(cmd: CGDCONT=...)	
	=====>	
(4)	ACI_CMD_IND	
	(msg: OK)	
	<=====	

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDCONT_X
	cmd_seq	C_CGDCONT_2
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDCONT_X
	cmd_seq	C_CGDCONT_3

(4) ACI_CMD_IND

	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 01.08.2000 brz Initial

4.4.3 GACI062: Clear defined PDP context

Description:
 The PDP context 1 will be undefined.

Preamble:

```

GACI060a
      APL                               ACI                               PS
      |                                 |                                 |
(1)  |                                 |                                 |
      |      ACI_CMD_REQ               |                                 |
      |      (cmd: CGDCONT=...)        |                                 |
      | *=====> *                    |                                 |
(2)  |                                 |                                 |
      |      ACI_CMD_IND               |                                 |
      |      (msg: OK)                 |                                 |
      | *<===== *                    |                                 |
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDCONT_CLEAR
	cmd_seq	C_CGDCONT_1_CLEAR
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 01.08.2000 brz Initial

4.4.4 GACI063: One PDP context define

Description:
 <A> One PDP context will be defined after all PDP context undefine.
 A second PDP context will be defined.

Variants:
 <A>....

Preamble:

```

<A>GACI062
<B>GACI063a
      APL                               ACI                               PS
      |                                 |                                 |
(1)  |                                 |                                 |
      |      ACI_CMD_REQ               |                                 |
      |      (cmd: CGDCONT=...)        |                                 |
      | *=====> *                    |                                 |
(2)  |                                 |                                 |
      |      ACI_CMD_IND               |                                 |
      |      (msg: OK)                 |                                 |
      | *<===== *                    |                                 |
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGDCONT_X
	cmd_len	LC_CGDCONT_X
<A>	cmd_seq	C_CGDCONT_1
	cmd_seq	C_CGDCONT_2
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
History:	01.08.2000	brz
		Initial

4.4.5 GACI075: Context status and test commands

Description:

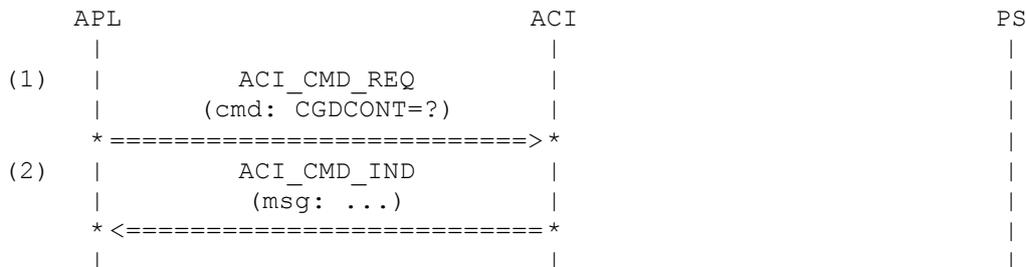
- <A> CGDCONT Test command
- CGDCONT Read command. No PDP context is defined.
- <C> CGDCONT Read parameter from one PDP context.
- <D> CGDCONT Read command after undefined all PDP contexts.
- <E> CGDCONT Read parameter from the new defined PDP context after undefined all contexts.
- <F> CGPADDR Test command without defined contexts
- <G> CGPADDR Test command with one defined context
- <H> CGPADDR Test command with two defined contexts
- <I> CGPADDR Execution command with no defined context
- <J> CGPADDR Execution command on defined context
- <K>
- <L> CGPADDR Execution command with invalid cid

Variants:

<A>...<L>

Preamble:

- <A>GACI002a
- GACI013
- <C>GACI060a
- <D>GACI062
- <E>GACI063a
- <F>GACI020
- <G>GACI060a
- <H>GACI063b
- <I>GACI020
- <J>GACI060a
- <K>GACI060c
- <L>GACI060c



Parametrization:

Primitive	Parameter	Value
-----------	-----------	-------

(1) ACI_CMD_REQ

<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDCONT_T
<C>	cmd_len	LC_CGDCONT_R
<D>	cmd_len	LC_CGDCONT_R
<E>	cmd_len	LC_CGDCONT_R
<F>	cmd_len	LC_CGDCONT_R
<G>	cmd_len	LC_CGPADDR_T
<H>	cmd_len	LC_CGPADDR_T
<I>	cmd_len	LC_CGPADDR_T
<J>	cmd_len	LC_CGPADDR_1
<K>	cmd_len	LC_CGPADDR_1
<L>	cmd_len	LC_CGDCONT_R
<A>	cmd_len	LC_CGPADDR_1
<A>	cmd_seq	C_CGDCONT_T
	cmd_seq	C_CGDCONT_R
<C>	cmd_seq	C_CGDCONT_R
<D>	cmd_seq	C_CGDCONT_R
<E>	cmd_seq	C_CGDCONT_R
<F>	cmd_seq	C_CGDCONT_R
<G>	cmd_seq	C_CGPADDR_T
<H>	cmd_seq	C_CGPADDR_T
<I>	cmd_seq	C_CGPADDR_T
<J>	cmd_seq	C_CGPADDR_1
<K>	cmd_seq	C_CGPADDR_1
<L>	cmd_seq	C_CGDCONT_R
<L>	cmd_seq	C_CGPADDR_100

(2) ACI_CMD_IND

<A>	cmd_len	LM_CGDCONT_T
	cmd_len	LM_OK
<C>	cmd_len	LM_CGDCONT_R1
<D>	cmd_len	LM_OK
<E>	cmd_len	LM_CGDCONT_R1
<F>	cmd_len	LM_CGPADDR_T0
<G>	cmd_len	LM_CGPADDR_T1
<H>	cmd_len	LM_CGPADDR_T12
<I>	cmd_len	LM_CGPADDR_X
<J>	cmd_len	LM_CGPADDR_X
<K>	cmd_len	LM_CGDCONT_SP1
<L>	cmd_len	LM_ERROR
<A>	cmd_seq	M_CGDCONT_T
	cmd_seq	M_OK
<C>	cmd_seq	M_CGDCONT_R1
<D>	cmd_seq	M_OK
<E>	cmd_seq	M_CGDCONT_R1
<F>	cmd_seq	M_CGPADDR_T0
<G>	cmd_seq	M_CGPADDR_T1
<H>	cmd_seq	M_CGPADDR_T12
<I>	cmd_seq	M_CGPADDR_1
<J>	cmd_seq	M_CGPADDR_1
<K>	cmd_seq	M_CGDCONT_SP1
<L>	cmd_seq	M_ERROR

History:

05-10-2001	brz	add a execution command with an invalid cid
12-08-2001	brz	move some variants and delete some unnecessary variants
01-03-2001	brz	add variants
24-02-2001	brz	add CGPADDR commands
07-08-2000	brz	Initial

4.4.6 GACI076: Context status and test commands

Description:

- <A> CGDCONT Read parameter of two PDP contexts.
- CGPADDR Execution command after context activation of defined context

Variants:

<A>....

Preamble:

- <A>GACI063b
- GACI060d

	APL	ACI	PS
(1)	ACI_CMD_REQ		
	(cmd: CGDCONT=?)		
	* =====> *		
(2)	ACI_CMD_IND		
	(msg: ...)		
	* <===== *		
(3)	ACI_CMD_IND		
	(msg: ...)		
	* <===== *		
(4)	ACI_CMD_IND		
	(msg: OK)		
	* <===== *		
MUTE (2000)			

Parametrization:

	Primitive	Parameter	Value
(1)	ACI_CMD_REQ		
	<A>	cmd_src	CMD_SRC_EXT
		cmd_len	LC_CGDCONT_R
	<A>	cmd_seq	C_CGDCONT_R
		cmd_seq	C_CGDCONT_R
(2)	ACI_CMD_IND		
	<A>	cmd_len	LM_CGDCONT_R
		cmd_len	LM_CGDCONT_SP
	<A>	cmd_seq	M_CGDCONT_R1
		cmd_seq	M_CGDCONT_SP1
(3)	ACI_CMD_IND		
	<A>	cmd_len	LM_CGDCONT_R
		cmd_len	LM_CGDCONT_SP
	<A>	cmd_seq	M_CGDCONT_R2
		cmd_seq	M_CGDCONT_SP2
(4)	ACI_CMD_IND		
		cmd_len	LM_OK
		cmd_seq	M_OK

History:

12-08-2001 brz Initial

4.4.7 GACI077: Context status and test commands

Description:

<A> CGPADDR Execution command with requested context 1,2
 CGPADDR Execution command without requested context

Variants:

<A>....

Preamble:

<A>GACI063b
 GACI063b

APL	ACI	PS
(1)		
	ACI_CMD_REQ	
	(cmd: CGPADDR=)	
	=====>	
(2)		
	ACI_CMD_IND	
	(msg: ...)	
	<=====	
(3)		
	ACI_CMD_IND	
	(msg: ...)	
	<=====	
(4)		
	ACI_CMD_IND	
	(msg: OK)	
	<=====	
MUTE (2000)		

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGPADDR_2
<A>	cmd_seq	C_CGPADDR_2
	cmd_seq	C_CGPADDR_
(2) ACI_CMD_IND		
	cmd_len	LM_CGPADDR_X
	cmd_seq	M_CGPADDR_1
(3) ACI_CMD_IND		
	cmd_len	LM_CGPADDR_X
	cmd_seq	M_CGPADDR_2
(4) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 24-02-2001 brz Initial

4.5 PDP context modification

4.5.1 GACI080: Set quality of service profile (requested)

Description:

<A> The profile will be set for the first defined PDP context.
 The profile will be set for the first defined PDP context after all contexts become un-defined.

Variants:

<A>...

Preamble:

<A>GACI060a
 GACI063b

	APL		ACI		PS
(1)		ACI_CMD_REQ			
		(cmd: CGQREQ=1, 1, 2, 3, 4, 5)			
		* =====> *			
(2)		ACI_CMD_IND			
		(msg: OK)			
		* <===== *			

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGQREQ_X
	cmd_seq	C_CGQREQ_1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 01.08.2000 brz Initial

4.5.2 GACI081: Set quality of service profile (minimum acceptable)

Description:

<A> The profile will be set for the first defined PDP context.
 The profile will be set for the first defined PDP context after all contexts become un-defined.

Variants:

<A>...

Preamble:

```

    <A>GACI080a
    <B>GACI080b

    APL                               ACI                               PS
    |                                 |                                 |
(1) |           ACI_CMD_REQ           |                                 |
    | (cmd: CGQMIN=1,5,4,3,2,1)      |                                 |
    | * =====> *                    |                                 |
(2) |           ACI_CMD_IND           |                                 |
    | (msg: OK)                       |                                 |
    | * <===== *                      |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGQMIN_X
	cmd_seq	C_CGQMIN_2
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 01.08.2000 brz Initial

4.5.3 GACI082: Set quality of service profile to undefined

Description:

- <A> – for the requested QOS profile.
- – for the minimum acceptable QOS profile.

Variants:

<A>....

Preamble:

```

    GACI081a

    APL                               ACI                               PS
    |                                 |                                 |
(1) |           ACI_CMD_REQ           |                                 |
    | (cmd: CGQREQ=1)                |                                 |
    | * =====> *                    |                                 |
(2) |           ACI_CMD_IND           |                                 |
    | (msg: OK)                       |                                 |
    | * <===== *                      |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	<A>	LC_CGQREQ_0
		LC_CGQMIN_0
	<A>	C_CGQREQ_0
		C_CGQMIN_0
	cmd_seq	

History: 11.12.2000 brz Initial

4.5.5 GACI095: Quality of service status and test commands

Description:

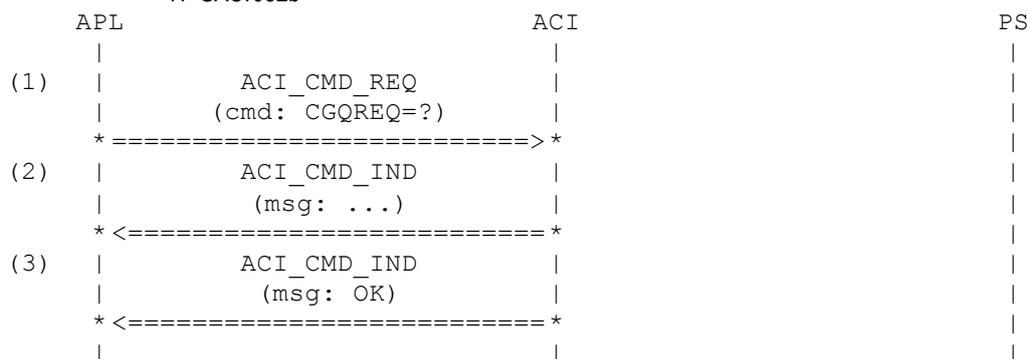
- <A> Test command of requested QOS.
- Test command of minimum acceptable QOS.
- <C> Read the default parameter if one PDP context is defined (requested QOS).
- <D> Read the default parameter if one PDP context is defined (minimum acceptable QOS).
- <E> Read the parameter if a QOS is set (requested QOS).
- <F> Read the parameter if a QOS is set (minimum acceptable QOS).
- <G> Read parameter after set QOS to undefined (requested QOS).
- <H> Read parameter after set QOS to undefined (minimum acceptable QOS).

Variants:

<A>....<H>

Preamble:

- <A>GACI002A
- GACI002A
- <C>GACI060a
- <D>GACI060a
- <E>GACI080a
- <F>GACI081a
- <G>GACI082a
- <H>GACI082b



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGQREQ_T
	cmd_len	LC_CGQMIN_T
<C>	cmd_len	LC_CGQREQ_R
<D>	cmd_len	LC_CGQMIN_R
<E>	cmd_len	LC_CGQREQ_R
<F>	cmd_len	LC_CGQMIN_R
<G>	cmd_len	LC_CGQREQ_R
<H>	cmd_len	LC_CGQMIN_R
<A>	cmd_seq	C_CGQREQ_T
	cmd_seq	C_CGQMIN_T
<C>	cmd_seq	C_CGQREQ_R
<D>	cmd_seq	C_CGQMIN_R
<E>	cmd_seq	C_CGQREQ_R
<F>	cmd_seq	C_CGQMIN_R

<G>	cmd_seq	C_CGQREQ_R
<H>	cmd_seq	C_CGQMIN_R
(2) ACI_CMD_IND		
<A>	cmd_len	LM_CGQREQ_T
	cmd_len	LM_CGQMIN_T
<C>	cmd_len	LM_CGQREQ_RX
<D>	cmd_len	LM_CGQMIN_RX
<E>	cmd_len	LM_CGQREQ_RX
<F>	cmd_len	LM_CGQMIN_RX
<G>	cmd_len	LM_CGQREQ_RX
<H>	cmd_len	LM_CGQMIN_RX
<A>	cmd_seq	M_CGQREQ_T
	cmd_seq	M_CGQMIN_T
<C>	cmd_seq	M_CGQREQ_R0
<D>	cmd_seq	M_CGQMIN_R0
<E>	cmd_seq	M_CGQREQ_R1
<F>	cmd_seq	M_CGQMIN_R2
<G>	cmd_seq	M_CGQREQ_R0
<H>	cmd_seq	M_CGQMIN_R0
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

12-08-2001	brz	move variants to gaci076 and delete some unnecessary variants
07-08-2000	brz	Initial

GACI096: Quality of service status commands

Description:

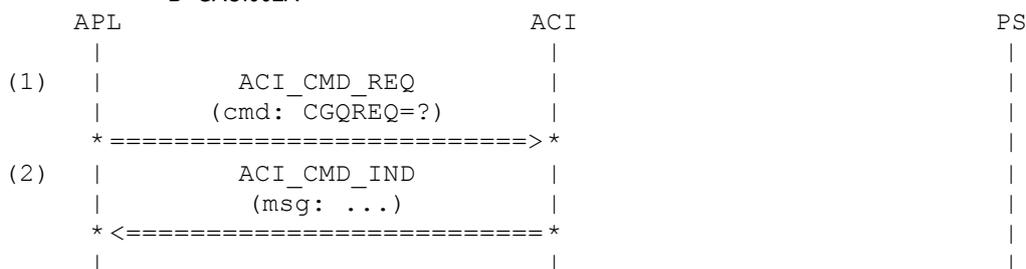
<A> No PDP context is defined (requested QOS).
 No PDP context is defined (minimum acceptable QOS).

Variants:

<A>...

Preamble:

<A>GACI002A
 GACI002A



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGQREQ_R
<A>	cmd_len	LC_CGQMIN_R
<A>	cmd_seq	C_CGQREQ_R
	cmd_seq	C_CGQMIN_R

(2) ACI_CMD_IND		
<A>	cmd_len	LM_OK
	cmd_len	LM_OK
<A>	cmd_seq	M_OK
	cmd_seq	M_OK

History: 12.08.2001 brz Initial

4.5.6 GACI097: Quality of service status and test commands

Description:

- <A> Read parameter if two PDP contexts are defined (requested QOS).
- Read parameter if two PDP contexts are defined (minimum acceptable QOS).

Variants:

<A>....

Preamble:

- <A>GACI080b
- GACI081b

	APL		ACI		PS
(1)		ACI_CMD_REQ			
		(cmd: CGQREQ=?)			
		* =====>			
(2)		ACI_CMD_IND			
		(msg: ...)			
		* <=====*			
(3)		ACI_CMD_IND			
		(msg: ...)			
		* <=====*			
(4)		ACI_CMD_IND			
		(msg: OK)			
		* <=====*			

Parametrization:

	Primitive	Parameter	Value
(1)	ACI_CMD_REQ		
	<A>	cmd_src	CMD_SRC_EXT
		cmd_len	LC_CGQREQ_R
	<A>	cmd_seq	C_CGQREQ_R
		cmd_seq	C_CGQMIN_R
(2)	ACI_CMD_IND		
	<A>	cmd_len	LM_CGQREQ_RX
		cmd_len	LM_CGQMIN_RX
	<A>	cmd_seq	M_CGQREQ_R1
		cmd_seq	M_CGQMIN_R2
(3)	ACI_CMD_IND		
	<A>	cmd_len	LM_CGQREQ_RX
		cmd_len	LM_CGQMIN_RX
	<A>	cmd_seq	M_CGQREQ_R3
		cmd_seq	M_CGQMIN_R3
(4)	ACI_CMD_IND		
		cmd_len	LM_OK
		cmd_seq	M_OK

History: 12.08.2001 brz Initial

4.6 PDP context activation

4.6.1 GACI100: One PDP context activated

Description:

- <A> No PDP context is defined.
- One PDP context is defined and will be activated.
- <C> One PDP context is defined and will be activated. The requested quality of service profile is set.
- <D> One PDP context is defined and will be activated. Both quality of service profiles are set.
- <E> One PDP context is defined and will be activated. The minimum acceptable QOS profile is set and the requested quality of service profile is undefined.
- <F> With +ATD and no PDP context is defined.
- <G> With +ATD and no PDP context is defined.
- <H> With +ATD and no PDP context is defined.
- <I> With +ATD and no PDP context is defined.
- <J> With +ATD and another PDP context is defined.
- <K> PCO from network with DNS1, DNS2 and gateway.
- <L> PCO from network with DNS1, DNS2 and gateway.

Variants:

<A>...<L>

Preamble:

<A>GACI020
GACI060a
<C>GACI080a
<D>GACI081a
<E>GACI082a
<F>GACI020
<G>GACI020
<H>GACI020
<I>GACI020
<J>GACI060a
<K>GACI020
<L>GACI020

APL	ACI	PS
(1)	ACI_CMD_REQ	
	(cmd: AT&D2)	
	* =====> *	
(2)	ACI_CMD_IND	
	(msg: OK)	
	* <===== *	
(3)	ACI_CMD_REQ	
	(cmd: CGDATA="PPP",1)	
	* =====> *	
(4)	ACI_CMD_IND	
	(msg: CONNECT)	
	* <===== *	
(5)	DTI2_DISCONNECT_REQ	
	* =====> *	
(6)	UART_DTI_IND	
	(UART_DISCONNECT_DTI)	
	* <===== *	
(7)	UART_DTI_REQ	
	* =====> *	
(8)	UART_DTI_CNF	
	* <===== *	
(9)	PPP_ESTABLISH_REQ	
	* =====> *	
(10)	PPP_DTI_CONNECTED_IND	
	* <===== *	
(11)	PPP_PDP_ACTIVATE_IND	
	* <===== *	
(12)	SMREG_PDP_ACTIVATE_REQ	
	* =====> *	
(13)	PPP_DTI_CONNECTED_IND	
	* <===== *	
(14)	SMREG_PDP_ACTIVATE_CNF	
	* <===== *	
(15)	PPP_PDP_ACTIVATE_RES	
	* =====> *	
(16)	PPP_ESTABLISH_CNF	
	* <===== *	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_AND_D2
	cmd_seq	C_AND_D2
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	<A>	LC_CGDATA_PX
		LC_CGDATA_PX
	<C>	LC_CGDATA_PX
	<D>	LC_CGDATA_PX

<E>	cmd_len	LC_CGDATA_PX
<F>	cmd_len	LC_GD_0
<G>	cmd_len	LC_GD_1
<H>	cmd_len	LC_GD_2
<I>	cmd_len	LC_GD_3
<J>	cmd_len	LC_GD_2
<K>	cmd_len	LC_CGDATA_PX
<L>	cmd_len	LC_CGDATA_PX
<A>	cmd_seq	C_CGDATA_P1
	cmd_seq	C_CGDATA_P1
<C>	cmd_seq	C_CGDATA_P1
<D>	cmd_seq	C_CGDATA_P1
<E>	cmd_seq	C_CGDATA_P1
<F>	cmd_seq	C_GD_0
<G>	cmd_seq	C_GD_1
<H>	cmd_seq	C_GD_2
<I>	cmd_seq	C_GD_3
<J>	cmd_seq	C_GD_2
<K>	cmd_seq	C_CGDATA_P1
<L>	cmd_seq	C_CGDATA_P1
(4) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(5) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(6) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(7) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(8) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(9) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL

	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(10) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(11) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(12) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
<A>	smreg_qos	SMREG_QOS_0
	smreg_qos	SMREG_QOS_0
<C>	smreg_qos	SMREG_QOS_1
<D>	smreg_qos	SMREG_QOS_1
<E>	smreg_qos	SMREG_QOS_0
<F>	smreg_qos	SMREG_QOS_0
<G>	smreg_qos	SMREG_QOS_0
<H>	smreg_qos	SMREG_QOS_0
<I>	smreg_qos	SMREG_QOS_0
<J>	smreg_qos	SMREG_QOS_0
<K>	smreg_qos	SMREG_QOS_0
<L>	smreg_qos	SMREG_QOS_0
<A>	smreg_min_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
<C>	smreg_min_qos	SMREG_QOS_0
<D>	smreg_min_qos	SMREG_QOS_2
<E>	smreg_min_qos	SMREG_QOS_2
<F>	smreg_min_qos	SMREG_QOS_0
<G>	smreg_min_qos	SMREG_QOS_0
<H>	smreg_min_qos	SMREG_QOS_0
<I>	smreg_min_qos	SMREG_QOS_0
<J>	smreg_min_qos	SMREG_QOS_0
<K>	smreg_min_qos	SMREG_QOS_0
<L>	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
<A>	pdp_address	PDP_ADDRESS_0_S
	pdp_address	PDP_ADDRESS_1
<C>	pdp_address	PDP_ADDRESS_1
<D>	pdp_address	PDP_ADDRESS_1
<E>	pdp_address	PDP_ADDRESS_1
<F>	pdp_address	PDP_ADDRESS_0_S
<G>	pdp_address	PDP_ADDRESS_0_S
<H>	pdp_address	PDP_ADDRESS_0_S
<I>	pdp_address	PDP_ADDRESS_0_S
<J>	pdp_address	PDP_ADDRESS_1
<K>	pdp_address	PDP_ADDRESS_0_S
<L>	pdp_address	PDP_ADDRESS_0_S

<A>	smreg_apn	SMREG_APN_0_S
	smreg_apn	SMREG_APN_1
<C>	smreg_apn	SMREG_APN_1
<D>	smreg_apn	SMREG_APN_1
<E>	smreg_apn	SMREG_APN_1
<F>	smreg_apn	SMREG_APN_0_S
<G>	smreg_apn	SMREG_APN_0_S
<H>	smreg_apn	SMREG_APN_0_S
<I>	smreg_apn	SMREG_APN_0_S
<J>	smreg_apn	SMREG_APN_1
<K>	smreg_apn	SMREG_APN_0_S
<L>	smreg_apn	SMREG_APN_0_S
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(13) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PEER
(14) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
<A>	smreg_qos	SMREG_QOS_1
	smreg_qos	SMREG_QOS_1
<C>	smreg_qos	SMREG_QOS_2
<D>	smreg_qos	SMREG_QOS_2
<E>	smreg_qos	SMREG_QOS_1
<F>	smreg_qos	SMREG_QOS_1
<G>	smreg_qos	SMREG_QOS_1
<H>	smreg_qos	SMREG_QOS_1
<I>	smreg_qos	SMREG_QOS_1
<J>	smreg_qos	SMREG_QOS_1
<K>	smreg_qos	SMREG_QOS_1
<L>	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
<A>	sdu	SDU_2
	sdu	SDU_2
<C>	sdu	SDU_2
<D>	sdu	SDU_2
<E>	sdu	SDU_2
<F>	sdu	SDU_2
<G>	sdu	SDU_2
<H>	sdu	SDU_2
<I>	sdu	SDU_2
<J>	sdu	SDU_2
<K>	sdu	SDU_NET_DNS_1
<L>	sdu	SDU_NET_GATEW_2
(15) PPP_PDP_ACTIVATE_RES		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
<A>	sdu	SDU_2
	sdu	SDU_2

<C>	sdu	SDU_2
<D>	sdu	SDU_2
<E>	sdu	SDU_2
<F>	sdu	SDU_2
<G>	sdu	SDU_2
<H>	sdu	SDU_2
<I>	sdu	SDU_2
<J>	sdu	SDU_2
<K>	sdu	SDU_NET_DNS_1
<L>	sdu	SDU_NET_GATEW_2
(16) PPP_ESTABLISH_CNF		
	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	UNUSED_IN_TESTCASE
	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE

History:

11-12-2002	rm	add variants K/L for query network pco
30-07-2001	brz	changes for MULTI INSTANCE ACI
11-01-2001	brz	add more ATD commands
27-12-2000	brz	add ATD command
05-10-2000	brz	add UART entity
20-08-2000	brz	activation without context definition
06-08-2000	brz	add different quality of service
01-08-2000	brz	Initial

4.6.2 GACI101: One failed PDP context activated by PPP

Description:

The establishment of PPP fails in step one.

Preamble:

```

GACI060a
APL          ACI          PS
(1) |          ACI_CMD_REQ |          |
    | (cmd: CGDATA="PPP",1) |          |
    | *=====> *          |
(2) |          ACI_CMD_IND |          |
    | (msg: CONNECT)      |          |
    | *<===== *          |
(3) |          DTI2_DISCONNECT_REQ |          |
    | *=====> *          |
(4) |          UART_DTI_IND |          |
    | (UART_DISCONNECT_DTI) |          |
    | *<===== *          |
(5) |          UART_DTI_REQ |          |
    | *=====> *          |
(6) |          UART_DTI_CNF |          |
    | *<===== *          |
(7) |          PPP_ESTABLISH_REQ |          |
    | *=====> *          |
MUTE (2000)
(8) |          PPP_TERMINATE_IND |          |
    | *<===== *          |
(9) |          UART_DTI_IND |          |
    | (UART_DISCONNECT_DTI) |          |
    | *<===== *          |
(10) |          DTI2_CONNECT_REQ |          |
    | *=====> *          |
(11) |          UART_DTI_REQ |          |
    | *=====> *          |
(12) |          DTI2_CONNECT_CNF |          |
    | *<===== *          |
(13) |          UART_DTI_CNF |          |
    | *<===== *          |
(14) |          ACI_CMD_IND |          |
    | (msg: NO CARRIER)   |          |
    | *<===== *          |
MUTE (2000)
    |          |          |
    
```

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
------------------	------------------	--------------

(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_CGDATA_PX C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(4) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(6) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode mru ap login accm rt mc mt mf ppp_hc ip dns1 dns2 peer_channel protoco_channel peer_direction prot_direction peer_link_id prot_link_id	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED PPP_ACCM_OFF PPP_RT_DEFAULT PPP_MC_DEFAULT PPP_MT_DEFAULT PPP_MF_DEFAULT NOT_USED NOT_USED NOT_USED NOT_USED UART_CHANNEL SNDTCP_CHANNEL PEER_DIRECTION PROT_DIRECTION UART_DTI_ID SNDTCP_DTI_ID
(8) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_NO_RESPONSE
(9) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(10) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10

(11) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(12) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(13) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(14) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.3 GACI102: One failed PDP context activated by SM

Description:

SM can't activate a context.

Preamble:

```

GACI060a
APL                               ACI                               PS
|                                 |                                 |
(1) |          ACI_CMD_REQ         |                                 |
    | (cmd: CGDATA="PPP", 1)      |                                 |
    * =====> *                 |                                 |
(2) |          ACI_CMD_IND         |                                 |
    | (msg: CONNECT)              |                                 |
    * <===== *                   |                                 |
(3) |                                 |          DTI2_DISCONNECT_REQ    |
    |                                 | * =====> *                 |
(4) |                                 |          UART_DTI_IND          |
    |                                 | (UART_DISCONNECT_DTI)         |
    |                                 | * <===== *                   |
(5) |                                 |          UART_DTI_REQ          |
    |                                 | * =====> *                 |
(6) |                                 |          UART_DTI_CNF         |
    |                                 | * <===== *                   |
(7) |                                 |          PPP_ESTABLISH_REQ    |
    |                                 | * =====> *                 |
(8) |                                 |          PPP_DTI_CONNECTED_IND |
    |                                 | * <===== *                   |
(9) |                                 |          PPP_PDP_ACTIVATE_IND |
    |                                 | * <===== *                   |
(10) |                                 |          SMREG_PDP_ACTIVATE_REQ |
    |                                 | * =====> *                 |
(11) |                                 |          SMREG_PDP_ACTIVATE_REJ |
    |                                 | * <===== *                   |
(12) |                                 |          PPP_PDP_ACTIVATE_REJ |
    |                                 | * =====> *                 |
MUTE (2000)
(13) |                                 |          PPP_TERMINATE_IND    |
    |                                 | * <===== *                   |
(14) |                                 |          UART_DTI_IND          |
    |                                 | (UART_DISCONNECT_DTI)         |
    |                                 | * <===== *                   |
(15) |                                 |          DTI2_CONNECT_REQ     |
    |                                 | * =====> *                 |
(16) |                                 |          UART_DTI_REQ          |
    |                                 | * =====> *                 |
(17) |                                 |          DTI2_CONNECT_CNF     |
    |                                 | * <===== *                   |
(18) |                                 |          UART_DTI_CNF         |
    |                                 | * <===== *                   |
(19) |          ACI_CMD_IND         |                                 |
    | (msg: NO CARRIER)          |                                 |
    * <===== *                   |                                 |
MUTE (2000)
|                                 |                                 |

```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
peer_link_id	UART_DTI_ID	
prot_link_id	SNDCP_DTI_ID	
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU

(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SDCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) SMREG_PDP_ACTIVATE_REJ	smreg_cause SMREG_RC_NETWORK_FAILURE smreg_nsapi	SMREG_NSAPI_5
(12) PPP_PDP_ACTIVATE_REJ	ppp_cause SMREG_RC_NETWORK_FAILURE	
(13) PPP_TERMINATE_IND	ppp_cause SMREG_RC_NETWORK_FAILURE	
(14) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLICI
(15) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(16) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLICI NUM_0 UART_DTI_ID STRING_POINTER
(17) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(18) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLICI
(19) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.4 GACI103: One failed PDP context activated by PPP

Description:

The establishment of PPP fails in step two.

Preamble:

GACI060a

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)	
	=====>	
(2)	ACI_CMD_IND (msg: CONNECT)	
	<=====	
(3)	DTI2_DISCONNECT_REQ	
	=====>	
(4)	UART_DTI_IND (UART_DISCONNECT_DTI)	
	<=====	
(5)	UART_DTI_REQ	
	=====>	
(6)	UART_DTI_CNF	
	<=====	
(7)	PPP_ESTABLISH_REQ	
	=====>	
(8)	PPP_DTI_CONNECTED_IND	
	<=====	
(9)	PPP_PDP_ACTIVATE_IND	
	<=====	
(10)	SMREG_PDP_ACTIVATE_REQ	
	=====>	
(11)	PPP_DTI_CONNECTED_IND	
	<=====	
(12)	SMREG_PDP_ACTIVATE_CNF	
	<=====	
(13)	PPP_PDP_ACTIVATE_RES	
	=====>	
(14)	PPP_TERMINATE_IND	
	<=====	
(15)	SMREG_PDP_DEACTIVATE_REQ	
	=====>	
(16)	UART_DTI_IND (UART_DISCONNECT_DTI)	
	<=====	
(17)	SMREG_PDP_DEACTIVATE_CNF	
	<=====	
(18)	DTI2_CONNECT_REQ	
	=====>	
(19)	UART_DTI_REQ	
	=====>	
(20)	DTI2_CONNECT_CNF	
	<=====	
(21)	UART_DTI_CNF	
	<=====	

```
(22) |          ACI_CMD_IND          |          |
      |      (msg: NO CARRIER)    |          |
      | * <===== *              |          |
MUTE (2000) |          |          |
          |          |          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	DTI_CAUSE_NORMAL_CLOSE
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
peer_link_id	UART_DTI_ID	
prot_link_id	SNDCP_DTI_ID	

(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(12) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(13) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(14) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_NO_RESPONSE
(15) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(16) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCCI
(17) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5

(18) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(19) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(20) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(21) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(22) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.5 GACI104: One failed PDP context activated by PPP

Description:

The establishment of PPP fails in step two and SM deactivated the context after activation.

Preamble:

GACI060a

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)	
	=====>	
(2)	ACI_CMD_IND (msg: CONNECT)	
	<=====	
(3)		DTI2_DISCONNECT_REQ
		=====>
(4)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(5)		UART_DTI_REQ
		=====>
(6)		UART_DTI_CNF
		<=====
(7)		PPP_ESTABLISH_REQ
		=====>
(8)		PPP_DTI_CONNECTED_IND
		<=====
(9)		PPP_PDP_ACTIVATE_IND
		<=====
(10)		SMREG_PDP_ACTIVATE_REQ
		=====>
(11)		PPP_DTI_CONNECTED_IND
		<=====
(12)		SMREG_PDP_ACTIVATE_CNF
		<=====
(13)		PPP_PDP_ACTIVATE_RES
		=====>
(14)		PPP_TERMINATE_IND
		<=====
(15)		SMREG_PDP_DEACTIVATE_REQ
		=====>
(16)		SMREG_PDP_DEACTIVATE_IND
		<=====
(17)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(18)		DTI2_CONNECT_REQ
		=====>
(19)		UART_DTI_REQ
		=====>
(20)		DTI2_CONNECT_CNF
		<=====

(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(12) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(13) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(14) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_NO_RESPONSE
(15) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(16) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(17) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI

(18) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(19) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(20) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(21) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(22) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.6 GACI105: One failed PDP context activated by PPP

Description:

PPP terminated during the context activation of SM.

Preamble:

```

GACI060a
APL                               ACI                               PS
|                                 |                                 |
(1) |          ACI_CMD_REQ         |                                 |
    | (cmd: CGDATA="PPP", 1)     |                                 |
    * =====> *                 |                                 |
(2) |          ACI_CMD_IND         |                                 |
    | (msg: CONNECT)             |                                 |
    * <===== *                 |                                 |
(3) |                                 |          DTI2_DISCONNECT_REQ   |
    |                                 | * =====> *                 |
(4) |                                 |          UART_DTI_IND         |
    |                                 | (UART_DISCONNECT_DTI)       |
    |                                 | * <===== *                 |
(5) |                                 |          UART_DTI_REQ        |
    |                                 | * =====> *                 |
(6) |                                 |          UART_DTI_CNF       |
    |                                 | * <===== *                 |
(7) |                                 |          PPP_ESTABLISH_REQ  |
    |                                 | * =====> *                 |
(8) |                                 |          PPP_DTI_CONNECTED_IND
    |                                 | * <===== *                 |
(9) |                                 |          PPP_PDP_ACTIVATE_IND
    |                                 | * <===== *                 |
(10) |                                |          SMREG_PDP_ACTIVATE_REQ
    |                                | * =====> *                 |
(11) |                                |          PPP_TERMINATE_IND
    |                                | * <===== *                 |
(12) |                                |          SMREG_PDP_DEACTIVATE_REQ
    |                                | * =====> *                 |
(13) |                                |          UART_DTI_IND         |
    |                                | (UART_DISCONNECT_DTI)       |
    |                                | * <===== *                 |
(14) |                                |          SMREG_PDP_DEACTIVATE_CNF
    |                                | * <===== *                 |
(15) |                                |          DTI2_CONNECT_REQ    |
    |                                | * =====> *                 |
(16) |                                |          UART_DTI_REQ        |
    |                                | * =====> *                 |
(17) |                                |          DTI2_CONNECT_CNF   |
    |                                | * <===== *                 |
(18) |                                |          UART_DTI_CNF       |
    |                                | * <===== *                 |
(19) |          ACI_CMD_IND         |                                 |
    | (msg: NO CARRIER)         |                                 |
    * <===== *                 |                                 |
MUTE (2000)                       |                                 |
|                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	DTI_CAUSE_NORMAL_CLOSE
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDPCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
peer_link_id	UART_DTI_ID	
prot_link_id	SNDPCP_DTI_ID	
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU

(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SDCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) PPP_TERMINATE_IND	ppp_cause PPP_TERM_PROT_REJ_UNEXPECTED	
(12) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(13) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(14) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(15) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(16) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(17) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(18) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(19) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.7 GACI106: One failed PDP context activated by PPP

Description:

PPP terminated after context activation of SM, but before the confirm primitive is received.

Preamble:

GACI060a

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)	
	=====>	
(2)	ACI_CMD_IND (msg: CONNECT)	
	<=====	
(3)		DTI2_DISCONNECT_REQ
		=====>
(4)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(5)		UART_DTI_REQ
		=====>
(6)		UART_DTI_CNF
		<=====
(7)		PPP_ESTABLISH_REQ
		=====>
(8)		PPP_DTI_CONNECTED_IND
		<=====
(9)		PPP_PDP_ACTIVATE_IND
		<=====
(10)		SMREG_PDP_ACTIVATE_REQ
		=====>
(11)		PPP_TERMINATE_IND
		<=====
(12)		SMREG_PDP_DEACTIVATE_REQ
		=====>
(13)		SMREG_PDP_ACTIVATE_CNF
		<=====
(14)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(15)		SMREG_PDP_DEACTIVATE_CNF
		<=====
(16)		DTI2_CONNECT_REQ
		=====>
(17)		UART_DTI_REQ
		=====>
(18)		DTI2_CONNECT_CNF
		<=====
(19)		UART_DTI_CNF
		<=====
(20)	ACI_CMD_IND (msg: NO CARRIER)	
	<=====	

MUTE (2000)

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	DTI_CAUSE_NORMAL_CLOSE
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDTCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
peer_link_id	UART_DTI_ID	
prot_link_id	SNDTCP_DTI_ID	
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
	ppp_hc	PPP_HC_VJ

	msid	MSID_NO
	sdu	SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDTCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(11) PPP_TERMINATE_IND	ppp_cause	
	PPP_TERM_PROT_REJ_UNEXPECTED	
(12) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(13) SMREG_PDP_ACTIVATE_CNF	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(14) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(15) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(16) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(17) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER

(18) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(19) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(20) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.8 GACI107: One failed PDP context activated by PPP and SM

Description:

PPP terminated after a failed context activation of SM, but before the reject primitive is received.

Preamble:

GACI060a

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)	
	=====>	
(2)	ACI_CMD_IND (msg: CONNECT)	
	<=====	
(3)		DTI2_DISCONNECT_REQ
		=====>
(4)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(5)		UART_DTI_REQ
		=====>
(6)		UART_DTI_CNF
		<=====
(7)		PPP_ESTABLISH_REQ
		=====>
(8)		PPP_DTI_CONNECTED_IND
		<=====
(9)		PPP_PDP_ACTIVATE_IND
		<=====
(10)		SMREG_PDP_ACTIVATE_REQ
		=====>
(11)		PPP_TERMINATE_IND
		<=====
(12)		SMREG_PDP_DEACTIVATE_REQ
		=====>
(13)		SMREG_PDP_ACTIVATE_REJ
		<=====
MUTE (2000)		
(14)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(15)		DTI2_CONNECT_REQ
		=====>
(16)		UART_DTI_REQ
		=====>
(17)		DTI2_CONNECT_CNF
		<=====
(18)		UART_DTI_CNF
		<=====
(19)	ACI_CMD_IND (msg: NO CARRIER)	
	<=====	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDPCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
peer_link_id	UART_DTI_ID	
prot_link_id	SNDPCP_DTI_ID	
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc	PPP_HC_VJ

	msid	MSID_NO
	sdu	SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDTCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(11) PPP_TERMINATE_IND	ppp_cause	
	PPP_TERM_PROT_REJ_UNEXPECTED	
(12) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(13) SMREG_PDP_ACTIVATE_REJ	smreg_cause	
	SMREG_RC_NETWORK_FAILURE	
	smreg_nsapi	SMREG_NSAPI_5
(14) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(15) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(16) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(17) DTI2_CONNECT_CNF	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(18) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI

(19) ACI_CMD_IND

cmd_len
cmd_seq

LM_NO_CARRIER
M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.9 GACI108: One failed PDP context activated by SM

Description:

SM deactivated the context during the step two of establishment of PPP.

Preamble:

```

GACI060a
APL                               ACI                               PS
|                                 |                                 |
(1) |          ACI_CMD_REQ         |                                 |
    | (cmd: CGDATA="PPP", 1)     |                                 |
    *=====>*                   |                                 |
(2) |          ACI_CMD_IND         |                                 |
    | (msg: CONNECT)            |                                 |
    *<=====*                    |                                 |
(3) |                                 |          DTI2_DISCONNECT_REQ    |
    |                                 | *=====>*                   |
(4) |                                 |          UART_DTI_IND          |
    |                                 | (UART_DISCONNECT_DTI)        |
    |                                 | *<=====*                    |
(5) |                                 |          UART_DTI_REQ         |
    |                                 | *=====>*                   |
(6) |                                 |          UART_DTI_CNF        |
    |                                 | *<=====*                    |
(7) |                                 |          PPP_ESTABLISH_REQ   |
    |                                 | *=====>*                   |
(8) |                                 |          PPP_DTI_CONNECTED_IND |
    |                                 | *<=====*                    |
(9) |                                 |          PPP_PDP_ACTIVATE_IND |
    |                                 | *<=====*                    |
(10) |                                |          SMREG_PDP_ACTIVATE_REQ |
    |                                | *=====>*                   |
(11) |                                |          PPP_DTI_CONNECTED_IND |
    |                                | *<=====*                    |
(12) |                                |          SMREG_PDP_ACTIVATE_CNF |
    |                                | *<=====*                    |
(13) |                                |          PPP_PDP_ACTIVATE_RES  |
    |                                | *=====>*                   |
(14) |                                |          SMREG_PDP_DEACTIVATE_IND |
    |                                | *<=====*                    |
(15) |                                |          PPP_TERMINATE_REQ    |
    |                                | *=====>*                   |
MUTE (2000)
(16) |                                |          PPP_TERMINATE_IND    |
    |                                | *<=====*                    |
(17) |                                |          UART_DTI_IND          |
    |                                | (UART_DISCONNECT_DTI)        |
    |                                | *<=====*                    |
(18) |                                |          DTI2_CONNECT_REQ     |
    |                                | *=====>*                   |
(19) |                                |          UART_DTI_REQ         |
    |                                | *=====>*                   |
(20) |                                |          DTI2_CONNECT_CNF     |
    |                                | *<=====*                    |
    
```


(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(12) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(13) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(14) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(15) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(16) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(17) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI

(18) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(19) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(20) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(21) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(22) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.10 GACI109: One failed PDP context activated by SM

Description:

SM deactivated the context after the step two of establishment of PPP, but before the confirm primitive is received.

Preamble:

```

GACI060a
APL                                ACI                                PS
|                                  |                                  |
(1) |          ACI_CMD_REQ          |                                  |
    | (cmd: CGDATA="PPP", 1)      |                                  |
    *=====>*                    |                                  |
(2) |          ACI_CMD_IND          |                                  |
    | (msg: CONNECT)              |                                  |
    *<=====*                     |                                  |
(3) |                                  |          DTI2_DISCONNECT_REQ    |
    |                                  |          *=====>*                |
(4) |                                  |          UART_DTI_IND          |
    |                                  |          (UART_DISCONNECT_DTI) |
    |                                  |          *<=====*                |
(5) |                                  |          UART_DTI_REQ          |
    |                                  |          *=====>*                |
(6) |                                  |          UART_DTI_CNF          |
    |                                  |          *<=====*                |
(7) |                                  |          PPP_ESTABLISH_REQ    |
    |                                  |          *=====>*                |
(8) |                                  |          PPP_DTI_CONNECTED_IND |
    |                                  |          *<=====*                |
(9) |                                  |          PPP_PDP_ACTIVATE_IND |
    |                                  |          *<=====*                |
(10) |                                  |          SMREG_PDP_ACTIVATE_REQ |
    |                                  |          *=====>*                |
(11) |                                  |          PPP_DTI_CONNECTED_IND |
    |                                  |          *<=====*                |
(12) |                                  |          SMREG_PDP_ACTIVATE_CNF |
    |                                  |          *<=====*                |
(13) |                                  |          PPP_PDP_ACTIVATE_RES |
    |                                  |          *=====>*                |
(14) |                                  |          SMREG_PDP_DEACTIVATE_IND |
    |                                  |          *<=====*                |
(15) |                                  |          PPP_TERMINATE_REQ    |
    |                                  |          *=====>*                |
(16) |                                  |          PPP_ESTABLISH_CNF    |
    |                                  |          *<=====*                |
MUTE (2000)
(17) |                                  |          PPP_TERMINATE_IND    |
    |                                  |          *<=====*                |
(18) |                                  |          UART_DTI_IND          |
    |                                  |          (UART_DISCONNECT_DTI) |
    |                                  |          *<=====*                |
(19) |                                  |          DTI2_CONNECT_REQ     |
    |                                  |          *=====>*                |
(20) |                                  |          UART_DTI_REQ          |
    |                                  |          *=====>*                |
    
```

```

(21) | | DTI2_CONNECT_CNF |
| | * <===== *
(22) | | UART_DTI_CNF |
| | * <===== *
(23) | | ACI_CMD_IND |
| | (msg: NO CARRIER) |
| | * <===== *
MUTE (2000) | |
| |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	DTI_CAUSE_NORMAL_CLOSE
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION

	peer_link_id prot_link_id	UART_DTI_ID SNDTCP_DTI_ID
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(12) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(13) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(14) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(15) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(16) PPP_ESTABLISH_CNF	mru ppp_hc msid ip	PPP_MRU_DEFAULT PPP_HC_OFF MSID_NO UNUSED_IN_TESTCASE

	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE
(17) PPP_TERMINATE_IND		
	ppp_cause	PPP_TERM_OK_MMI
(18) UART_DTI_IND		
	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(19) DTI2_CONNECT_REQ		
	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(20) UART_DTI_REQ		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(21) DTI2_CONNECT_CNF		
	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(22) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(23) ACI_CMD_IND		
	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER

History:

06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.11 GACI110: One PDP context deactivation by PPP

Description:

PPP terminated an activated context.

Preamble:

```

GACI100b
      APL                      ACI                      PS
(1)  |                          |                      |
      |                          |          PPP_TERMINATE_IND      |
      |                          | * <===== *          |
(2)  |                          |          SMREG_PDP_DEACTIVATE_REQ  |
      |                          | * =====> *          |
(3)  |                          |          UART_DTI_IND          |
      |                          |          (UART_DISCONNECT_DTI)    |
      |                          | * <===== *          |
(4)  |                          |          SMREG_PDP_DEACTIVATE_CNF  |
      |                          | * <===== *          |
(5)  |                          |          DTI2_CONNECT_REQ      |
      |                          | * =====> *          |
(6)  |                          |          UART_DTI_REQ          |
      |                          | * =====> *          |
(7)  |                          |          DTI2_CONNECT_CNF      |
      |                          | * <===== *          |
(8)  |                          |          UART_DTI_CNF          |
      |                          | * <===== *          |
(9)  |                          |          ACI_CMD_IND          |
      |                          |          (msg: NO CARRIER)    |
      |                          | * <===== *          |
MUTE (2000)
      |                          |                      |
    
```

Parametrization:

Primitive	Parameter	Value
(1) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_PEER
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(3) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(5) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(6) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI

	device	DEVICE_1
	dci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(7) DTI2_CONNECT_CNF		
	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dci	STANDARD_DLCI
(9) ACI_CMD_IND		
	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER

History:

24-09-2001	brz	return NO_CARRIER
06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.12 GACI111: One PDP context deactivation by PPP and SM

Description:

PPP and SM terminated an activated context in the same time. In first the PPP terminate primitive is received.

Preamble:

	GACI100b		
	APL	ACI	PS
(1)			
		PPP_TERMINATE_IND	
		* <===== *	
(2)		SMREG_PDP_DEACTIVATE_REQ	
		* =====> *	
MUTE (2000)			
(3)		UART_DTI_IND	
		(UART_DISCONNECT_DTI)	
		* <===== *	
(4)		SMREG_PDP_DEACTIVATE_IND	
		* <===== *	
(5)		DTI2_CONNECT_REQ	
		* =====> *	
(6)		UART_DTI_REQ	
		* =====> *	
(7)		DTI2_CONNECT_CNF	
		* <===== *	
(8)		UART_DTI_CNF	
		* <===== *	
(9)	ACI_CMD_IND		
	(msg: NO CARRIER)		
	* <===== *		
MUTE (2000)			

Parametrization:

Primitive	Parameter	Value
(1) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_PEER
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(3) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(4) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(5) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(6) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(7) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(8) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(9) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

24-09-2001	brz	return NO_CARRIER
06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.13 GACI112: One PDP context deactivation by SM

Description:

SM deactivated an activated context.

Preamble:

	GACI100b		
	APL	ACI	PS
(1)		SMREG_PDP_DEACTIVATE_IND	
		* <=====	*
(2)		PPP_TERMINATE_REQ	
		* =====>	*
MUTE (2000)			
(3)		PPP_TERMINATE_IND	
		* <=====	*
(4)		UART_DTI_IND	
		(UART_DISCONNECT_DTI)	
		* <=====	*
(5)		DTI2_CONNECT_REQ	
		* =====>	*
(6)		UART_DTI_REQ	
		* =====>	*
(7)		DTI2_CONNECT_CNF	
		* <=====	*
(8)		UART_DTI_CNF	
		* <=====	*
(9)			
		ACI_CMD_IND	
		(msg: NO CARRIER)	
		* <=====	*
MUTE (2000)			

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(2) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(3) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(4) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCCI
(5) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10

(6) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(7) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(8) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(9) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

24-09-2001	brz	return NO_CARRIER
06-08-2001	brz	changes for MULTI INSTANCE ACI
05-10-2000	brz	add UART entity
17-08-2000	brz	Initial

4.6.14 GACI113: Start a PDP context without specified use

Description:

It is possible to activate a PDP context without an application (eg WAP)

Variants:

<A>...<D>

Preamble:

<A>GACI020
 GACI114b
 <C>GACI020
 <D>GACI020

APL	ACI	PS
(1) ACI_CMD_REQ (cmd: CGACT=1)		
* =====> *		
(2)	SMREG_PDP_ACTIVATE_REQ	
	* =====> *	
(3)	SMREG_PDP_ACTIVATE_CNF	
	* <===== *	
(4) ACI_CMD_IND (msg: OK)		
* <===== *		
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT

	cmd_len	LC_CGACT_X
	cmd_seq	C_CGACT_11
 (2) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
<A>	dti_linkid	SNDP_NULL_DTI_ID
	dti_linkid	SNDP_NULL_DTI_ID_2
<C>	dti_linkid	SNDP_NULL_DTI_ID
<D>	dti_linkid	SNDP_NULL_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_NEIGHBOR
<A>	sdu	SDU_CTX_REQ_DEF
	sdu	SDU
<C>	sdu	SDU_CTX_REQ_DEF
<D>	sdu	SDU_CTX_REQ_DEF
 (3) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
<A>	sdu	SDU_2
	sdu	SDU_3
<C>	sdu	SDU_NET_DNS_1
<D>	sdu	SDU_NET_GATEW_2
 (4) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

11-12-2002	rm	add variants C/D with additional network pco's
09-10-2001	brz	add context activation primitives
12-08-2001	brz	Initial

4.6.15 GACI114: PDP context deactivation by CGACT=0,...

Description:

Variants:

<A>...<C>

Preamble:

```

    <A>GACI014a
    <B>GACI014b
    <C>GACI014a

    APL                               ACI                               PS
    |                                 |                                 |
    (1) |          ACI_CMD_REQ         |                                 |
        |          (cmd: CGACT=0)     |                                 |
        *=====> *                   |                                 |
    (2) |                                 |          PPP_TERMINATE_REQ     |
        |                                 | *=====> *                   |
    (3) |                                 |          SMREG_PDP_DEACTIVATE_REQ |
        |                                 | *=====> *                   |
    (4) |                                 |          SMREG_PDP_DEACTIVATE_CNF |
        |                                 | *<===== *                   |
    (5) |                                 |          PPP_TERMINATE_IND     |
        |                                 | *<===== *                   |
    (6) |          ACI_CMD_IND         |                                 |
        |          (msg: OK)          |                                 |
        *<===== *                   |                                 |
    (7) |                                 |          UART_DTI_IND         |
        |                                 |          (UART_DISCONNECT_DTI) |
        |                                 | *<===== *                   |
    (8) |                                 |          DTI2_CONNECT_REQ     |
        |                                 | *=====> *                   |
    (9) |                                 |          UART_DTI_REQ         |
        |                                 | *=====> *                   |
    (10) |                                 |          DTI2_CONNECT_CNF     |
        |                                 | *<===== *                   |
    (11) |                                 |          UART_DTI_CNF         |
        |                                 | *<===== *                   |
    (12) |          ACI_CMD_IND         |                                 |
        |          (msg: NO CARRIER) |                                 |
        *<===== *                   |                                 |
    MUTE (2000)                       |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	NUM_2
<A>	cmd_len	LC_CGACT_X
	cmd_len	LC_CGACT_X
<C>	cmd_len	LC_CGACT_0
<A>	cmd_seq	C_CGACT_10
	cmd_seq	C_CGACT_10
<C>	cmd_seq	C_CGACT_0
(2) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(3) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(5) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI

(6) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(7) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(8) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(9) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(10) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(11) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(12) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

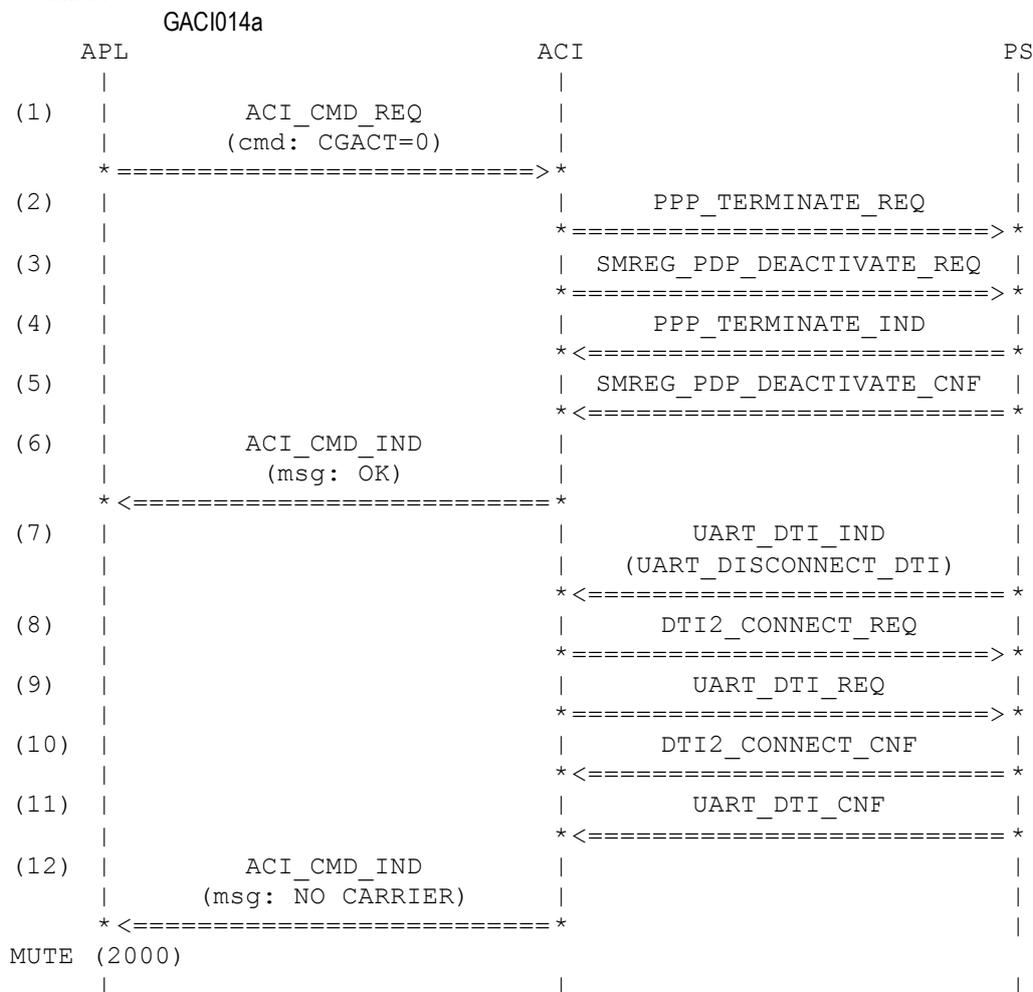
History:

26-09-2001 brz Initial

4.6.16 GACI115: PDP context deactivation by CGACT=0,...

Description:

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	NUM_2
	cmd_len	LC_CGACT_X
	cmd_seq	C_CGACT_10
(2) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(3) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI

(5) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(6) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(7) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(8) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(9) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(10) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(11) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(12) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

26-09-2001 brz Initial

4.6.17 GACI117: One PDP context activated

Description:

No PDP context is defined.

Preamble:

APL	GACI021	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)		
	=====>		
(2)		GMMREG_ATTACH_REQ	
		=====>	
(3)		GMMREG_ATTACH_CNF	
		<=====	
(4)	ACI_CMD_IND (msg: CONNECT)		
	<=====		
(5)		DTI2_DISCONNECT_REQ	
		=====>	
(6)		UART_DTI_IND (UART_DISCONNECT_DTI)	
		<=====	
(7)		UART_DTI_REQ	
		=====>	
(8)		UART_DTI_CNF	
		<=====	
(9)		PPP_ESTABLISH_REQ	
		=====>	
(10)		PPP_DTI_CONNECTED_IND	
		<=====	
(11)		PPP_PDP_ACTIVATE_IND	
		<=====	
(12)		SMREG_PDP_ACTIVATE_REQ	
		=====>	
(13)		PPP_DTI_CONNECTED_IND	
		<=====	
(14)		SMREG_PDP_ACTIVATE_CNF	
		<=====	
(15)		PPP_PDP_ACTIVATE_RES	
		=====>	
(16)		PPP_ESTABLISH_CNF	
		<=====	
MUTE (2000)			

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1

(2) GMMREG_ATTACH_REQ	mobile_class attach_type service_mode t3314_ready_val t3312_standby_rau_val	GMMREG_CLASS_BG GMMREG_AT_COMB SERVICE_MODE_FULL VAL_T3314 VAL_T3312
(3) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_COMB PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES
(4) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(5) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(6) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(7) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(8) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(9) PPP_ESTABLISH_REQ	mode mru ap login accm rt mc mt mf ppp_hc ip dns1 dns2 peer_channel protoco_channel peer_direction prot_direction peer_link_id prot_link_id	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED PPP_ACCM_OFF PPP_RT_DEFAULT PPP_MC_DEFAULT PPP_MT_DEFAULT PPP_MF_DEFAULT NOT_USED NOT_USED NOT_USED NOT_USED UART_CHANNEL SNDP_CHANNEL PEER_DIRECTION PROT_DIRECTION UART_DTI_ID SNDP_DTI_ID

(10) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(11) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(12) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_0_S SMREG_APN_0_S SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(13) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(14) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_1 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(15) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(16) PPP_ESTABLISH_CNF	mru ppp_hc msid ip dns1 dns2	PPP_MRU_DEFAULT PPP_HC_OFF MSID_NO UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE

History:

30-07-2001	brz	changes for MULTI INSTANCE ACI
07-05-2001	brz	Initial

4.6.18 GACI119: Context activation status and test commands

Description:

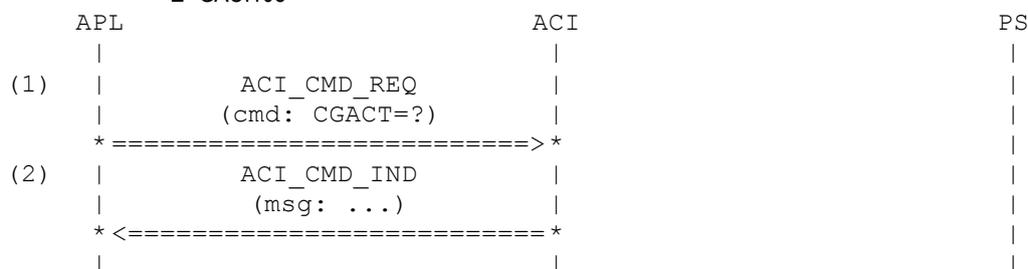
- <A> Test command CGACT.
- Read command without defined contexts.
- <C> Read command with one defined but not activated context.
- <D> Read command with one defined and activated context.
- <E> Read command with two defined and one activated context.

Variants:

<A>....<E>

Preamble:

- <A>GACI002A
- GACI002A
- <C>GACI060a
- <D>GACI111
- <E>GACI108



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGACT_T
<C>	cmd_len	LC_CGACT_R
<D>	cmd_len	LC_CGACT_R
<E>	cmd_len	LC_CGACT_R
<A>	cmd_seq	C_CGACT_T
	cmd_seq	C_CGACT_R
<C>	cmd_seq	C_CGACT_R
<D>	cmd_seq	C_CGACT_R
<E>	cmd_seq	C_CGACT_R
(2) ACI_CMD_IND		
<A>	cmd_len	LM_CGACT_T
	cmd_len	LM_OK
<C>	cmd_len	LM_CGACT_R1
<D>	cmd_len	LM_CGACT_R1
<E>	cmd_len	LM_CGACT_R1
<A>	cmd_seq	M_CGACT_T
	cmd_seq	M_OK
<C>	cmd_seq	M_CGACT_R10
<D>	cmd_seq	M_CGACT_R10
<E>	cmd_seq	M_CGACT_R10
History:	07.08.2000	brz Initial

4.7 Automatic detach after last context deactivation

4.7.1 GACI130: Detach after one PDP context deactivation by SM

Description:

SM deactivated an activated context.

Preamble:

```

GACI100a
      APL                               ACI                               PS
      |                                 |                                 |
COMMAND (MMI CONFIG AUTO_DETACH)
(1)  |                                 | SMREG_PDP_DEACTIVATE_IND |
      |                                 * <===== *
(2)  |                                 |   PPP_TERMINATE_REQ   |
      |                                 * =====> *
(3)  |                                 |   GMMREG_DETACH_REQ   |
      |                                 * =====> *
(4)  |                                 |   PPP_TERMINATE_IND   |
      |                                 * <===== *
(5)  |                                 |   UART_DTI_IND       |
      |                                 | (UART_DISCONNECT_DTI) |
      |                                 * <===== *
(6)  |                                 |   DTI2_CONNECT_REQ   |
      |                                 * =====> *
(7)  |                                 |   UART_DTI_REQ       |
      |                                 * =====> *
(8)  |                                 |   DTI2_CONNECT_CNF   |
      |                                 * <===== *
(9)  |                                 |   UART_DTI_CNF       |
      |                                 * <===== *
(10) |                                 |   ACI_CMD_IND        |
      |                                 | (msg: NO CARRIER)   |
      |                                 * <===== *
(11) |                                 |   GMMREG_DETACH_CNF   |
      |                                 * <===== *
MUTE (2000)
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(2) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(3) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(5) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dci	STANDARD_DLCI

(6) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(7) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(8) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(9) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(10) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(11) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History:

24-09-2001	brz	return NO_CARRIER
12-08-2001	brz	Initial

4.7.2 GACI131: Detach after one PDP context deactivation by PPP

Description:

PPP deactivated an activated context.

Preamble:

```

GACI100a
      APL                               ACI                               PS
      |                                 |                                 |
COMMAND (MMI CONFIG AUTO_DETACH)      |                                 |
(1)  |                                 |      PPP_TERMINATE_IND      |
      |                                 | * <===== *                |
(2)  |                                 |      SMREG_PDP_DEACTIVATE_REQ |
      |                                 | * =====> *                |
(3)  |                                 |      UART_DTI_IND          |
      |                                 |      (UART_DISCONNECT_DTI) |
      |                                 | * <===== *                |
(6)  |                                 |      SMREG_PDP_DEACTIVATE_CNF |
      |                                 | * <===== *                |
(4)  |                                 |      DTI2_CONNECT_REQ      |
      |                                 | * =====> *                |
(5)  |                                 |      UART_DTI_REQ         |
      |                                 | * =====> *                |
(7)  |                                 |      GMMREG_DETACH_REQ     |
      |                                 | * =====> *                |
(8)  |                                 |      DTI2_CONNECT_CNF     |
      |                                 | * <===== *                |
(9)  |                                 |      UART_DTI_CNF        |
      |                                 | * <===== *                |
(10) |      ACI_CMD_IND              |                                 |
      |      (msg: NO CARRIER)      |                                 |
      | * <===== *                |                                 |
(11) |                                 |      GMMREG_DETACH_CNF    |
      |                                 | * <===== *                |
MUTE (2000)                             |                                 |
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_PEER
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(3) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5

(5) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(6) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(7) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(8) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(9) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(10) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(11) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History:
 26-12-2001 brz Initial

4.7.3 GACI132: Automatic detach after failed PDP context activated by PPP

Description:
 The establishment of PPP fails in step one.

Preamble:

```

GACI060a
APL                               ACI                               PS
|                                 |                                 |
COMMAND (MMI CONFIG AUTO_DETACH)
(1) |         ACI_CMD_REQ         |                                 |
    |         (cmd: CGDATA="PPP",1) |                                 |
    *=====>*
(2) |         ACI_CMD_IND         |                                 |
    |         (msg: CONNECT)      |                                 |
    *<=====*
```

(3) | | DTI2_DISCONNECT_REQ | |
 =====>

(4) | | UART_DTI_IND | |
 | | (UART_DISCONNECT_DTI) | |
 <=====

(5) | | UART_DTI_REQ | |
 =====>

(6) | | UART_DTI_CNF | |
 <=====

(7) | | PPP_ESTABLISH_REQ | |
 =====>

MUTE (2000)

(8) | | PPP_TERMINATE_IND | |
 <=====

(9) | | GMMREG_DETACH_REQ | |
 =====>

(10) | | UART_DTI_IND | |
 | | (UART_DISCONNECT_DTI) | |
 <=====

(11) | | DTI2_CONNECT_REQ | |
 =====>

(12) | | UART_DTI_REQ | |
 =====>

(13) | | DTI2_CONNECT_CNF | |
 <=====

(14) | | UART_DTI_CNF | |
 <=====

(15) | | ACI_CMD_IND | |
 | | (msg: NO CARRIER) | |
 <=====

(16) | | GMMREG_DETACH_CNF | |
 <=====

MUTE (2000)

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT

	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(8) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_NO_RESPONSE
(9) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(10) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(11) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10

(12) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(13) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(14) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(15) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(16) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History:

26-12-2001 brz Initial

4.7.4 GACI133: Automatic detach after failed PDP context activated by SM

Description:

SM can't activate a context.

Preamble:

```

GACI060a
APL                               ACI                               PS
|                                 |                                 |
COMMAND (MMI CONFIG AUTO_DETACH)
(1) |         ACI_CMD_REQ         |                                 |
    |         (cmd: CGDATA="PPP",1) |                                 |
    * =====> *
(2) |         ACI_CMD_IND         |                                 |
    |         (msg: CONNECT)      |                                 |
    * <===== *
(3) |                                 |         DTI2_DISCONNECT_REQ    |
    |                                 |         * =====> *
(4) |                                 |         UART_DTI_IND          |
    |                                 |         (UART_DISCONNECT_DTI) |
    |                                 |         * <===== *
(5) |                                 |         UART_DTI_REQ          |
    |                                 |         * =====> *
(6) |                                 |         UART_DTI_CNF          |
    |                                 |         * <===== *
(7) |                                 |         PPP_ESTABLISH_REQ     |
    |                                 |         * =====> *
(8) |                                 |         PPP_DTI_CONNECTED_IND |
    |                                 |         * <===== *
(9) |                                 |         PPP_PDP_ACTIVATE_IND  |
    |                                 |         * <===== *
(10) |                                |         SMREG_PDP_ACTIVATE_REQ |
    |                                |         * =====> *
(11) |                                |         SMREG_PDP_ACTIVATE_REJ |
    |                                |         * <===== *
(12) |                                |         GMMREG_DETACH_REQ     |
    |                                |         * =====> *
(13) |                                |         PPP_PDP_ACTIVATE_REJ  |
    |                                |         * =====> *
MUTE (2000)
(14) |                                |         PPP_TERMINATE_IND     |
    |                                |         * <===== *
(15) |                                |         UART_DTI_IND          |
    |                                |         (UART_DISCONNECT_DTI) |
    |                                |         * <===== *
(16) |                                |         DTI2_CONNECT_REQ      |
    |                                |         * =====> *
(17) |                                |         UART_DTI_REQ          |
    |                                |         * =====> *
(18) |                                |         DTI2_CONNECT_CNF      |
    |                                |         * <===== *
(19) |                                |         UART_DTI_CNF          |
    |                                |         * <===== *
(20) |         ACI_CMD_IND         |                                 |
    |         (msg: NO CARRIER)  |                                 |
    * <===== *
MUTE (2000)
    
```


(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) SMREG_PDP_ACTIVATE_REJ	smreg_cause SMREG_RC_NETWORK_FAILURE smreg_nsapi	SMREG_NSAPI_5
(12) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(13) PPP_PDP_ACTIVATE_REJ	ppp_cause SMREG_RC_NETWORK_FAILURE	
(14) PPP_TERMINATE_IND	ppp_cause SMREG_RC_NETWORK_FAILURE	
(15) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(16) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(17) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(18) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(19) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI

	device	DEVICE_1
	dldci	STANDARD_DLCI
(20) ACI_CMD_IND	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER
(21) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History:

26-12-2001 brz Initial

4.7.5 GACI134: Automatic detach after aborting +CGDATA during GPRS attachment

Description:

The attachment will be aborted.

Preamble:

```

GACI021
      APL                               ACI                               PS
      |                                 |                                 |
COMMAND (MMI CONFIG AUTO_DETACH)
(1)  |      ACI_CMD_REQ                 |                                 |
      |      (cmd: CGDATA="PPP", 1)     |                                 |
      * =====> *                       |                                 |
(2)  |                                 |      GMMREG_ATTACH_REQ         |
      |                                 |      * =====> *                       |
(3)  |      ACI_ABORT_REQ               |                                 |
      * =====> *                       |                                 |
(4)  |                                 |      GMMREG_DETACH_REQ         |
      |                                 |      * =====> *                       |
(5)  |      ACI_CMD_IND                 |                                 |
      |      (msg: OK)                  |                                 |
      * <===== *                       |                                 |
MUTE (2000)
(6)  |                                 |      GMMREG_DETACH_CNF         |
      |                                 |      * <===== *                       |
MUTE (2000)
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) ACI_ABORT_REQ	cmd_src	CMD_SRC_EXT
	cause	ABT_ABORT_CMD

(4) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(5) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(6) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History: 08-08-2002 brz Initial

4.7.6 GACI135: Automatic detach after failed PDP context activated by SM

Description: SM can't activate a context.

Preamble:

```

GACI060a
APL          ACI          PS
|           |           |
COMMAND (MMI CONFIG AUTO_DETACH)
(1) |         ACI_CMD_REQ |         |
    |         (cmd: CGDATA="PPP",1) |         |
    * =====> *
(2) |         ACI_CMD_IND |         |
    |         (msg: CONNECT) |         |
    * <===== *
(3) |           |         DTI2_DISCONNECT_REQ |         |
    |           * =====> *
(4) |           |         UART_DTI_IND |         |
    |           |         (UART_DISCONNECT_DTI) |         |
    |           * <===== *
(5) |           |         UART_DTI_REQ |         |
    |           * =====> *
(6) |           |         UART_DTI_CNF |         |
    |           * <===== *
(7) |           |         PPP_ESTABLISH_REQ |         |
    |           * =====> *
(8) |           |         PPP_DTI_CONNECTED_IND |         |
    |           * <===== *
(9) |           |         PPP_PDP_ACTIVATE_IND |         |
    |           * <===== *
(10) |          |         SMREG_PDP_ACTIVATE_REQ |         |
    |          * =====> *
(11) |          |         SMREG_PDP_ACTIVATE_CNF |         |
    |          * <===== *
(12) |          |         PPP_PDP_ACTIVATE_RES |         |
    |          * =====> *
(13) |          |         PPP_TERMINATE_IND |         |
    |          * <===== *
(14) |          |         SMREG_PDP_DEACTIVATE_REQ |         |
    |          * =====> *
(15) |          |         UART_DTI_IND |         |
    |          |         (UART_DISCONNECT_DTI) |         |
    |          * <===== *
(16) |          |         SMREG_PDP_DEACTIVATE_CNF |         |
    |          * <===== *
(17) |          |         UART_DTI_REQ |         |
    |          * =====> *
(18) |          |         DTI2_CONNECT_REQ |         |
    |          * =====> *
(19) |          |         GMMREG_DETACH_REQ |         |
    |          * =====> *
(20) |          |         UART_DTI_CNF |         |
    |          * <===== *
MUTE (2000)
(21) |          |         DTI2_CONNECT_CNF |         |
    |          * <===== *
    
```


	peer_link_id prot_link_id	UART_DTI_ID SNDTCP_DTI_ID
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(10) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_1 SMREG_APN_1 SNDTCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(11) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_3 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(12) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(13) PPP_TERMINATE_IND	ppp_cause PPP_TERM_PROT_REJ_UNEXPECTED	
(14) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(15) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCCI

(16) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(17) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(18) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(19) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_GPRS
(20) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(21) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(22) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(23) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_GPRS

History:

08-08-2002 brz Initial

4.8 network requested context activation

4.8.1 GACI140: Set CGAUTO mode

Description:

Variants:

<A>...<C>

Preamble:

<A>GACI020
 GACI020
 <C>GACI020

	APL	ACI	PS
(1)			
	ACI_CMD_REQ		
	(cmd: CGAUTO=...)		
	* =====> *		
(2)			
	ACI_CMD_IND		
	(msg: OK)		
	* <===== *		

Parametrization:

Primitive	Parameter	Value	
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT	
	cmd_len	LC_CGAUTO_X	
	<A> cmd_seq	C_CGAUTO_0	
	 cmd_seq	C_CGAUTO_2	
(4) ACI_CMD_IND	<C> cmd_seq	C_CGAUTO_3	
	cmd_len	LM_OK	
	cmd_seq	M_OK	
History:	01.08.2000	brz	Initial

4.8.2 GACI141: modem compatibility mode, GPRS and circuit switched calls (default)

Description:

Manual rejection of a network request for PDP context activation

Variants:

<A>...<D>

Preamble:

<A>GACI020
 GACI020
 <C>GACI141a
 <D>GACI141b

APL	ACI	PS
(1)		
	SMREG_PDP_ACTIVATE_IND	
	* <=====	*
TIMEOUT (2000)		
(2)		
	ACI_CMD_IND	
	(msg: RING)	
	* <=====	
TIMEOUT (2000)		
(3)		
	ACI_CMD_IND	
	(msg: RING)	
	* <=====	
TIMEOUT (2000)		
(4)		
	ACI_CMD_IND	
	(msg: RING)	
	* <=====	
(5)		
	ACI_CMD_REQ	
	(cmd: ATH)	
	* =====>	
(6)		
	SMREG_PDP_ACTIVATE_RES	
	* =====>	
(7)		
	ACI_CMD_IND	
	(msg: OK)	
	* <=====	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
-----------	-----------	-------

(1) SMREG_PDP_ACTIVATE_IND	smreg_qos smreg_ti smreg_apn pdp_type pdp_address	SMREG_QOS_0 NUM_8 SMREG_APN_1 IP_V_4 PDP_ADDRESS_1
(2) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(3) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(4) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(5) ACI_CMD_REQ	cmd_src cmd_len cmd_len cmd_len cmd_len cmd_seq cmd_seq cmd_seq cmd_seq	CMD_SRC_EXT LC_H LC.CGANS_X LC_H LC.CGANS_X C_H C.CGANS_0 C_H C.CGANS_0
(6) SMREG_PDP_ACTIVATE_RES	smreg_ti smreg_cause SMREG_RC_ACT_REJ_UNSPEC	NUM_8
(7) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History:

27-03-2002	brz	2 variants added
01-09-2000	brz	Initial

4.8.3 GACI142: modem compatibility mode, GPRS and circuit switched calls (default)

Description:

Manuel acceptance of a network request for PDP context activation

Variants:

<A>...<D>

Preamble:

<A>GACI060c
 GACI060c
 <C>GACI060c
 <D>GACI060c

APL	ACI	PS
(1)	SMREG_PDP_ACTIVATE_IND	
	* <=====*	
(2)	ACI_CMD_IND (msg: RING)	
	* <=====*	
TIMEOUT (2000)		
(3)	ACI_CMD_IND (msg: RING)	
	* <=====*	
TIMEOUT (2000)		
(4)	ACI_CMD_IND (msg: RING)	
	* <=====*	
(5)	ACI_CMD_REQ (cmd: ATA)	
	* =====>*	
(6)	ACI_CMD_IND (msg: CONNECT)	
	* <=====*	
(7)	DTI2_DISCONNECT_REQ	
	* =====>*	
(8)	UART_DTI_IND (UART_DISCONNECT_DTI)	
	* <=====*	
(9)	UART_DTI_REQ	
	* =====>*	
(10)	UART_DTI_CNF	
	* <=====*	
(11)	PPP_ESTABLISH_REQ	
	* =====>*	
(12)	PPP_DTI_CONNECTED_IND	
	* <=====*	
(13)	PPP_PDP_ACTIVATE_IND	
	* <=====*	
(14)	SMREG_PDP_ACTIVATE_REQ	
	* =====>*	
(15)	PPP_DTI_CONNECTED_IND	
	* <=====*	
(16)	SMREG_PDP_ACTIVATE_CNF	
	* <=====*	
(17)	PPP_PDP_ACTIVATE_RES	
	* =====>*	
(18)	PPP_ESTABLISH_CNF	
	* <=====*	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1

	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) ACI_CMD_IND		
	cmd_len	LM_RING
	cmd_seq	M_RING
(3) ACI_CMD_IND		
	cmd_len	LM_RING
	cmd_seq	M_RING
(4) ACI_CMD_IND		
	cmd_len	LM_RING
	cmd_seq	M_RING
(5) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_A
<C>	cmd_len	LC.CGANS_X
<D>	cmd_len	LC.CGANS_X2
<A>	cmd_len	LC.GD_0
	cmd_seq	C_A
<C>	cmd_seq	C.CGANS_1
<D>	cmd_seq	C.CGANS_2X
	cmd_seq	C.GD_0
(6) ACI_CMD_IND		
	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(7) DTI2_DISCONNECT_REQ		
	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(8) UART_DTI_IND		
	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(9) UART_DTI_REQ		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(10) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(11) PPP_ESTABLISH_REQ		
	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT

	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(12) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(13) PPP_PDP_ACTIVATE_IND	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(14) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_min_qos	SMREG_QOS_4
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_8
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(15) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(16) SMREG_PDP_ACTIVATE_CNF	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(17) PPP_PDP_ACTIVATE_RES	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
	sdu	SDU_2
(18) PPP_ESTABLISH_CNF	mru	PPP_MRU_DEFAULT

ppp_hc
msid
ip
dns1
dns2

PPP_HC_OFF
MSID_NO
UNUSED_IN_TESTCASE
UNUSED_IN_TESTCASE
UNUSED_IN_TESTCASE

History:

30-07-2001	brz	changes for MULTI INSTANCE ACI
30-04-2001	brz	change some parameter
24-02-2001	brz	add variants with CGANS
18-01-2001	brz	add context activation
01-10-2000	brz	Initial

4.8.4 GACI143: Automatic acceptance of a network request for PDP context activation __FAILED!!!

Description:

Manuel acceptance of a network request for PDP context activation

Preamble:

```

GACI144
APL                               ACI                               PS
|                                 |                                 |
(1) |                             | SMREG_PDP_ACTIVATE_IND         |
|                                 | * <===== *                   |
(2) |           ACI_CMD_IND         |                                 |
|           (msg: RING)           |                                 |
* <===== *                       |
(3) |           ACI_CMD_IND         |                                 |
|           (msg: CONNECT)       |                                 |
* <===== *                       |
(4) |                                 | DTI2_DISCONNECT_REQ           |
|                                 | * =====> *                 |
(5) |                                 | UART_DTI_IND                 |
|                                 | (UART_DISCONNECT_DTI)       |
|                                 | * <===== *                   |
(6) |                                 | UART_DTI_REQ                 |
|                                 | * =====> *                 |
(7) |                                 | UART_DTI_CNF                 |
|                                 | * <===== *                   |
(8) |                                 | PPP_ESTABLISH_REQ           |
|                                 | * =====> *                 |
(9) |                                 | PPP_DTI_CONNECTED_IND       |
|                                 | * <===== *                   |
(10) |                                | PPP_PDP_ACTIVATE_IND        |
|                                | * <===== *                   |
(11) |                                | SMREG_PDP_ACTIVATE_REQ     |
|                                | * =====> *                 |
(12) |                                | PPP_DTI_CONNECTED_IND       |
|                                | * <===== *                   |
(13) |                                | SMREG_PDP_ACTIVATE_CNF     |
|                                | * <===== *                   |
(14) |                                | PPP_PDP_ACTIVATE_RES        |
|                                | * =====> *                 |
(15) |                                | PPP_ESTABLISH_CNF           |
|                                | * <===== *                   |
MUTE (2000)                       |                                 |
|                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8

	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) ACI_CMD_IND		
	cmd_len	LM_RING
	cmd_seq	M_RING
(3) ACI_CMD_IND		
	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(4) DTI2_DISCONNECT_REQ		
	link_id	UART_DTI_ID
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(5) UART_DTI_IND		
	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldi	STANDARD_DLDCI
(6) UART_DTI_REQ		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldi	STANDARD_DLDCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(7) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldi	STANDARD_DLDCI
(8) PPP_ESTABLISH_REQ		
	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(9) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(10) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU

(11) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MT PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_8 PDP_ADDRESS_0_S SMREG_APN_0_S SNDCP_DTI_ID STRING_POINTER SMREG_HOME SDU
(12) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(13) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_3 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(14) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(15) PPP_ESTABLISH_CNF	mru ppp_hc msid ip dns1 dns2	PPP_MRU_DEFAULT PPP_HC_OFF MSID_NO UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE

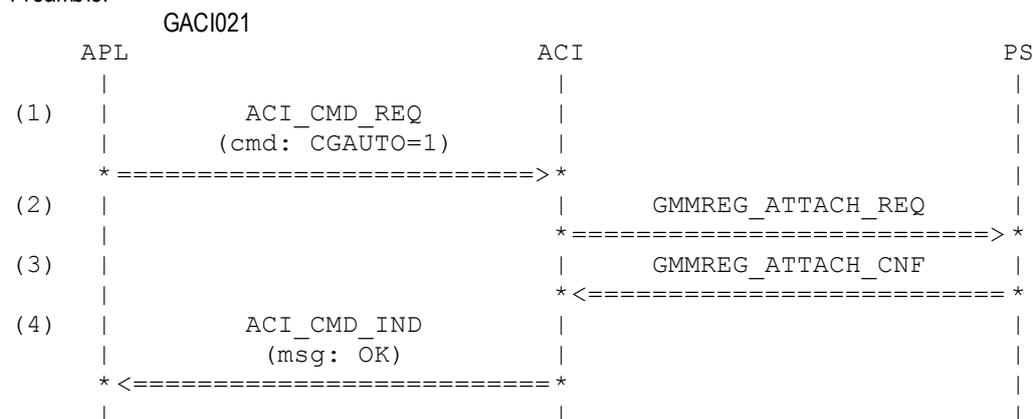
History:

30-07-2001	brz	changes for MULTI INSTANCE ACI
18-01-2001	brz	Initial

4.8.5 GACI144: set CGAUTO mode = 1 and attach

Description:

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGAUTO_X
	cmd_seq	C_CGAUTO_1
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) GMMREG_ATTACH_CNF	attach_type	GMMREG_AT_COMB
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING
(4) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 02.03.2001 brz Initial

4.8.6 GACI145: Manuel acceptance of a network request for PDP context activation

Description:

Manuel acceptance of a network request for PDP context activation

Preamble:

```

GACI100a
      APL                               ACI                               PS
      |                                 |                                 |
(1)  |                                 | SMREG_PDP_ACTIVATE_IND      |
      |                                 | *<===== *
(2)  |                                 | SMREG_PDP_ACTIVATE_RES      |
      |                                 | *=====> *
MUTE (2000)
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(16) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(17) SMREG_PDP_ACTIVATE_RES	smreg_ti	NUM_8
	smreg_cause	SMREG_RC_INSUF_RES

History: 07-05-2001 brz Initial

4.8.7 GACI146: context reactivation

Description: Manual acceptance of a network request for PDP context activation

Preamble:

	APL	ACI	PS
	GACI142a		
(1)		SMREG_PDP_ACTIVATE_IND	
		* <=====*	
(2)		SMREG_PDP_DEACTIVATE_REQ	
		* =====>*	
(3)		PPP_TERMINATE_REQ	
		* =====>*	
	MUTE (2000)		
(4)		PPP_TERMINATE_IND	
		* <=====*	
(5)		SMREG_PDP_DEACTIVATE_CNF	
		* <=====*	
(6)		UART_DTI_IND	
		(UART_DISCONNECT_DTI)	
		* <=====*	
(7)		DTI2_CONNECT_REQ	
		* =====>*	
(8)		UART_DTI_REQ	
		* =====>*	
(9)		DTI2_CONNECT_CNF	
		* <=====*	
(10)		UART_DTI_CNF	
		* <=====*	
(11)	ACI_CMD_IND		
	(msg: NO CARRIER)		
	* <=====*		
(12)	ACI_CMD_IND		
	(msg: RING)		
	* <=====*		
	TIMEOUT (2000)		
(13)	ACI_CMD_IND		
	(msg: RING)		
	* <=====*		
	TIMEOUT (2000)		
(14)	ACI_CMD_IND		
	(msg: RING)		
	* <=====*		
(15)	ACI_CMD_REQ		
	(cmd: ATA)		
	* =====>*		
(16)	ACI_CMD_IND		
	(msg: CONNECT)		
	* <=====*		
(17)		DTI2_DISCONNECT_REQ	
		* =====>*	
(18)		UART_DTI_IND	
		(UART_DISCONNECT_DTI)	
		* <=====*	
(19)		UART_DTI_REQ	

```

    |
    | *=====> *
(20) | |          UART_DTI_CNF          |
    | | *<===== *
(21) | |          PPP_ESTABLISH_REQ    |
    | | *=====> *
(22) | |          PPP_DTI_CONNECTED_IND |
    | | *<===== *
(23) | |          PPP_PDP_ACTIVATE_IND |
    | | *<===== *
(24) | |          SMREG_PDP_ACTIVATE_REQ |
    | | *=====> *
(25) | |          PPP_DTI_CONNECTED_IND |
    | | *<===== *
(26) | |          SMREG_PDP_ACTIVATE_CNF |
    | | *<===== *
(27) | |          PPP_PDP_ACTIVATE_RES |
    | | *=====> *
(28) | |          PPP_ESTABLISH_CNF    |
    | | *<===== *
MUTE (2000)
    |
    |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_LOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(5) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(6) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER

(9) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(10) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLICI
(11) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(12) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(13) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(14) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(15) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_A C_A
(16) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(17) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(18) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLICI
(19) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLICI NUM_0 UART_DTI_ID STRING_POINTER
(20) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLICI
(21) PPP_ESTABLISH_REQ	mode mru ap login accm rt mc mt	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED PPP_ACCM_OFF PPP_RT_DEFAULT PPP_MC_DEFAULT PPP_MT_DEFAULT

	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(22) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(23) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(24) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_min_qos	SMREG_QOS_4
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_8
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(25) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PEER
(26) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(27) PPP_PDP_ACTIVATE_RES		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
	sdu	SDU_2

(28) PPP_ESTABLISH_CNF

mru	PPP_MRU_DEFAULT
ppp_hc	PPP_HC_OFF
msid	MSID_NO
ip	UNUSED_IN_TESTCASE
dns1	UNUSED_IN_TESTCASE
dns2	UNUSED_IN_TESTCASE

History:

24-09-2001	brz	return NO_CARRIER
30-07-2001	brz	changes for MULTI INSTANCE ACI
07-05-2001	brz	Initial

4.8.8 GACI147: context reactivation

Description:

Preamble:

```

GACI142a
    APL                               ACI                               PS
(1) |                               | SMREG_PDP_ACTIVATE_IND |
    |                               | * <===== *
(2) |                               | SMREG_PDP_DEACTIVATE_REQ |
    |                               | * =====> *
(3) |                               | PPP_TERMINATE_REQ |
    |                               | * =====> *
MUTE (2000)
(4) |                               | SMREG_PDP_DEACTIVATE_CNF |
    |                               | * <===== *
(5) |                               | PPP_TERMINATE_IND |
    |                               | * <===== *
(6) |                               | UART_DTI_IND |
    |                               | (UART_DISCONNECT_DTI) |
    |                               | * <===== *
(7) |                               | DTI2_CONNECT_REQ |
    |                               | * =====> *
(8) |                               | UART_DTI_REQ |
    |                               | * =====> *
(9) |                               | DTI2_CONNECT_CNF |
    |                               | * <===== *
(10) |                               | UART_DTI_CNF |
    |                               | * <===== *
(11) | ACI_CMD_IND |
    | (msg: NO CARRIER) |
    | * <===== *
(12) | ACI_CMD_IND |
    | (msg: RING) |
    | * <===== *
TIMEOUT (2000)
(13) | ACI_CMD_IND |
    | (msg: RING) |
    | * <===== *
TIMEOUT (2000)
(14) | ACI_CMD_IND |
    | (msg: RING) |
    | * <===== *
(15) | ACI_CMD_REQ |
    | (cmd: ATA) |
    | * =====> *
(16) | ACI_CMD_IND |
    | (msg: CONNECT) |
    | * <===== *
(17) |                               | DTI2_DISCONNECT_REQ |
    |                               | * =====> *
    
```

```

(18) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(19) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(20) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(21) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(22) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(23) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(24) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(25) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(26) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(27) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
(28) |           |           |           |           |           |
      |           |           |           |           |           |
      |           |           |           |           |           |
MUTE (2000) |           |           |           |           |           |
      |           |           |           |           |           |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_LOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
	ppp_cause	PPP_TERM_OK_MMI
(6) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
	direction	NUM_0

	link_id entity_name	UART_DTI_ID STRING_POINTER
(9) DTI2_CONNECT_CNF		
	link_id version	UART_DTI_ID DTI_VERSION_10
(10) UART_DTI_CNF		
	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(11) ACI_CMD_IND		
	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(12) ACI_CMD_IND		
	cmd_len cmd_seq	LM_RING M_RING
(13) ACI_CMD_IND		
	cmd_len cmd_seq	LM_RING M_RING
(14) ACI_CMD_IND		
	cmd_len cmd_seq	LM_RING M_RING
(15) ACI_CMD_REQ		
	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_A C_A
(16) ACI_CMD_IND		
	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(17) DTI2_DISCONNECT_REQ		
	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(18) UART_DTI_IND		
	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(19) UART_DTI_REQ		
	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(20) UART_DTI_CNF		
	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(21) PPP_ESTABLISH_REQ		
	mode mru ap login accm rt	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED PPP_ACCM_OFF PPP_RT_DEFAULT

	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(22) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(23) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(24) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_min_qos	SMREG_QOS_4
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_8
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(25) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PEER
(26) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(27) PPP_PDP_ACTIVATE_RES		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO

	ip	IP_ADDRESS_1
	sdu	SDU_2
(28) PPP_ESTABLISH_CNF		
	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	UNUSED_IN_TESTCASE
	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE

History:

24-09-2001	brz	retrun NO_CARRIER
30-07-2001	brz	changes for MULTI INSTANCE ACI
14-05-2001	brz	Initial

4.8.9 GACI148: context reactivation aborted

Description:

Preamble:

	GACI142a		
	APL	ACI	PS
(1)		SMREG_PDP_ACTIVATE_IND	
		* <=====*	
(2)		SMREG_PDP_DEACTIVATE_REQ	
		* =====>*	
(3)		PPP_TERMINATE_REQ	
		* =====>*	
MUTE (2000)			
(4)		SMREG_PDP_DEACTIVATE_IND	
		* <=====*	
(5)		PPP_TERMINATE_IND	
		* <=====*	
(6)		UART_DTI_IND	
		(UART_DISCONNECT_DTI)	
		* <=====*	
(7)		DTI2_CONNECT_REQ	
		* =====>*	
(8)		UART_DTI_REQ	
		* =====>*	
(9)		DTI2_CONNECT_CNF	
		* <=====*	
(10)		UART_DTI_CNF	
		* <=====*	
(11)	ACI_CMD_IND		
	(msg: NO CARRIER)		
	* <=====*		
MUTE (2000)			

Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8

	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_LOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(4) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(5) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(6) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(7) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(9) DTI2_CONNECT_CNF	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(10) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dlci	STANDARD_DLCI
(11) ACI_CMD_IND	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER

History:

24-09-2001	brz	retrun NO_CARRIER
13-09-2001	brz	change behavior after deactivate_ind
30-07-2001	brz	changes for MULTI INSTANCE ACI
15-05-2001	brz	Initial

4.8.10 GACI149: context reactivation aborted

Description:

Preamble:

```

GACI142a
APL          ACI          PS
(1)         |          |          |
            |          | SMREG_PDP_ACTIVATE_IND |
            |          | * <===== * |
(2)         |          | SMREG_PDP_DEACTIVATE_REQ |
            |          | * =====> * |
(3)         |          | PPP_TERMINATE_REQ |
            |          | * =====> * |
MUTE (2000)
(4)         |          | PPP_TERMINATE_IND |
            |          | * <===== * |
(5)         |          | SMREG_PDP_DEACTIVATE_IND |
            |          | * <===== * |
(6)         |          | UART_DTI_IND |
            |          | (UART_DISCONNECT_DTI) |
            |          | * <===== * |
(7)         |          | DTI2_CONNECT_REQ |
            |          | * =====> * |
(8)         |          | UART_DTI_REQ |
            |          | * =====> * |
(9)         |          | DTI2_CONNECT_CNF |
            |          | * <===== * |
(10)        |          | UART_DTI_CNF |
            |          | * <===== * |
(11)        |          | ACI_CMD_IND |
            |          | (msg: NO CARRIER) |
            |          | * <===== * |
MUTE (2000)
            |          |          |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_LOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP

(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(5) SMREG_PDP_DEACTIVATE_IND	nsapi_set	NSAPI_SET_NSAPI_5
(6) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(7) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(8) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(9) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(10) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(11) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:

24-09-2001	brz	retrun NO_CARRIER
13-09-2001	brz	change behavior after deactivate_ind
30-07-2001	brz	changes for MULTI INSTANCE ACI
15-05-2001	brz	Initial

4.8.11 GACI150: context reactivation

Description:

Manuel acceptance of a network request for PDP context activation

Preamble:

GACI142a

APL	ACI	PS
(1)	SMREG_PDP_ACTIVATE_IND	
	* <===== *	
(2)	SMREG_PDP_DEACTIVATE_REQ	
	* =====> *	
(3)	PPP_TERMINATE_REQ	
	* =====> *	
MUTE (2000)		
(4)	PPP_TERMINATE_IND	
	* <===== *	
(5)	SMREG_PDP_DEACTIVATE_CNF	
	* <===== *	
(6)	UART_DTI_IND	
	(UART_DISCONNECT_DTI)	
	* <===== *	
(7)	DTI2_CONNECT_REQ	
	* =====> *	
(8)	UART_DTI_REQ	
	* =====> *	
(9)	DTI2_CONNECT_CNF	
	* <===== *	
(10)	UART_DTI_CNF	
	* <===== *	
(11)	ACI_CMD_IND	
	(msg: NO CARRIER)	
	* <===== *	
(12)	ACI_CMD_IND	
	(msg: RING)	
	* <===== *	
(13)	ACI_CMD_REQ	
	(cmd: ATZ)	
	* =====> *	
(14)	ACI_CMD_IND	
	(msg: OK)	
	* <===== *	
TIMEOUT (2000)		
(15)	ACI_CMD_IND	
	(msg: RING)	
	* <===== *	
TIMEOUT (2000)		
(16)	ACI_CMD_IND	
	(msg: RING)	
	* <===== *	
(17)	ACI_CMD_REQ	
	(cmd: ATA)	
	* =====> *	

```

(18) |          ACI_CMD_IND          |          |
      |          (msg: CONNECT)     |          |
      | * <===== *                |          |
(19) |          DTI2_DISCONNECT_REQ  |          |
      | * =====> *                |          |
(20) |          UART_DTI_IND        |          |
      |          (UART_DISCONNECT_DTI) |          |
      | * <===== *                |          |
(21) |          UART_DTI_REQ        |          |
      | * =====> *                |          |
(22) |          UART_DTI_CNF        |          |
      | * <===== *                |          |
(23) |          PPP_ESTABLISH_REQ    |          |
      | * =====> *                |          |
(24) |          PPP_DTI_CONNECTED_IND |          |
      | * <===== *                |          |
(25) |          PPP_PDP_ACTIVATE_IND |          |
      | * <===== *                |          |
(26) |          SMREG_PDP_ACTIVATE_REQ |          |
      | * =====> *                |          |
(27) |          PPP_DTI_CONNECTED_IND |          |
      | * <===== *                |          |
(28) |          SMREG_PDP_ACTIVATE_CNF |          |
      | * <===== *                |          |
(29) |          PPP_PDP_ACTIVATE_RES |          |
      | * =====> *                |          |
(30) |          PPP_ESTABLISH_CNF    |          |
      | * <===== *                |          |
MUTE (2000) |          |          |
    
```

Parametrization:

Primitive	Parameter	Value
(1) SMREG_PDP_ACTIVATE_IND	smreg_qos	SMREG_QOS_1
	smreg_ti	NUM_8
	smreg_apn	SMREG_APN_1
	pdp_type	IP_V_4
	pdp_address	PDP_ADDRESS_1
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_LOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(5) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(6) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(7) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10

(8) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(9) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(10) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(11) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(12) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(13) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_Z C_Z
(14) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(15) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(16) ACI_CMD_IND	cmd_len cmd_seq	LM_RING M_RING
(17) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_A C_A
(18) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(19) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(20) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(21) UART_DTI_REQ	dti_conn device dlci direction	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0

	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(22) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(23) PPP_ESTABLISH_REQ		
	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(24) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(25) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(26) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_min_qos	SMREG_QOS_4
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_8
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(27) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PEER
(28) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO

	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_3
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(29) PPP_PDP_ACTIVATE_RES		
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
	sdu	SDU_2
(30) PPP_ESTABLISH_CNF		
	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	UNUSED_IN_TESTCASE
	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE

History:

15-04-2002 brz Initial

4.8.12 GACI155: CGAUTO & CGANS status and test commands

Description:

- <A> CGAUTO Test command
- CGAUTO Read command. (n=0)
- <C> CGAUTO Read command. (n=1)
- <D> CGAUTO Read command. (n=2)
- <E> CGAUTO Read command. (n=3)
- <F> CGANS TEST command.

Variants:

<A>....<F>

Preamble:

- <A>GACI020
- GACI140a
- <C>GACI144
- <D>GACI140b
- <E>GACI140c
- <F>GACI020

	APL	ACI	PS
(1)			
	ACI_CMD_REQ		
	(cmd: CGAUTO?)		
	=====>		
(2)			
	ACI_CMD_IND		
	(msg: OK)		
	<=====		

Parametrization:

Primitive	Parameter	Value
-----------	-----------	-------

(1) ACI_CMD_REQ

<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGAUTO_T
<C>	cmd_len	LC_CGAUTO_R
<D>	cmd_len	LC_CGAUTO_R
<E>	cmd_len	LC_CGAUTO_R
<F>	cmd_len	LC_CGANS_T
<A>	cmd_seq	C_CGAUTO_T
	cmd_seq	C_CGAUTO_R
<C>	cmd_seq	C_CGAUTO_R
<D>	cmd_seq	C_CGAUTO_R
<E>	cmd_seq	C_CGAUTO_R
<F>	cmd_seq	C_CGANS_T

(2) ACI_CMD_IND

<A>	cmd_len	LM_CGAUTO_T
	cmd_len	LM_CGAUTO_R
<C>	cmd_len	LM_CGAUTO_R
<D>	cmd_len	LM_CGAUTO_R
<E>	cmd_len	LM_CGAUTO_R
<F>	cmd_len	LM_CGANS_T
<A>	cmd_seq	M_CGAUTO_T
	cmd_seq	M_CGAUTO_R0
<C>	cmd_seq	M_CGAUTO_R1
<D>	cmd_seq	M_CGAUTO_R2
<E>	cmd_seq	M_CGAUTO_R3
<F>	cmd_seq	M_CGANS_T

History:

24-02-2001 brz Initial

4.9 Other GPRS commands

4.9.1 GACI175: Select service for mobile originated SMS messages

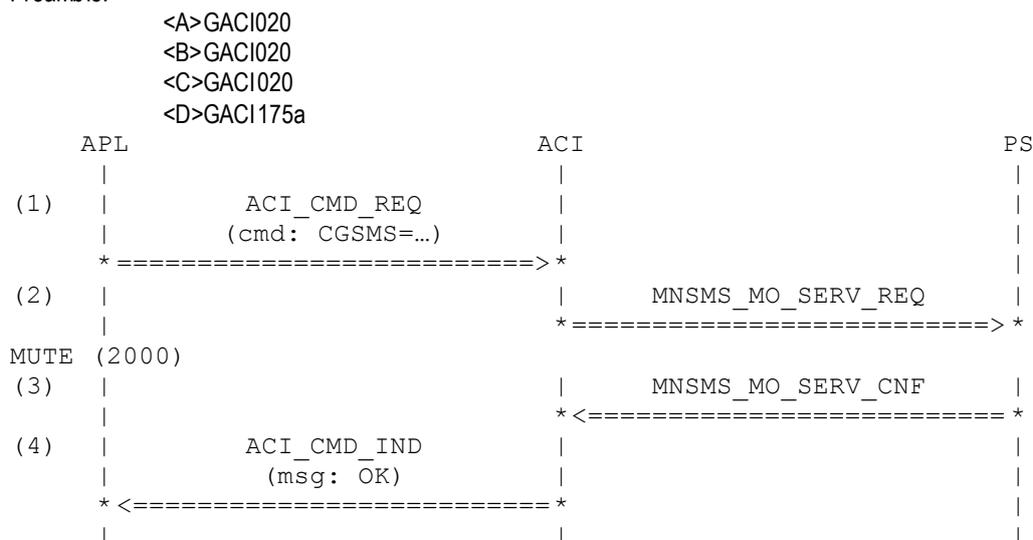
Description:

- <A> Set service to **GPRS**
- Set service to **circuit switched**
- <C> Set service to **GPRS preferred (use circuit switched if GPRS not available)**
- <D> Set service to **circuit switched preferred (use gprs if circuit switched not available)**

Variants:

<A>...<D>

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGSMS_X
	<A> cmd_seq	C_CGSMS_0
	 cmd_seq	C_CGSMS_1
	<C> cmd_seq	C_CGSMS_2
(2) MNSMS_MO_SERV_REQ	<D> cmd_seq	C_CGSMS_3
	mo_sms_serv	GPRS_SMS_GPRS_ONLY
	<A> mo_sms_serv	GPRS_SMS_CCT_ONLY
	 mo_sms_serv	GPRS_SMS_GPRS_PREF
(3) MNSMS_MO_SERV_CNF	<C> mo_sms_serv	GPRS_SMS_CCT_PREF
	mo_sms_serv	GPRS_SMS_GPRS_ONLY
	<A> mo_sms_serv	GPRS_SMS_CCT_ONLY
	 mo_sms_serv	GPRS_SMS_GPRS_PREF
(4) ACI_CMD_IND	<C> mo_sms_serv	GPRS_SMS_CCT_PREF
	cmd_len	LM_OK
	<A> cmd_seq	M_OK
	 cmd_seq	M_OK

History: 21.02.2001 brz Initial

4.9.2 GACI176: SMS servive status and test commands

Description:

- <A> Test command
- Read command. (service=0)
- <C> Read command. (service=1)
- <D> Read command. (service=2)
- <E> Read command. (service=3)

Variants:

<A>...<E>

Preamble:

```

    <A>GACI020
    <B>GACI175a
    <C>GACI175b
    <D>GACI175c
    <E>GACI175d

    APL                               ACI                               PS
    |                                 |                                 |
(1) |           ACI_CMD_REQ           |                                 |
    |           (cmd: CGSMS=...)       |                                 |
    | * =====> *                   |                                 |
(2) |           ACI_CMD_IND           |                                 |
    |           (msg: +CGSMS=...)     |                                 |
    | * <===== *                   |                                 |
(3) |           ACI_CMD_IND           |                                 |
    |           (msg: OK)             |                                 |
    | * <===== *                   |                                 |
MUTE (2000)                          |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGSMS_T
<C>	cmd_len	LC_CGSMS_R
<D>	cmd_len	LC_CGSMS_R
<E>	cmd_len	LC_CGSMS_R
<A>	cmd_seq	C_CGSMS_T
	cmd_seq	C_CGSMS_R
<C>	cmd_seq	C_CGSMS_R
<D>	cmd_seq	C_CGSMS_R
<E>	cmd_seq	C_CGSMS_R
(2) ACI_CMD_IND		
<A>	cmd_len	LM_CGSMS_T
	cmd_len	LM_CGSMS_RX
<C>	cmd_len	LM_CGSMS_RX
<D>	cmd_len	LM_CGSMS_RX
<E>	cmd_len	LM_CGSMS_RX
<A>	cmd_seq	M_CGSMS_T
	cmd_seq	M_CGSMS_R0
<C>	cmd_seq	M_CGSMS_R1
<D>	cmd_seq	M_CGSMS_R2
<E>	cmd_seq	M_CGSMS_R3
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

```

    08-10-2001      brz      add OK indication
    21-02-2001      brz      Initial
    
```

4.10 Unsolicited reporting

4.10.1 GACI180: Control the sending of unsolicited GPRS event reporting

Description:

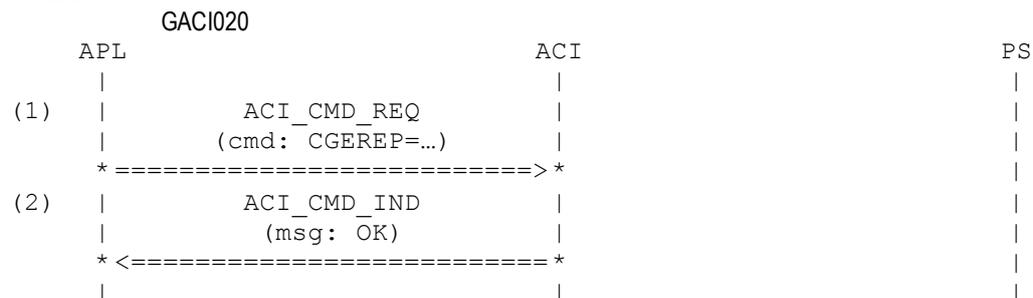
<A>

 <C>

Variants:

<A>...<D>

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	<A>	LC_CGEREP_X
		LC_CGEREP_X
	<C>	LC_CGEREP_XX
	<D>	LC_CGEREP_XX
	<A>	C_CGEREP_0
		C_CGEREP_1
	<C>	C_CGEREP_10
(2) ACI_CMD_IND	cmd_seq	C_CGEREP_11
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 21.02.2001 brz Initial

4.10.2 GACI181: Control the sending and presentation of unsolicited GPRS network registration status

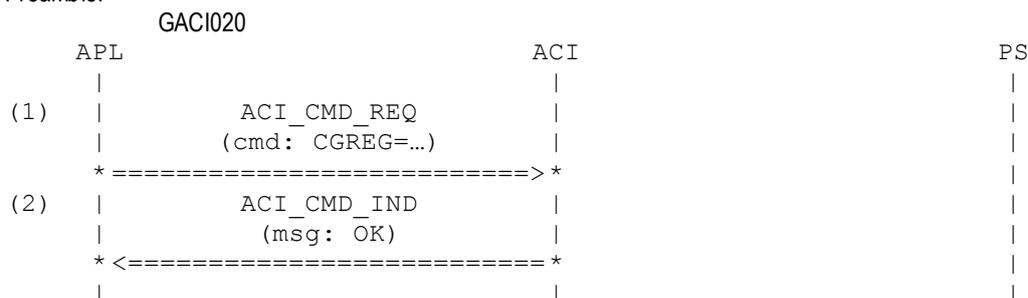
Description:

<A> Disable network registration unsolicited result code
 enable network registration unsolicited result code +CGREG: <stat>
 <C> enable network registration and location information unsolicited result code
 +CGREG: <stat>[,<lac>,<ci>]

Variants:

<A>...

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGREG_X
	<A> cmd_seq	C_CGREG_0
	 cmd_seq	C_CGREG_1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 21.02.2001 brz Initial

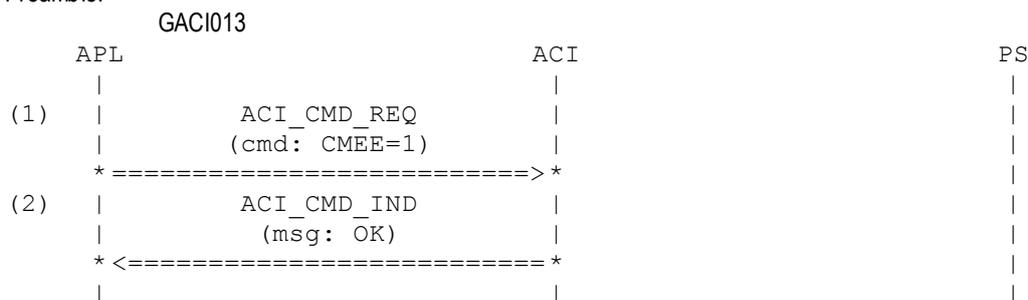
4.11 Root functions 2

4.11.1 GACI200: Setting the Error Response

Description:

The error response is set to numeric.

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CMEE_1
	cmd_seq	C_CMEE_1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

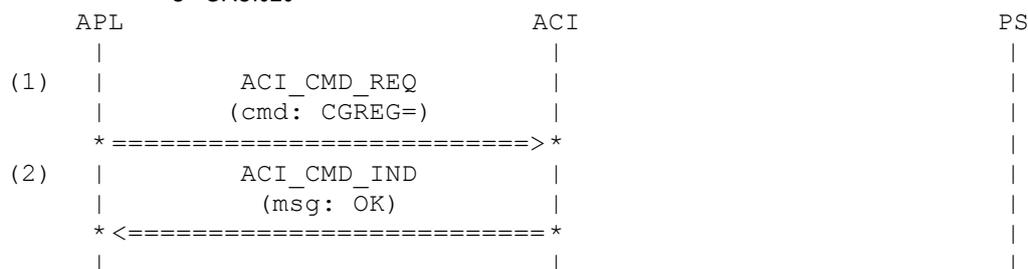
History: 15-02-2000 FK Initial

4.11.2 GACI220: Setting the GPRS network registration status

Description:

Variants: <A>...<C>

Preamble:
 <A> GACI220b
 GACI020
 <C> GACI020



Parametrization:

Primitive	Parameter	Value
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGREG_X
<A>	cmd_seq	C_CGREG_0
	cmd_seq	C_CGREG_1
<C>	cmd_seq	C_CGREG_2
(4) ACI_CMD_IND	cmd_len	LM_OK
<A>	cmd_len	LM_OK
	cmd_len	LM_OK
<C>	cmd_len	LM_OK
<A>	cmd_seq	M_OK
	cmd_seq	M_OK
<C>	cmd_seq	M_OK

History: 12-08-2001 BRZ Initial

0.1 More register test cases

4.11.3 GACI230: Manuel registration (GPRS automatic attach)

Description:

- <A> ME is in full functionality state.
- Reset ME to full functionality state. This is used to check the reset behavior of the GACI entity.
- <C> The default class is set to "CC" before.
- <D> The default class is set to "CC" after reset.

Variants:

<A>...<E>

Preamble:

<A>GACI001a
 GACI001b
 <C>GACI001d
 <D>GACI001e
 <E>GACI003a

APL	ACI	PS
COMMAND (MMI CONFIG AUTO_ATTACH)		
COMMAND (MMI CONFIG MAN_DETACH)		
(1)	ACI_CMD_REQ (cmd: +COPS=1,1,...)	
(2)		GMMREG_PLMN_MODE_REQ
(3)		GMMREG_PLMN_RES
(4)		GMMREG_ATTACH_CNF
(5)		GMMREG_PLMN_MODE_REQ
(6)	ACI_CMD_IND (msg: OK)	

Parameterization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_PLUS_COPS_MAN_NUM C_PLUS_COPS_MAN_NUM
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode GMMREG_NET_SEL_MODE_MAN	
(3) GMMREG_PLMN_RES	plmn mobile_class	PLMN_262_02 GMMREG_CLASS_BG
<A>	mobile_class	GMMREG_CLASS_BG
	mobile_class	GMMREG_CLASS_CC
<C>	mobile_class	GMMREG_CLASS_CC
<D>	mobile_class	GMMREG_CLASS_CC
<E>	mobile_class	GMMREG_CLASS_BG
<A>	attach_type	GMMREG_AT_COMB
	attach_type	GMMREG_AT_COMB
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_IMSI
<E>	attach_type	GMMREG_AT_COMB
(4) GMMREG_ATTACH_CNF	attach_type attach_type attach_type attach_type attach_type plmn lac	GMMREG_AT_COMB GMMREG_AT_COMB GMMREG_AT_IMSI GMMREG_AT_IMSI GMMREG_AT_COMB PLMN_1 NUM_1
<A>	attach_type	GMMREG_AT_COMB
	attach_type	GMMREG_AT_COMB
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_IMSI
<E>	attach_type	GMMREG_AT_COMB

	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	
(5) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_MAN	
(6) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

19-09-2001 brz Initial

4.11.4 GACI231: Manuel registration (GPRS manuel attach)

Description:

- <A> ME is in full functionality state.
- Reset ME to full functionality state. This is used to check the reset behavior of the GACI entity.
- <C> The default class is set to "CC" before.
- <D> The default class is set to "CC" after reset.

Variants:

<A>...<E>

Preamble:

- <A>GACI001a
- GACI001b
- <C>GACI001d
- <D>GACI001e
- <E>GACI003a

APL	ACI	PS
COMMAND (MMI CONFIG MAN_ATTACH)		
COMMAND (MMI CONFIG MAN_DETACH)		
(1) ACI_CMD_REQ		
(cmd: +COPS=1,1,...)		
* =====> *		
(2) GMMREG_PLMN_MODE_REQ		
* =====> *		
(3) GMMREG_PLMN_RES		
* =====> *		
(4) GMMREG_ATTACH_CNF		
* <===== *		
(5) GMMREG_PLMN_MODE_REQ		
* =====> *		
(6) ACI_CMD_IND		
(msg: OK)		
* <===== *		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT

	cmd_len	LC_PLUS_COPS_MAN_NUM
	cmd_seq	C_PLUS_COPS_MAN_NUM
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_MAN	
(3) GMMREG_PLMN_RES	plmn	PLMN_262_02
<A>	mobile_class	GMMREG_CLASS_BG
	mobile_class	GMMREG_CLASS_BG
<C>	mobile_class	GMMREG_CLASS_CC
<D>	mobile_class	GMMREG_CLASS_CC
<E>	mobile_class	GMMREG_CLASS_BG
<A>	attach_type	GMMREG_AT_IMSI
	attach_type	GMMREG_AT_IMSI
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_IMSI
<E>	attach_type	GMMREG_AT_IMSI
(4) GMMREG_ATTACH_CNF	attach_type	GMMREG_AT_IMSI
<A>	attach_type	GMMREG_AT_IMSI
	attach_type	GMMREG_AT_IMSI
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_IMSI
<E>	attach_type	GMMREG_AT_IMSI
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	
(5) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_MAN	
(6) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

19-09-2001 brz Initial

4.11.5 GACI232: Net Search (failed: mistake in testcase)

Description:

Scan for available PLMN's

Preamble:

```

GACI002a
      APL                      ACI                      PS
      |                        |                        |
COMMAND (MMI CONFIG MAN_ATTACH)
COMMAND (MMI CONFIG MAN_DETACH)
(1) |      ACI_CMD_REQ      |                        |
    |      (cmd: +COPS=?)  |                        |
    * =====> *
(2) |                        |      GMMREG_PLMN_MODE_REQ |
    |                        * =====> *
(3) |                        |      GMMREG_NET_REQ      |
    |                        * =====> *
(4) |                        |      GMMREG_PLMN_IND      |
    |                        * <===== *
(5) |                        |      GMMREG_PLMN_MODE_REQ |
    |                        * =====> *
(6) |      ACI_CMD_IND      |                        |
    |      (msg: +COPS: ...) |                        |
    * <===== *
(7) |      ACI_CMD_IND      |                        |
    |      (msg: OK)        |                        |
    * <===== *
    |                        |                        |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_COPS
	cmd_seq	C_COPS_Q
(2) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_MAN	
(3) GMMREG_NET_REQ		
(4) GMMREG_PLMN_IND	cause	MMCS_SUCCESS
	plmn	PLMN_LST
	forb_ind	FRB_PLMN_LST
	rxlevel	RXL_PLMN_LST
	gprs_status	GPRS_STATUS_LST
(5) GMMREG_PLMN_MODE_REQ	net_selection_mode	
	GMMREG_NET_SEL_MODE_AUTO	
(6) ACI_CMD_IND	cmd_len	LM_PLUS_COPS_LST
	cmd_seq	M_PLUS_COPS_LST

(7) ACI_CMD_IND

cmd_len	LM_OK
cmd_seq	M_OK

History: 22.12.98 AK Initial

4.11.6 GACI240: One PDP context activated

Description:

- <A> No PDP context is defined.
- One PDP context is defined and will be activated.
- <C> One PDP context is defined and will be activated. The requested quality of service profile is set.
- <D> One PDP context is defined and will be activated. Both quality of service profiles are set.
- <E> One PDP context is defined and will be activated. The minimum acceptable QOS profile is set and the requested quality of service profile is undefined.
- <F> With +ATD and no PDP context is defined.
- <G> With +ATD and no PDP context is defined.
- <H> With +ATD and no PDP context is defined.
- <I> With +ATD and no PDP context is defined.
- <J> With +ATD and another PDP context is defined.

Variants:

<A>...<J>

Preamble:

<A>GACI102
 GACI107
 <C>GACI110
 <D>GACI111
 <E>GACI112
 <F>GACI101
 <G>GACI103
 <H>GACI104
 <I>GACI105
 <J>GACI106

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGDATA="PPP", 1)	
	=====>	
(2)	ACI_CMD_IND (msg: CONNECT)	
	<=====	
(3)		DTI2_DISCONNECT_REQ
		=====>
(4)		UART_DTI_IND (UART_DISCONNECT_DTI)
		<=====
(5)		UART_DTI_REQ
		=====>
(6)		UART_DTI_CNF
		<=====
(7)		PPP_ESTABLISH_REQ
		=====>
(8)		PPP_DTI_CONNECTED_IND
		<=====
(9)		PPP_PDP_ACTIVATE_IND
		<=====
(10)		SMREG_PDP_ACTIVATE_REQ
		=====>
(11)		PPP_DTI_CONNECTED_IND
		<=====
(12)		SMREG_PDP_ACTIVATE_CNF
		<=====
(13)		PPP_PDP_ACTIVATE_RES
		=====>
(14)		PPP_ESTABLISH_CNF
		<=====
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
<C>	cmd_len	LC_CGDATA_PX
<D>	cmd_len	LC_CGDATA_PX
<E>	cmd_len	LC_CGDATA_PX
<F>	cmd_len	LC_GD_0
<G>	cmd_len	LC_GD_1

<H>	cmd_len	LC_GD_2
<I>	cmd_len	LC_GD_3
<J>	cmd_len	LC_GD_2
<A>	cmd_seq	C_CGDATA_P1
	cmd_seq	C_CGDATA_P1
<C>	cmd_seq	C_CGDATA_P1
<D>	cmd_seq	C_CGDATA_P1
<E>	cmd_seq	C_CGDATA_P1
<F>	cmd_seq	C_GD_0
<G>	cmd_seq	C_GD_1
<H>	cmd_seq	C_GD_2
<I>	cmd_seq	C_GD_3
<J>	cmd_seq	C_GD_2
(2) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(4) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(5) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(6) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(7) PPP_ESTABLISH_REQ	mode mru ap login accm rt mc mt mf ppp_hc ip dns1 dns2 peer_channel protocol_channel peer_direction prot_direction peer_link_id prot_link_id	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED PPP_ACCM_OFF PPP_RT_DEFAULT PPP_MC_DEFAULT PPP_MT_DEFAULT PPP_MF_DEFAULT NOT_USED NOT_USED NOT_USED UART_CHANNEL SNDP_CHANNEL PEER_DIRECTION PROT_DIRECTION UART_DTI_ID SNDP_DTI_ID
(8) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT

(9) PPP_PDP_ACTIVATE_IND

ppp_hc	PPP_HC_VJ
msid	MSID_NO
sdu	SDU

(10) SMREG_PDP_ACTIVATE_REQ

	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
<A>	smreg_qos	SMREG_QOS_0
	smreg_qos	SMREG_QOS_0
<C>	smreg_qos	SMREG_QOS_0
<D>	smreg_qos	SMREG_QOS_0
<E>	smreg_qos	SMREG_QOS_0
<F>	smreg_qos	SMREG_QOS_0
<G>	smreg_qos	SMREG_QOS_0
<H>	smreg_qos	SMREG_QOS_0
<I>	smreg_qos	SMREG_QOS_0
<J>	smreg_qos	SMREG_QOS_0
<A>	smreg_min_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
<C>	smreg_min_qos	SMREG_QOS_0
<D>	smreg_min_qos	SMREG_QOS_0
<E>	smreg_min_qos	SMREG_QOS_0
<F>	smreg_min_qos	SMREG_QOS_0
<G>	smreg_min_qos	SMREG_QOS_0
<H>	smreg_min_qos	SMREG_QOS_0
<I>	smreg_min_qos	SMREG_QOS_0
<J>	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
<A>	pdp_address	PDP_ADDRESS_0_S
	pdp_address	PDP_ADDRESS_1
<C>	pdp_address	PDP_ADDRESS_1
<D>	pdp_address	PDP_ADDRESS_1
<E>	pdp_address	PDP_ADDRESS_1
<F>	pdp_address	PDP_ADDRESS_0_S
<G>	pdp_address	PDP_ADDRESS_0_S
<H>	pdp_address	PDP_ADDRESS_0_S
<I>	pdp_address	PDP_ADDRESS_0_S
<J>	pdp_address	PDP_ADDRESS_1
<A>	smreg_apn	SMREG_APN_0_S
	smreg_apn	SMREG_APN_1
<C>	smreg_apn	SMREG_APN_1
<D>	smreg_apn	SMREG_APN_1
<E>	smreg_apn	SMREG_APN_1
<F>	smreg_apn	SMREG_APN_0_S
<G>	smreg_apn	SMREG_APN_0_S
<H>	smreg_apn	SMREG_APN_0_S
<I>	smreg_apn	SMREG_APN_0_S
<J>	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU

(11) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(12) SMREG_PDP_ACTIVATE_CNF	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
<A>	smreg_qos	SMREG_QOS_1
	smreg_qos	SMREG_QOS_1
<C>	smreg_qos	SMREG_QOS_2
<D>	smreg_qos	SMREG_QOS_2
<E>	smreg_qos	SMREG_QOS_1
<F>	smreg_qos	SMREG_QOS_1
<G>	smreg_qos	SMREG_QOS_1
<H>	smreg_qos	SMREG_QOS_1
<I>	smreg_qos	SMREG_QOS_1
<J>	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(13) PPP_PDP_ACTIVATE_RES	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
	sdu	SDU_2
(14) PPP_ESTABLISH_CNF	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	UNUSED_IN_TESTCASE
	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE

History:

30-07-2001	brz	changes for MULTI INSTANCE ACI
11-01-2001	brz	add more ATD commands
27-12-2000	brz	add ATD command
05-10-2000	brz	add UART entity
20-08-2000	brz	activation without context definition
06-08-2000	brz	add different quality of service
01-08-2000	brz	Initial

0.2 Network registration state reporting (+CGREG, %CGREG)

0.2.1 GACI250: Defining registration state reporting level (AT+CGREG=0,1 or 2; AT%CGREG=0,1 or 2)

Description:

Uses the command AT+CGREG and AT%CGREG =0, 1 or 2 to define the level of CGREG messages.

Variants:

<A> ... <F>

Preamble:

<A> GACI001a
 GACI001a
 <C> GACI001a
 <D> GACI001a
 <E> GACI001a
 <F> GACI001a

	APL	ACI	PS
(1)	 ACI_CMD_REQ (cmd: %CUNS = 1) * =====> *	 	
(2)	 ACI_CMD_IND (msg: OK) * <===== *	 	
(3)	 ACI_CMD_REQ (cmd: CGREG=) * =====> *	 	
(4)	 ACI_CMD_IND (msg: OK) * <===== *	 	

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CUNS
	cmd_seq	C_CUNS_1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	<A>	LC_CGREG_X
		LC_CGREG_X
	<C>	LC_CGREG_X
	<D>	LC_P_CGREG_X
	<E>	LC_P_CGREG_X
	<F>	LC_P_CGREG_X
	<A>	C_CGREG_0
		C_CGREG_1
	<C>	C_CGREG_2
	<D>	C_P_CGREG_0
	<E>	C_P_CGREG_1
	<F>	C_P_CGREG_2
	(4) ACI_CMD_IND	<A>
		LM_OK
<C>		LM_OK
<D>		LM_OK
<E>		LM_OK

<F>	cmd_len	LM_OK
<A>	cmd_seq	M_OK
	cmd_seq	M_OK
<C>	cmd_seq	M_OK
<D>	cmd_seq	M_OK
<E>	cmd_seq	M_OK
<F>	cmd_seq	M_OK

History: 21-08-2001 JKH Initial

0.2.2 GACI251: Attaching GPRS including CGREG reporting

Description: Attaches GPRS and reports GPRS attach state using CGREG messages.

Variants: <A> ...

Preamble:
 <A> GACI250B
 GACI250E

	APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CGATT=1)		
	=====>		
(2)	ACI_CMD_IND (cmd: CGREG=2)		
	<=====		
(3)		GMMREG_ATTACH_REQ	
		=====>	
(4)		GMMREG_ATTACH_REJ	
		<=====	
(5)		GMMREG_ATTACH_CNF	
		<=====	
(6)	ACI_CMD_IND (cmd: CGREG=1)		
	<=====		
(7)	ACI_CMD_IND (msg: OK)		
	<=====		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGATT
	cmd_seq	C_CGATT_1
(2) ACI_CMD_IND	<A>	LM_CGREG
		LM_P_CGREG

<A>	cmd_seq	M_CGREG_2
	cmd_seq	M_P_CGREG_2
(3) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(4) GMMREG_ATTACH_REJ	detach_type	GMMREG_DT_COMB
	cause	MMCS_CONGESTION
	search_running	GMMREG_SEARCH_RUNNING
(5) GMMREG_ATTACH_CNF	attach_type	GMMREG_AT_GPRS
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING
(6) ACI_CMD_IND		
<A>	cmd_len	LM_CGREG
	cmd_len	LM_P_CGREG
<A>	cmd_seq	M_CGREG_5
	cmd_seq	M_P_CGREG_5
(7) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

28-02-2000	BRZ	CGATT=1 requests an only GPRS attach
04-12-2001	JKH	Initial

0.2.3 GACI252: switching mobile off and back on, CGREG should keep its state!

Description:

Switches mobile off and on, then checks the state of CGREG.

Variants:

<A> ...

Preamble:

<A> GACI251A
 GACI251B

APL	ACI	PS
(1)	ACI_CMD_REQ (cmd: CFUN=0)	
	=====>	
(2)		SIM_SYNC_REQ
		=====>
(3)		GMMREG_DETACH_REQ
		=====>
(4)		SIM_SYNC_CNF
		<=====
(5)		GMMREG_DETACH_CNF
		<=====
(6)	ACI_CMD_IND (cmd: CGREG=0)	
	<=====	
(7)	ACI_CMD_IND (msg: OK)	
	<=====	
(8)	ACI_CMD_REQ (cmd: CFUN=1)	
	=====>	
(9)		SIM_ACTIVATE_REQ
		=====>
(10)		SIM_ACTIVATE_CNF
		<=====
(11)		SIM_MMI_INSERT_IND
		<=====
(12)		SIM_READ_REQ
		=====>
(13)		SIM_READ_CNF
		<=====
(14)		SIM_READ_REQ
		=====>
(15)		SIM_READ_CNF
		<=====
(16)	ACI_CMD_IND (msg: OK)	
	<=====	
(17)	ACI_CMD_REQ (cmd: CGATT=1)	
	=====>	
(18)		GMMREG_ATTACH_REQ
		=====>
(19)	ACI_CMD_IND (cmd: CGREG=2)	
	<=====	
(20)		GMMREG_ATTACH_REJ
		<=====
(21)		GMMREG_ATTACH_CNF
		<=====
(22)	ACI_CMD_IND (cmd: CGREG=1)	
	<=====	
(23)	ACI_CMD_IND (msg: OK)	
	<=====	

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CFUN
	cmd_seq	C_CFUN_0
(2) SIM_SYNC_REQ	synccs	SYNC_DEACTIVATE
(3) GMMREG_DETACH_REQ	detach_type	GMMREG_DT_POWER_OFF
(4) SIM_SYNC_CNF	cause	SYNC_DEACTIVATE
(5) GMMREG_DETACH_CNF	detach_type	GMMREG_DT_POWER_OFF
(6) ACI_CMD_IND	<A>	LM_CGREG
		LM_P_CGREG
	<A>	M_CGREG_0
		M_P_CGREG_0
(7) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(8) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CFUN
	cmd_seq	C_CFUN_1
(9) SIM_ACTIVATE_REQ	proc	SIM_INITIALISATION
	mmi_pro_file	MMI_AND_FDN_BDN
	stk_pro_file	NOT_USED
(10) SIM_ACTIVATE_CNF	cause	SIM_NO_ERROR
	pin_cnt	NUM_3
	puk_cnt	NUM_10
	pin2_cnt	NUM_3
	puk2_cnt	NUM_10
	ec_code	NO_EC_CODES
	pref_lang	NO_PREF_LANG
(11) SIM_MMI_INSERT_IND	func	SIM_ADN_ENABLED
	sim_serv	F_SIM_SRV_4
	imsi_field	IMSI
	pref_plmn	PREF_PLMN
	phase	PHASE_2_SIM
	access_acm	ACCESS_ALWAYS
	access_acmmax	ACCESS_ALWAYS
	access_puct	ACCESS_ALWAYS
(12) SIM_READ_REQ	source	SRC_MMI
	offset	NUM_0
	datafield	SIM_ECC
	length	NOT_PRESENT_8BIT
	max_length	NUM_0

(13) SIM_READ_CNF	datafield cause length trans_data	SIM_ECC SIM_NO_ERROR NUM_12 A_ECC_FIELD
(14) SIM_READ_REQ	source offset datafield length max_length	SRC_MMI NUM_0 SIM_AD NOT_PRESENT_8BIT NUM_0
(15) SIM_READ_CNF	datafield cause length trans_data	SIM_AD SIM_NO_ERROR NUM_4 A_AD_FIELD_CI_DISABLED
(16) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(17) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC.CGATT C.CGATT_1
(18) GMMREG_ATTACH_REQ	mobile_class attach_type service_mode t3314_ready_val t3312_standby_rau_val	GMMREG_CLASS_BG GMMREG_AT_GPRS SERVICE_MODE_FULL VAL_T3314 VAL_T3312
(19) ACI_CMD_IND	<A> <A> 	LM.CGREG LM_P.CGREG M.CGREG_2 M_P.CGREG_2
(20) GMMREG_ATTACH_REJ	detach_type cause search_running GMMREG_SEARCH_RUNNING	GMMREG_DT_COMB MMCS_CONGESTION
(21) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_COMB PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES
(22) ACI_CMD_IND	<A> <A> 	LM.CGREG LM_P.CGREG M.CGREG_5 M_P.CGREG_5

(23) ACI_CMD_IND

cmd_len	LM_OK
cmd_seq	M_OK

History:

28-02-2000	BRZ	CGATT=1 requests an only GPRS attach
04-12-2001	JKH	Initial

0.2.4 GACI253: Suspend and Resume

Description:

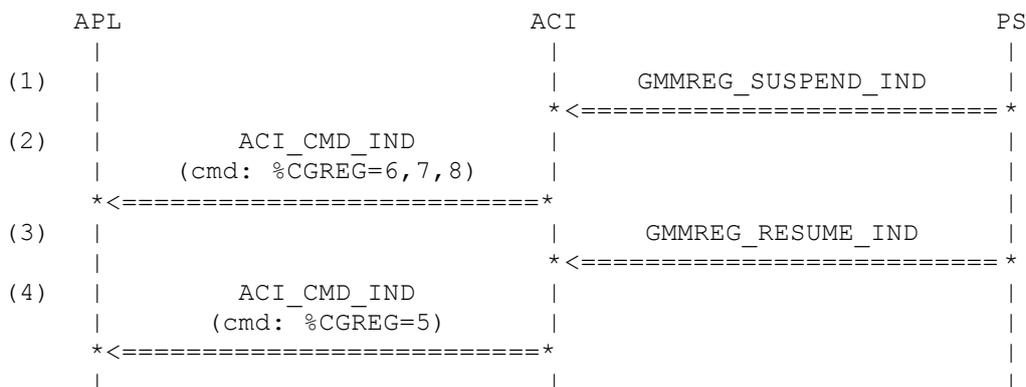
GMM suspends and resumes GPRS for different reasons

Variants:

<A> ... <C>

Preamble:

<A> GACI251B
 GACI251B
 <C> GACI251B



Parametrization:

Primitive	Parameter	Value
(1) GMMREG_SUSPEND_IND		
<A>	cell_state	
	GMMREG_LIMITED_SERVICE	
	cell_state	GMMREG_CS_CALL
<C>	cell_state	GMMREG_GPRS_NOT_SUPPORTED
(2) ACI_CMD_IND		
<A>	cmd_len	LM_P_CGREG
	cmd_len	LM_P_CGREG
<C>	cmd_len	LM_P_CGREG
<A>	cmd_seq	M_P_CGREG_6
	cmd_seq	M_P_CGREG_7
<C>	cmd_seq	M_P_CGREG_8
(3) GMMREG_RESUME_IND		
(4) ACI_CMD_IND		
<A>	cmd_len	LM_P_CGREG

	cmd_len	LM_P_CGREG
<C>	cmd_len	LM_P_CGREG
<A>	cmd_seq	M_P_CGREG_5
	cmd_seq	M_P_CGREG_5
<C>	cmd_seq	M_P_CGREG_5

History: 19-12-2001 JKH Initial

4.12 Cipherring Indicator Test Cases

4.12.1 GACI260: CI is disabled, test set command

Description:

Preamble:

```

GACI001A
  APL                               ACI                               PS
  |                                 |                                 |
(1) |          ACI_CMD_REQ          |                                 |
    |          (cmd: %CPRI=1)       |                                 |
    *=====>*                       |                                 |
(2) |          ACI_CMD_IND          |                                 |
    |          (msg: op not allowed)|                                 |
    *<=====*                         |                                 |
    |                                 |                                 |
  
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PERCENT_CPRI_S1
	cmd_seq	C_PERCENT_CPRI_S1
(2) ACI_CMD_IND	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 29.10.01 TLU Initial

4.12.2 GACI261: CI is disabled, test query command

Description:

Preamble:

```

        GACI001A
    APL                                     ACI                                     PS
    |                                     |                                     |
    (1) |          ACI_CMD_REQ             |                                     |
        |          (cmd: %CPRI?)          |                                     |
        * =====> *                       |                                     |
    (2) |          ACI_CMD_IND             |                                     |
        |          (msg: %CPRI: 2)        |                                     |
        * <===== *                         |                                     |
    (3) |          ACI_CMD_IND             |                                     |
        |          (msg: OK)              |                                     |
        * <===== *                         |                                     |
    |                                     |                                     |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PERCENT_CPRI_Q1
	cmd_seq	C_PERCENT_CPRI_Q1
(2) ACI_CMD_IND	cmd_len	LM_PERCENT_CPRI_Q1
	cmd_seq	M_PERCENT_CPRI_Q1
(3) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 29.10.01 TLU Initial

4.12.3 GACI262: CI is disabled, test test command

Description:

Preamble:

```

        GACI001A
    APL                                     ACI                                     PS
    |                                     |                                     |
    (1) |          ACI_CMD_REQ             |                                     |
        |          (cmd: %CPRI=?)        |                                     |
        * =====> *                       |                                     |
    (2) |          ACI_CMD_IND             |                                     |
        |          (msg: %CPRI: (0,1))   |                                     |
        * <===== *                         |                                     |
    (3) |          ACI_CMD_IND             |                                     |
        |          (msg: OK)              |                                     |
        * <===== *                         |                                     |
    |                                     |                                     |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PERCENT_CPRI_T1
	cmd_seq	C_PERCENT_CPRI_T1
(2) ACI_CMD_IND	cmd_len	LM_PERCENT_CPRI_T1
	cmd_seq	M_PERCENT_CPRI_T1
(3) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 29.10.01 TLU Initial

4.12.4 GACI263: CI is enabled, test set and test command

Description:

Preamble:

```

GACI001F
APL                               ACI                               PS
|                                 |                                 |
(1) |         ACI_CMD_REQ         |                                 |
    |         (cmd: %CPRI=1)      |                                 |
    * =====> *                 |                                 |
(2) |         ACI_CMD_IND         |                                 |
    |         (msg: OK)           |                                 |
    * <===== *                 |                                 |
(3) |         ACI_CMD_REQ         |                                 |
    |         (cmd: %CPRI=?)      |                                 |
    * =====> *                 |                                 |
(4) |         ACI_CMD_IND         |                                 |
    |         (msg: %CPRI: (0,1)  |                                 |
    * <===== *                 |                                 |
(5) |         ACI_CMD_IND         |                                 |
    |         (msg: OK)           |                                 |
    * <===== *                 |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PERCENT_CPRI_S1
	cmd_seq	C_PERCENT_CPRI_S1
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PERCENT_CPRI_T1
	cmd_seq	C_PERCENT_CPRI_T1

(4) ACI_CMD_IND	cmd_len cmd_seq	LM_PERCENT_CPRI_T1 M_PERCENT_CPRI_T1
(5) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History: 29.10.01 TLU Initial

4.12.5 GACI264: CI is enabled, test query command and ciphering indication

Description:

Preamble:

GACI263		ACI	PS
APL			
(1)	ACI_CMD_REQ (cmd: %CPRI?)		
	=====>		
(2)	ACI_CMD_IND (msg: %CPRI: 1)		
	<=====		
(3)	ACI_CMD_IND (msg: OK)		
	<=====		
(4)		GMMREG_CIPHERING_IND	
		<=====	
(5)	ACI_CMD_IND (msg: %CPRI: 1, 2)		
	<=====		
(6)		SIM_REMOVE_IND	
		<=====	
(7)	ACI_CMD_IND (msg: %SIMREM: 0)		
	<=====		
(8)	ACI_CMD_REQ (cmd: %CPRI=0)		
	=====>		
(9)	ACI_CMD_IND (msg: OK)		
	<=====		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_PERCENT_CPRI_Q1 C_PERCENT_CPRI_Q1
(2) ACI_CMD_IND	cmd_len cmd_seq	LM_PERCENT_CPRI_Q2 M_PERCENT_CPRI_Q2

(3) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK
(4) GMMREG_CIPHERING_IND	gsm_ciph gprs_ciph	CIPH_NA CIPH_ON
(5) ACI_CMD_IND	cmd_len cmd_seq	LM_PERCENT_CPRI_U1 M_PERCENT_CPRI_U1
(6) SIM_REMOVE_IND	cause	SIM_NO_ERROR
(7) ACI_CMD_IND	cmd_len LM_PERCENT_SIMREM_ERR_0 cmd_seq M_PERCENT_SIMREM_ERR_0	
(8) ACI_CMD_REQ	cmd_src cmd_len cmd_seq	CMD_SRC_EXT LC_PERCENT_CPRI_S2 C_PERCENT_CPRI_S2
(9) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History: 29.10.01 TLU Initial

0.3 additional test cases for context activation and deactivation

4.12.6 GACI400: One PDP context activated

Description:

No PDP context is defined.

Variants:

<A> ... <D>

Preamble:

<A>GACI113a
GACI113b
<C>GACI113c
<D>GACI113d

```

        APL                                ACI                                PS
    (1) |          ACI_CMD_REQ              |          |          |
        |          (cmd: CGDATA="PPP",1)   |          |          |
        | * =====> *                    |          |          |
    (2) |          ACI_CMD_IND              |          |          |
        |          (msg: CONNECT)          |          |          |
        | * <===== *                      |          |          |
    (3) |          DTI2_DISCONNECT_REQ      |          |          |
        |          * =====> *            |          |          |
    (4) |          UART_DTI_IND              |          |          |
        |          (UART_DISCONNECT_DTI)    |          |          |
        | * <===== *                      |          |          |
    (5) |          UART_DTI_REQ              |          |          |
        |          * =====> *            |          |          |
    (6) |          UART_DTI_CNF              |          |          |
        |          * <===== *              |          |          |
    (7) |          PPP_ESTABLISH_REQ        |          |          |
        |          * =====> *            |          |          |
    (8) |          PPP_DTI_CONNECTED_IND    |          |          |
        |          * <===== *              |          |          |
    (9) |          PPP_PDP_ACTIVATE_IND     |          |          |
        |          * <===== *              |          |          |
    (10) |          SN_SWITCH_REQ            |          |          |
        |          * =====> *            |          |          |
    (11) |          PPP_DTI_CONNECTED_IND    |          |          |
        |          * <===== *              |          |          |
    (12) |          SN_SWITCH_CNF            |          |          |
        |          * <===== *              |          |          |
    (13) |          PPP_PDP_ACTIVATE_RES    |          |          |
        |          * =====> *            |          |          |
    (14) |          PPP_ESTABLISH_CNF        |          |          |
        |          * <===== *              |          |          |
MUTE (2000) |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) DTI2_DISCONNECT_REQ	link_id	UART_DTI_ID
	cause	DTI_CAUSE_NORMAL_CLOSE
(4) UART_DTI_IND	dti_conn	UART_DISCONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI
(5) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLDCI

	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(6) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(7) PPP_ESTABLISH_REQ		
	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID
	prot_link_id	SNDCP_DTI_ID
(8) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT
(9) PPP_PDP_ACTIVATE_IND		
	ppp_hc	PPP_HC_VJ
	msid	MSID_NO
	sdu	SDU
(10) SN_SWITCH_REQ		
	nsapi	SMREG_NSAPI_5
	dti_linkid	SNDCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
(11) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PEER
(12) SN_SWITCH_CNF		
	nsapi	SMREG_NSAPI_5
(5) PPP_PDP_ACTIVATE_RES		
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	ip	IP_ADDRESS_1
<A>	sdu	SDU_2
	sdu	SDU_3
<C>	sdu	SDU_NET_DNS_1
<D>	sdu	SDU_NET_GATEW_2
(13) PPP_ESTABLISH_CNF		
	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	ip	UNUSED_IN_TESTCASE

dns1 UNUSED_IN_TESTCASE
 dns2 UNUSED_IN_TESTCASE

History:

11-12-2002 rm add variants C/D for additional network pco's
 09-10-2001 brz Initial

4.12.7 GACI405: Start a PDP context without specified use

Description:

It is possible to activate a PDP context without an application (eg WAP)

Variants:

<A>...

Preamble:

<A>GACI081a
 GACI406a

```

    APL                               ACI                               PS
    |                                 |                                 |
(1) |           ACI_CMD_REQ           |                                 |
    |           (cmd: CGACT=1)         |                                 |
    | *=====> *                     |                                 |
(2) |                                 | SMREG_PDP_ACTIVATE_REQ |
    | *=====> *                     |                                 |
(3) |                                 | SMREG_PDP_ACTIVATE_CNF |
    | *<===== *                     |                                 |
(4) |                                 | SMREG_PDP_ACTIVATE_REQ |
    | *=====> *                     |                                 |
(5) |                                 | SMREG_PDP_ACTIVATE_CNF |
    | *<===== *                     |                                 |
(6) |           ACI_CMD_IND           |                                 |
    |           (msg: OK)              |                                 |
    | *<===== *                     |                                 |
MUTE (2000)                          |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGACT_X2
	cmd_seq	C_CGACT_121
(2) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	SMREG_COMP_NEITHER_DIRECT
	hcomp	SMREG_COMP_NEITHER_DIRECT
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_min_qos	SMREG_QOS_2
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1

	dti_linkid	SNDCP_NULL_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_NEIGHBOR
	sdu	SDU_CTX_REQ_DEF
(3) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(4) SMREG_PDP_ACTIVATE_REQ		
	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_6
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
	dti_linkid	SNDCP_NULL_DTI_ID_2
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_NEIGHBOR
	sdu	SDU_CTX_REQ_DEF
(5) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_6
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2
(6) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

09-10-2001	brz	add context activation primitives
12-08-2001	brz	Initial

4.12.8 GACI406: PDP context deactivation by CGACT=0,...

Description:

Variants:

<A>...

Preamble:

<A>GACI405a
 GACI405b

	APL	ACI	PS
(1)	 ACI_CMD_REQ (cmd: CGACT=0) * =====> *	 	
(2)	 MUTE (2000)	SMREG_PDP_DEACTIVATE_REQ * =====> *	
(3)	 MUTE (2000)	SMREG_PDP_DEACTIVATE_CNF * <===== *	
(4)	 MUTE (2000)	SMREG_PDP_DEACTIVATE_CNF * <===== *	
(5)	 ACI_CMD_IND (msg: OK) * <===== *	 	
MUTE (2000)			

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGACT_0
	cmd_seq	C_CGACT_0
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_56
	smreg_local	SMREG_NONLOCAL
(3) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_6
(5) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

26-09-2001 brz Initial

4.12.9 GACI407: A failed PDP context activation

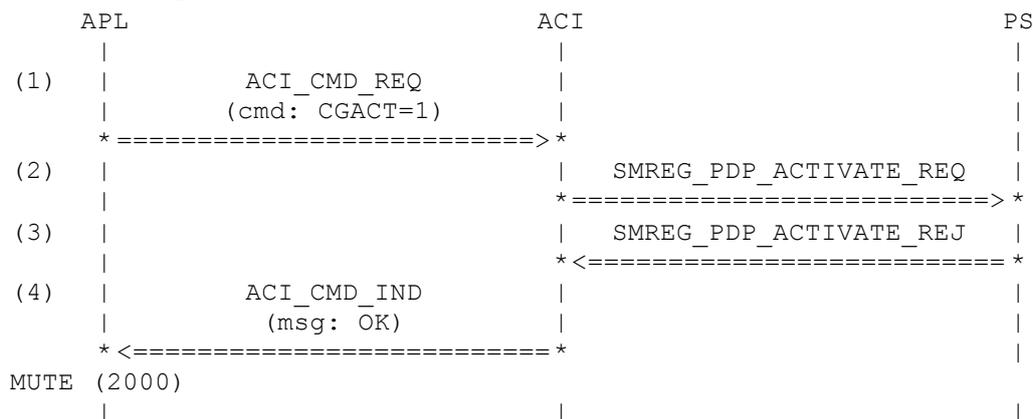
Description:

Variants:

<A>...

Preamble:

<A>GACI020
 GACI407a



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGACT_X
	cmd_seq	C_CGACT_11
(2) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	SMREG_COMP_NEITHER_DIRECT
	hcomp	SMREG_COMP_NEITHER_DIRECT
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
	dti_linkid	SNDCP_NULL_DTI_ID
	dti_neighbor	STRING_POINTER
dti_direction	SMREG_NEIGHBOR	
sdu	SDU_CTX_REQ_DEF	
(3) SMREG_PDP_ACTIVATE_REJ	smreg_cause	SMREG_RC_NETWORK_FAILURE
	smreg_nsapi	SMREG_NSAPI_5

(4) ACI_CMD_IND

cmd_len
cmd_seq

LM_ERROR
M_ERROR

History:

22-10-2001

brz

Initial

4.13 UART_DETECT_IND (GACI420-GACI449)

4.13.1 GACI420: One PDP context deactivation by PPP

Description:

PPP terminated an activated context.

Preamble:

```

GACI100b
      APL                      ACI                      PS
(1)  |                          |                      |
      |          UART_DETECTED_IND          |
      | * <===== *                |
(2)  |          SMREG_PDP_DEACTIVATE_REQ   |
      | * =====> *                |
(3)  |          PPP_TERMINATE_REQ         |
      | * =====> *                |
MUTE (2000)
(4)  |          PPP_TERMINATE_IND          |
      | * <===== *                |
(5)  |          UART_DTI_IND              |
      |          (UART_DISCONNECT_DTI)     |
      | * <===== *                |
(6)  |          SMREG_PDP_DEACTIVATE_CNF   |
      | * <===== *                |
(7)  |          DTI2_CONNECT_REQ          |
      | * =====> *                |
(8)  |          UART_DTI_REQ              |
      | * =====> *                |
(9)  |          DTI2_CONNECT_CNF          |
      | * <===== *                |
(10) |          UART_DTI_CNF              |
      | * <===== *                |
(11) |          ACI_CMD_IND                |
      |          (msg: NO CARRIER)        |
      | * <===== *                |
MUTE (2000)
      |                          |                      |
    
```

Parametrization:

Primitive	Parameter	Value
(1) UART_DETECTED_IND	device	DEVICE_1
	dci	STANDARD_DLCI
	cause	UART_DETECT_ESC
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP
(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
	dti_conn	UART_DISCONNECT_DTI
(5) UART_DTI_IND		

	device	DEVICE_1
	dci	STANDARD_DLCI
(6) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(7) DTI2_CONNECT_REQ	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_REQ	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dci	STANDARD_DLCI
	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(9) DTI2_CONNECT_CNF	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(10) UART_DTI_CNF	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dci	STANDARD_DLCI
(11) ACI_CMD_IND	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER

History:

13-08-2002 brz Initial

4.13.2 GACI421: PDP context deactivation by PPP (2 UART_DETECTED_IND)

Description:

PPP terminated an activated context. 2 UART_DETECTED_IND (DTR-off) were received.

Preamble:

```

GACI100b
      APL                               ACI                               PS
(1)  |                                 |                                 |
      |                                 |   UART_DETECTED_IND           |
      |                                 | * <===== *                   |
(2)  |                                 |   SMREG_PDP_DEACTIVATE_REQ      |
      |                                 | * =====> *                   |
(3)  |                                 |   PPP_TERMINATE_REQ           |
      |                                 | * =====> *                   |
MUTE (2000)
(4)  |                                 |   PPP_TERMINATE_IND           |
      |                                 | * <===== *                   |
(5)  |                                 |   UART_DTI_IND               |
      |                                 |   (UART_DISCONNECT_DTI)      |
      |                                 | * <===== *                   |
(6)  |                                 |   UART_DETECTED_IND           |
      |                                 | * <===== *                   |
(7)  |                                 |   SMREG_PDP_DEACTIVATE_CNF    |
      |                                 | * <===== *                   |
(8)  |                                 |   DTI2_CONNECT_REQ           |
      |                                 | * =====> *                   |
(9)  |                                 |   UART_DTI_REQ               |
      |                                 | * =====> *                   |
(10) |                                 |   DTI2_CONNECT_CNF           |
      |                                 | * <===== *                   |
(11) |                                 |   UART_DTI_CNF               |
      |                                 | * <===== *                   |
(12) |                                 |                                 |
      |   ACI_CMD_IND             |                                 |
      |   (msg: NO CARRIER)      |                                 |
      | * <===== *                   |
MUTE (2000)
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) UART_DETECTED_IND	device	DEVICE_1
	dldci	STANDARD_DLDCI
	cause	UART_DETECT_DTR
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(3) PPP_TERMINATE_REQ	lower_layer	PPP_LOWER_LAYER_UP

(4) PPP_TERMINATE_IND	ppp_cause	PPP_TERM_OK_MMI
(5) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(6) UART_DETECTED_IND	device dlci cause	DEVICE_1 STANDARD_DLCI UART_DETECT_DTR
(7) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(8) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(9) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(10) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(11) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(12) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER

History:
 03-01-2003

tlu Initial

4.15 Protocol Configuration Options (GACI500-501)

4.15.1 GACI500: Set PCO for PDP context activation

Description:

Variants:

<A>...<C>

Preamble:

```

GACI001A
      APL                               ACI                               PS
      |                                 |                                 |
(1)  |           ACI_CMD_REQ           |                                 |
      | (cmd: ATPercCGPCO=0, ..)      |                                 |
      | *=====>*                     |                                 |
(2)  |           ACI_CMD_IND           |                                 |
      | (msg: OK)                      |                                 |
      | *<=====*                       |                                 |
      |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value	
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT	
	<A> cmd_len	LC_PERC_CGPCO_1	
	 cmd_len	LC_PERC_CGPCO_2	
	<C> cmd_len	NUM_ELEMENTS(C_PERC_CGPCO_3)	
	<A> cmd_seq	C_PERC_CGPCO_1	
	 cmd_seq	C_PERC_CGPCO_2	
	<C> cmd_seq	C_PERC_CGPCO_3	
	(2) ACI_CMD_IND	cmd_len	LM_OK
		cmd_seq	M_OK

History: 26.11.02 RM Initial

4.15.2 GACI501: Query PCO for PDP context activation

Description:

Variants:

<A>...<D>

Preamble:

```

<A> GACI500A
<B> GACI014D
<C> GACI014E
<D> GACI014F
    
```

```

    APL                               ACI                               PS
    |                                 |                                 |
(1) |           ACI_CMD_REQ           |                                 |
    |   (cmd: ATPercCGPCO=1,1)       |                                 |
    | * =====> *                   |                                 |
(2) |           ACI_CMD_IND           |                                 |
    |   (msg: %CGPCO)                |                                 |
    | * <===== *                   |                                 |
(3) |           ACI_CMD_IND           |                                 |
    |   (msg: OK)                    |                                 |
    | * <===== *                   |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value	
(1) ACI_CMD_REQ	cmd_src	NUM_2	
	cmd_len	LQ_PERC_CGPCO_1	
	cmd_seq	QUERY_PERC_CGPCO_1	
(2) ACI_CMD_IND	<A>	cmd_len NUM_ELEMENTS(M_QPERC_CGPCO_1)	
		cmd_len NUM_ELEMENTS(M_QPERC_CGPCO_2)	
	<C>	cmd_len NUM_ELEMENTS(M_QPERC_CGPCO_1)	
	<D>	cmd_len NUM_ELEMENTS(M_QPERC_CGPCO_2)	
	<A>	cmd_seq M_QPERC_CGPCO_1	
		cmd_seq M_QPERC_CGPCO_2	
	<C>	cmd_seq M_QPERC_CGPCO_1	
	<D>	cmd_seq M_QPERC_CGPCO_2	
	(3) ACI_CMD_IND	cmd_len	LM_OK
		cmd_seq	M_OK

History: 03.12.02 RM Initial

4.16 Send packet data for protocol PKTIO (GACI600-)

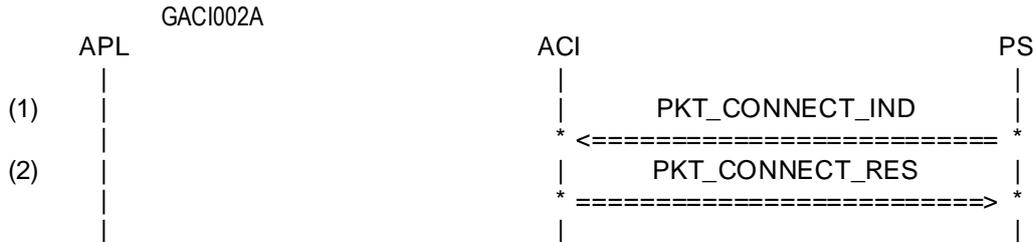
4.16.1 GACI600: Entity PKTIO registers in ACI, successfullF

Description:

Variants:

<A>...

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) PKT_CONNECT_IND		
<A>	device_no	NUM_0
	dio_dcb	DEFAULT_DCB_FROM_DIO_1
	dio_dcb	DEFAULT_DCB_FROM_DIO_2
(2) PKT_CONNECT_RES		
<A>	device_no	NUM_0
	dio_dcb	DEFAULT_DCB_FROM_ACI_1
	dio_dcb	DEFAULT_DCB_FROM_ACI_2

History: 10.01.03 RM Initial

4.16.2 GACI601: Send AT%DATA to configure the data flow for PKTIO

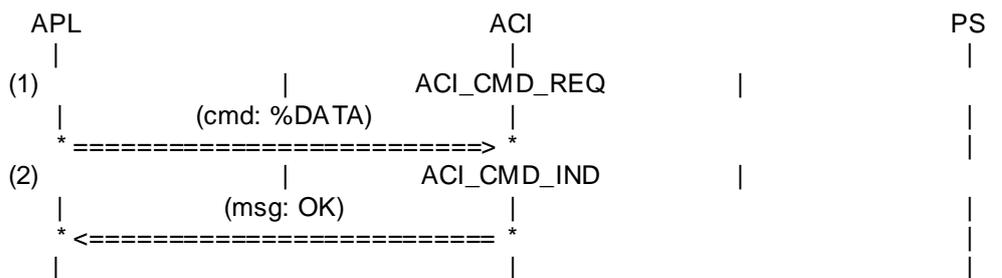
Description:

Variants:

<A>...<E>

Preamble:

<A> GACI600a
 GACI600b
 <C> GACI603b
 <D> GACI605
 <E> GACI606



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	
	NUM_ELEMENTS(C_P_DATA_DEF)	
<C>	cmd_len	
<D>	NUM_ELEMENTS(C_P_DATA_ALL)	
<E>	cmd_len	
<A>	NUM_ELEMENTS(C_P_DATA_ALL)	
<A>	cmd_seq	C_P_DATA_DEF
	cmd_seq	C_P_DATA_ALL
<C>	cmd_seq	C_P_DATA_ALL
<D>	cmd_seq	C_P_DATA_ALL
<E>	cmd_seq	C_P_DATA_ALL
(2) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History: 14.01.03 brz Initial

4.16.3 GACI602: Send AT+CGDATA and open dti connection

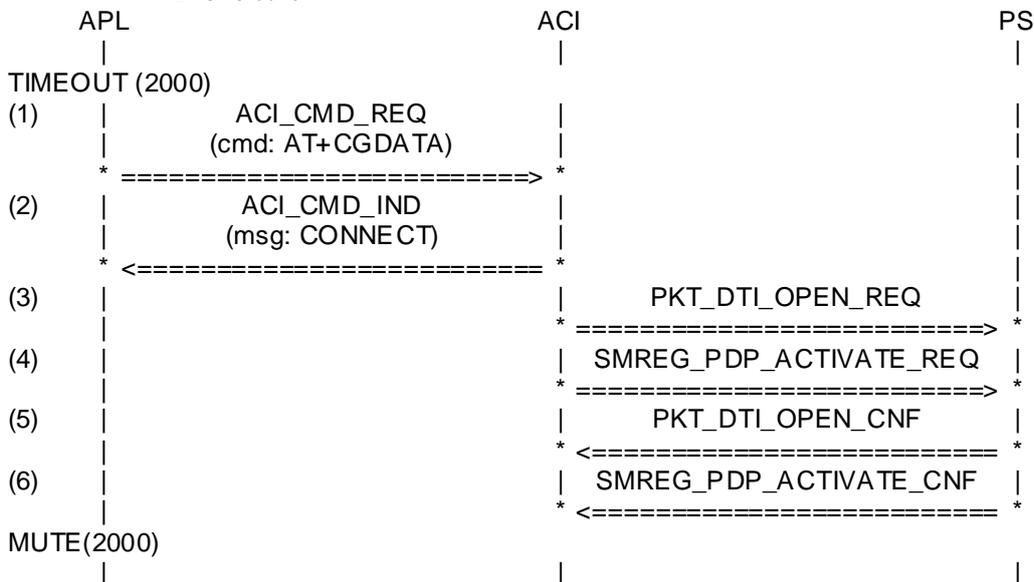
Description:

Variants:

<A>...<E>

Preamble:

<A>GACI601a
 GACI601b
 <C>GACI601c
 <D>GACI601d
 <E>GACI601e



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	
	NUM_ELEMENTS(C_PLUS_CGDATA_PKT_DEV_1)	
	cmd_seq	
	C_PLUS_CGDATA_PKT_DEV_1	
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) PKT_DTI_OPEN_REQ	device_no	NUM_0
	peer	NOT_USED
	link_id	PKT_LINK_ID
	dتي_direction	
	DTI_CHANNEL_TO_LOWER_LAYER	
(4) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0

	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
	dti_linkid	PKT_LINK_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU_CTX_REQ_DEF
(5) PKT_DTI_OPEN_CNF		
	device_no	NUM_0
	cause	PKTCS_SUCCESS
(6) SMREG_PDP_ACTIVATE_CNF		
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU_2

History: 10.01.03 RM Initial

4.16.4 GACI603: Send AT+CGDATA to open dti connection, disconnection by PKTIO

Description:

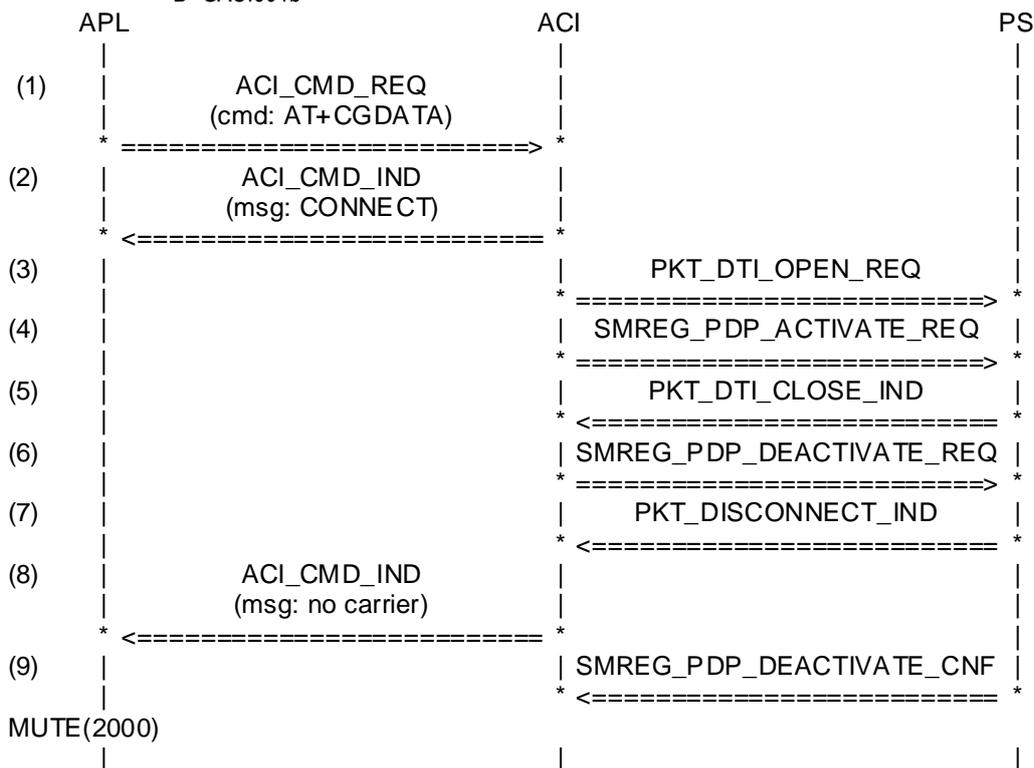
Variants:

<A>...

Preamble:

<A>GACI601a

GACI601b



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	
	NUM_ELEMENTS(C_PLUS_CGDATA_PKT_DEV_1)	
	cmd_seq	
	C_PLUS_CGDATA_PKT_DEV_1	
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) PKT_DTI_OPEN_REQ	device_no	NUM_0
	peer	NOT_USED
	link_id	PKT_LINK_ID
	dti_direction	
	DTI_CHANNEL_TO_LOWER_LAYER	
(4) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO

	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	SMREG_COMP_NEITHER_DIRECT
	hcomp	SMREG_COMP_NEITHER_DIRECT
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
	dti_linkid	PKT_LINK_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU_CTX_REQ_DEF
(5) PKT_DTI_CLOSE_IND		
	device_no	NUM_0
(6) SMREG_PDP_DEACTIVATE_REQ		
	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(7) PKT_DISCONNECT_IND		
	device_no	NUM_0
	cause	PKTCS_DISCONNECT
(8) ACI_CMD_IND		
	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER
(9) SMREG_PDP_DEACTIVATE_CNF		
	nsapi_set	NSAPI_SET_NSAPI_5

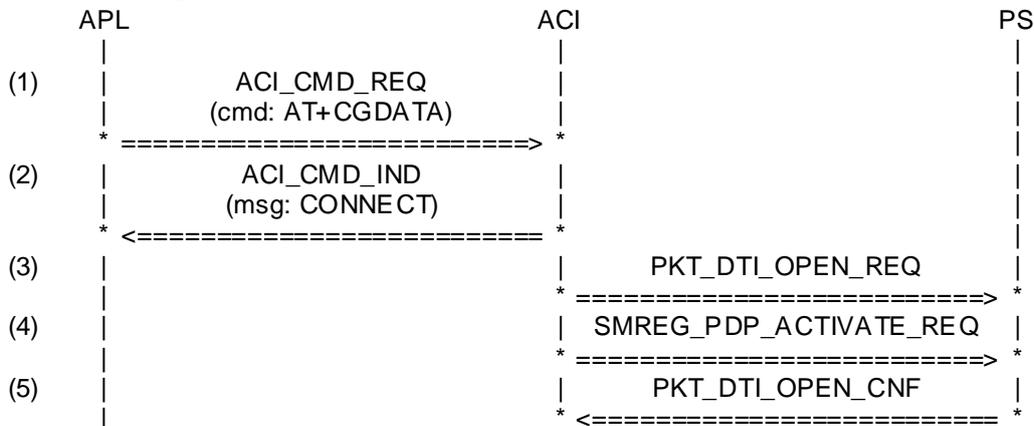
History: 27.01.03 RM Update

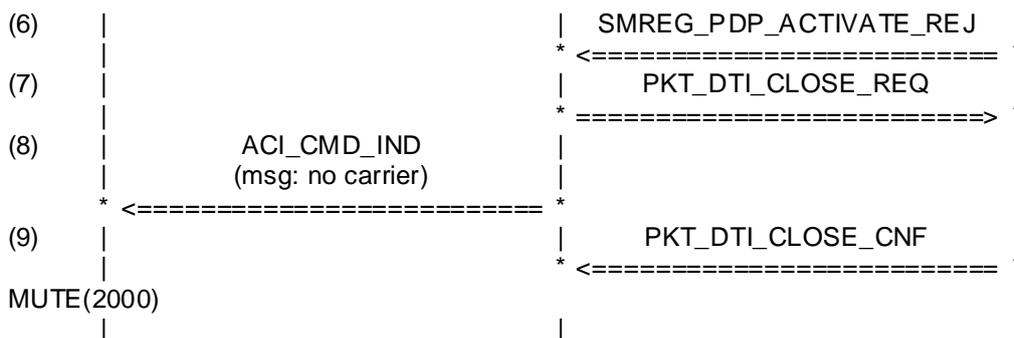
4.16.5 GACI604: Send AT+CGDATA to open dti connection, disconnection by network

Description:

Preamble:

<A>GACI601a
 GACI601b





Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	NUM_ELEMENTS(C_PLUS_CGDATA_PKT_DEV_1)
	cmd_seq	C_PLUS_CGDATA_PKT_DEV_1
(2) ACI_CMD_IND	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(3) PKT_DTI_OPEN_REQ	device_no	NUM_0
	peer	NOT_USED
	link_id	PKT_LINK_ID
	dti_direction	DTI_CHANNEL_TO_LOWER_LAYER
(4) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	SMREG_COMP_NEITHER_DIRECT
	hcomp	SMREG_COMP_NEITHER_DIRECT
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_0
	smreg_min_qos	SMREG_QOS_0
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_0_S
	smreg_apn	SMREG_APN_0_S
	dti_linkid	PKT_LINK_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
sdu	SDU_CTX_REQ_DEF	
(5) PKT_DTI_OPEN_CNF	device_no	NUM_0
	cause	PKTCS_SUCCESS
(6) SMREG_PDP_ACTIVATE_REJ	smreg_cause	SMREG_RC_NETWORK_FAILURE
	smreg_nsapi	SMREG_NSAPI_5

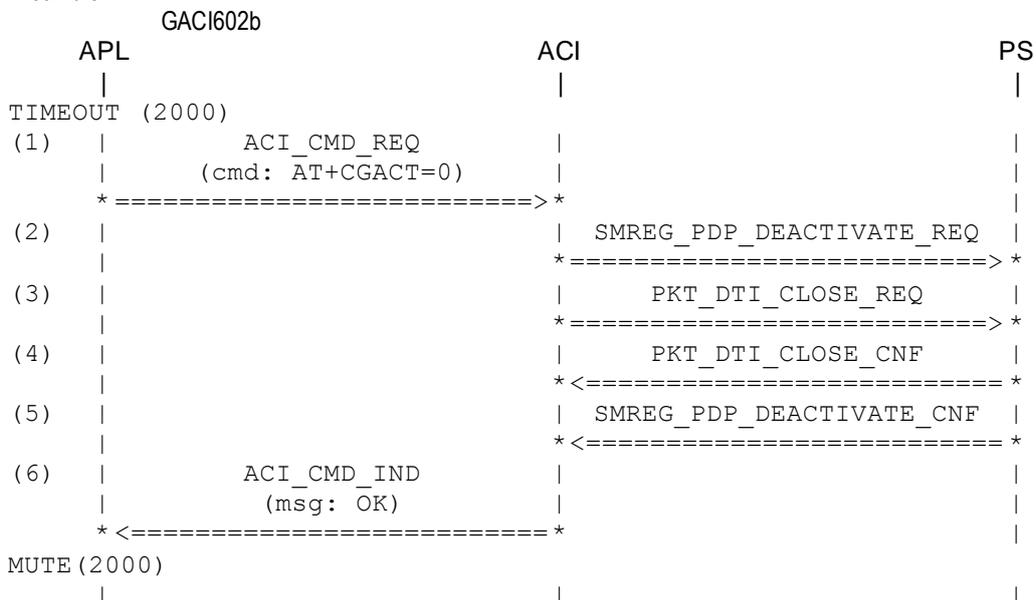
(7) PKT_DTI_CLOSE_REQ	device_no	NUM_0
(8) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(9) PKT_DTI_CLOSE_CNF	device_no	NUM_0

History: 28.01.03 RM Initial

4.16.6 GACI605: Send AT+CGDACT and close dti connection

Description:

Preamble:



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src cmd_len NUM_ELEMENTS(C_CGACT_10) cmd_seq	CMD_SRC_EXT C_CGACT_10
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(3) PKT_DTI_CLOSE_REQ	device_no	NUM_0
(4) PKT_DTI_CLOSE_CNF	device_no	NUM_0
(5) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5

(6) ACI_CMD_IND

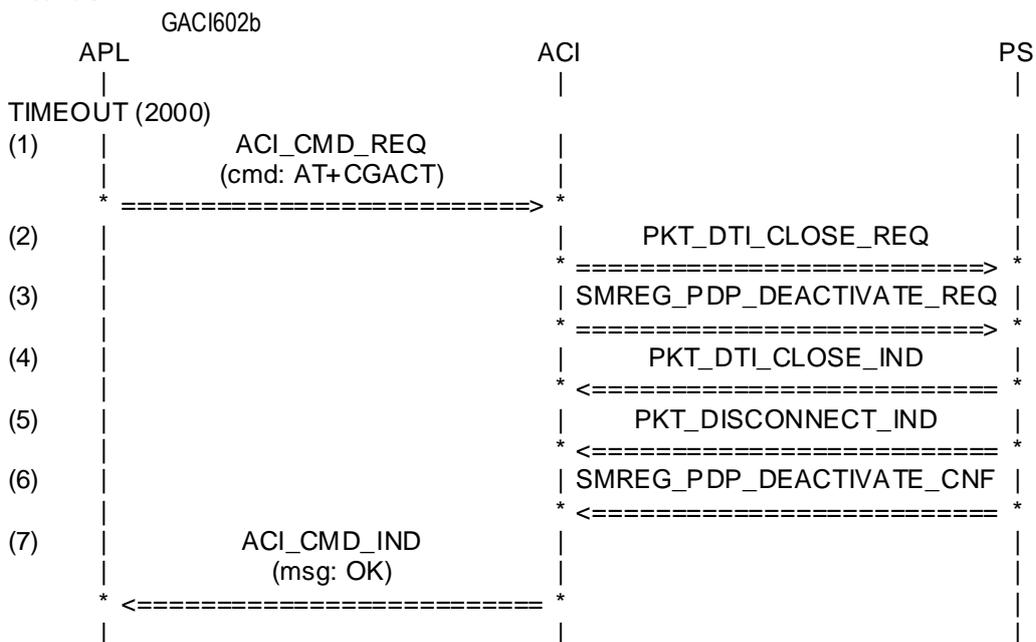
cmd_len LM_OK
 cmd_seq M_OK

History: 28.01.03 RM Update

4.16.7 GACI606: Send AT+CGDACT to close dti connection, disconnection by PKTIO

Description:

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	
	NUM_ELEMENTS(C_CGACT_10)	
	cmd_seq	C_CGACT_10
(2) PKT_DTI_CLOSE_REQ	device_no	NUM_0
(3) SMREG_PDP_DEACTIVATE_REQ	nsapi_set	NSAPI_SET_NSAPI_5
	smreg_local	SMREG_NONLOCAL
(4) PKT_DTI_CLOSE_IND	device_no	NUM_0
(5) PKT_DISCONNECT_IND	device_no	NUM_0
	cause	PKTCS_DISCONNECT
(6) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5

(7) ACI_CMD_IND

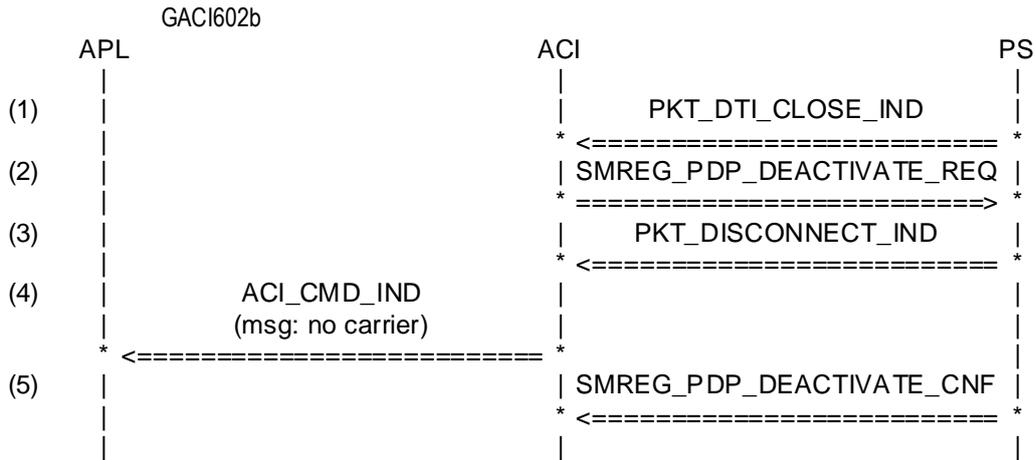
cmd_len LM_OK
 cmd_seq M_OK

History: 28.01.03 RM Update

4.16.8 GACI607: Disconnection of dti connection caused by DIO driver

Description:

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) PKT_DTI_CLOSE_IND	device_no	NUM_0
(2) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(3) PKT_DISCONNECT_IND	device_no cause	NUM_0 PKTCS_DISCONNECT
(4) ACI_CMD_IND	cmd_len cmd_seq	LM_NO_CARRIER M_NO_CARRIER
(5) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5

History: 15.11.02 RM Initial

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_CGCLASS_XX
	cmd_len	LC_CGCLASS_XX
<C>	cmd_len	LC_CGCLASS_XX
<D>	cmd_len	LC_CGCLASS_X
<E>	cmd_len	LC_CGCLASS_XX
<F>	cmd_len	LC_CGCLASS_XX
<A>	cmd_seq	C_PERCENT_CGCLASS_BX
	cmd_seq	C_PERCENT_CGCLASS_BG
<C>	cmd_seq	C_PERCENT_CGCLASS_BC
<D>	cmd_seq	C_PERCENT_CGCLASS_C
<E>	cmd_seq	C_PERCENT_CGCLASS_CC
<F>	cmd_seq	C_PERCENT_CGCLASS_CG
(2) GMMREG_ATTACH_REQ		
<A>	mobile_class	GMMREG_CLASS_BC
	mobile_class	GMMREG_CLASS_BG
<C>	mobile_class	GMMREG_CLASS_BC
<D>	mobile_class	GMMREG_CLASS_CG
<E>	mobile_class	GMMREG_CLASS_CC
<F>	mobile_class	GMMREG_CLASS_CG
<A>	attach_type	GMMREG_AT_COMB
	attach_type	GMMREG_AT_COMB
<C>	attach_type	GMMREG_AT_COMB
<D>	attach_type	GMMREG_AT_GPRS
<E>	attach_type	GMMREG_AT_IMSI
<F>	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) GMMREG_ATTACH_CNF		
<A>	attach_type	GMMREG_AT_IMSI
	attach_type	GMMREG_AT_GPRS
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_GPRS
<E>	attach_type	GMMREG_AT_IMSI
<F>	attach_type	GMMREG_AT_GPRS
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING
(4) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

22-10-2002 brz Initial

4.17.3 GACI702: change the mobile class over %CGCLASS (NMO III, attach_rej)

Description:

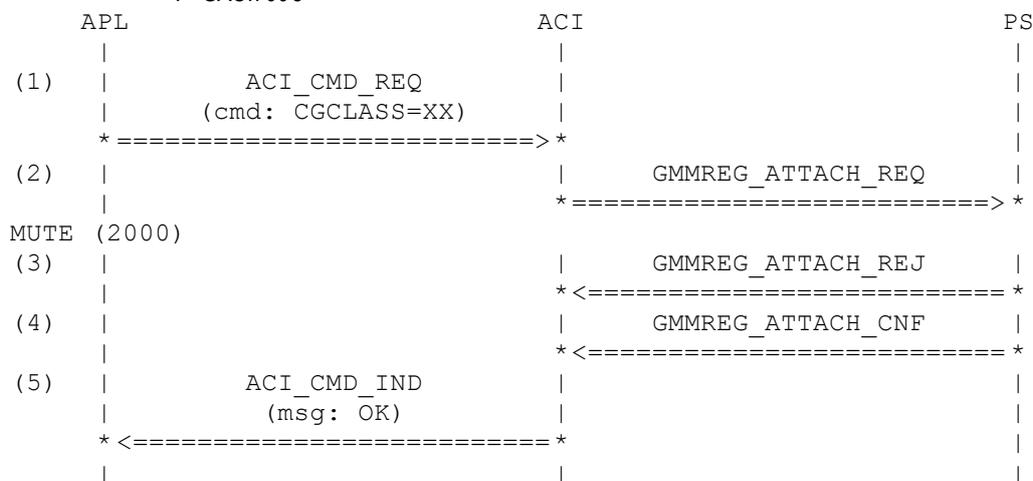
The protocol stack is attached and we change the mobile class.

Variants:

<A>...<F>

Preamble:

<A>GACI081a
 GACI700a
 <C>GACI700b
 <D>GACI700c
 <E>GACI700d
 <F>GACI700e



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
<A>	cmd_src	CMD_SRC_EXT
	cmd_len	LC.CGCLASS_XX
<C>	cmd_len	LC.CGCLASS_XX
<D>	cmd_len	LC.CGCLASS_X
<E>	cmd_len	LC.CGCLASS_XX
<F>	cmd_len	LC.CGCLASS_XX
<A>	cmd_seq	C.PERCENT.CGCLASS_BX
	cmd_seq	C.PERCENT.CGCLASS_BG
<C>	cmd_seq	C.PERCENT.CGCLASS_BC
<D>	cmd_seq	C.PERCENT.CGCLASS_C
<E>	cmd_seq	C.PERCENT.CGCLASS_CC
<F>	cmd_seq	C.PERCENT.CGCLASS_CG
(2) GMMREG_ATTACH_REQ		
<A>	mobile_class	GMMREG_CLASS_BC
	mobile_class	GMMREG_CLASS_BG
<C>	mobile_class	GMMREG_CLASS_BC
<D>	mobile_class	GMMREG_CLASS_CG
<E>	mobile_class	GMMREG_CLASS_CC
<F>	mobile_class	GMMREG_CLASS_CG

<A>	attach_type	GMMREG_AT_COMB
	attach_type	GMMREG_AT_COMB
<C>	attach_type	GMMREG_AT_COMB
<D>	attach_type	GMMREG_AT_GPRS
<E>	attach_type	GMMREG_AT_IMSI
<F>	attach_type	GMMREG_AT_GPRS
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
 (3) GMMREG_ATTACH_REJ		
	detach_type	GMMREG_DT_COMB
	cause	GMMCS_IMSI_UNKNOWN
	search_running	
	GMMREG_SEARCH_RUNNING	
 (4) GMMREG_ATTACH_CNF		
<A>	attach_type	GMMREG_AT_IMSI
	attach_type	GMMREG_AT_GPRS
<C>	attach_type	GMMREG_AT_IMSI
<D>	attach_type	GMMREG_AT_GPRS
<E>	attach_type	GMMREG_AT_IMSI
<F>	attach_type	GMMREG_AT_GPRS
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	
 (5) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

22-10-2002 brz Initial

4.17.4 GACI709: Class status commands

Description:

Read mobile class.

Variants:

<A>....<L>

<G>	M_PERCENT_CGCLASS_RCG cmd_seq	
<H>	M_PERCENT_CGCLASS_RBXBC cmd_seq	
<I>	M_PERCENT_CGCLASS_RBG cmd_seq	
<J>	M_PERCENT_CGCLASS_RBC cmd_seq	M_PERCENT_CGCLASS_RC
<K>	M_PERCENT_CGCLASS_RCC cmd_seq	
<L>	M_PERCENT_CGCLASS_RCG cmd_seq	
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 22-10-2002 brz Initial

4.17.5 GACI710: One PDP context activated

Description: No PDP context is defined.

Variants: <A>...<C>

Preamble:

<A>GACI700a
 GACI701a
 <C>GACI702a

APL	ACI	PS
(1)		
	ACI_CMD_REQ	
	(cmd: CGDATA="PPP", 1)	
	=====>	
(2)	GMMREG_ATTACH_REQ	
	=====>	
(3)	GMMREG_ATTACH_CNF	
	<=====	
(4)	ACI_CMD_IND	
	(msg: CONNECT)	
	<=====	
(5)	DTI2_DISCONNECT_REQ	
	=====>	
(6)	UART_DTI_IND	
	(UART_DISCONNECT_DTI)	
	<=====	
(7)	UART_DTI_REQ	
	=====>	
(8)	UART_DTI_CNF	
	<=====	
(9)	PPP_ESTABLISH_REQ	
	=====>	
(10)	PPP_DTI_CONNECTED_IND	
	<=====	
(11)	PPP_PDP_ACTIVATE_IND	
	<=====	
(12)	SMREG_PDP_ACTIVATE_REQ	
	=====>	
(13)	PPP_DTI_CONNECTED_IND	
	<=====	
(14)	SMREG_PDP_ACTIVATE_CNF	
	<=====	
(15)	PPP_PDP_ACTIVATE_RES	
	=====>	
(16)	PPP_ESTABLISH_CNF	
	<=====	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGDATA_PX
	cmd_seq	C_CGDATA_P1
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312

(3) GMMREG_ATTACH_CNF	attach_type plmn lac rac cid gprs_indicator search_running GMMREG_SEARCH_NOT_RUNNING	GMMREG_AT_GPRS PLMN_1 NUM_1 NUM_1 NUM_1 GMM_GPRS_SUPP_YES
(4) ACI_CMD_IND	cmd_len cmd_seq	LM_CONNECT M_CONNECT
(5) DTI2_DISCONNECT_REQ	link_id cause DTI_CAUSE_NORMAL_CLOSE	UART_DTI_ID
(6) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCI
(7) UART_DTI_REQ	dti_conn device dlci direction link_id entity_name	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI NUM_0 UART_DTI_ID STRING_POINTER
(8) UART_DTI_CNF	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCI
(9) PPP_ESTABLISH_REQ	mode mru ap login accm rt mc mt mf ppp_hc ip dns1 dns2 peer_channel protocol_channel peer_direction prot_direction peer_link_id prot_link_id	PPP_SERVER PPP_MRU_DEFAULT PPP_AP_AUTO NOT_USED NUM_0 PPP_RT_DEFAULT PPP_MC_DEFAULT PPP_MT_DEFAULT PPP_MF_DEFAULT NOT_USED NOT_USED NOT_USED NOT_USED UART_CHANNEL SNDP_CHANNEL PEER_DIRECTION PROT_DIRECTION UART_DTI_ID SNDP_DTI_ID
(10) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PROT
(11) PPP_PDP_ACTIVATE_IND	ppp_hc	PPP_HC_VJ

	msid	MSID_NO
	sdu	SDU
(12) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_min_qos	SMREG_QOS_2
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF
	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDTCP_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_HOME
	sdu	SDU
(13) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(14) SMREG_PDP_ACTIVATE_CNF	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_2
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU
(15) PPP_PDP_ACTIVATE_RES	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	IP_ADDRESS_1
	sdu	SDU
(16) PPP_ESTABLISH_CNF	mru	PPP_MRU_DEFAULT
	ppp_hc	PPP_HC_OFF
	msid	MSID_NO
	ip	UNUSED_IN_TESTCASE
	dns1	UNUSED_IN_TESTCASE
	dns2	UNUSED_IN_TESTCASE

History: 22-10-2002 brz Initial

4.17.6 GACI715: One PDP context deactivation by PPP

Description: PPP terminated an activated context.

Variants:

<A>...<C>

Preamble:

<A>GACI710a
 GACI710b
 <C>GACI710c

APL	ACI	PS
(1)	PPP_TERMINATE_IND	
	* <===== *	
(2)	UART_DTI_IND	
	(UART_DISCONNECT_DTI)	
	* <===== *	
(3)	SMREG_PDP_DEACTIVATE_REQ	
	* =====> *	
MUTE (2000)		
(4)	SMREG_PDP_DEACTIVATE_CNF	
	* <===== *	
(5)	DTI2_CONNECT_REQ	
	* =====> *	
(6)	UART_DTI_REQ	
	* =====> *	
(7)	DTI2_CONNECT_CNF	
	* <===== *	
(8)	UART_DTI_CNF	
	* <===== *	
(9)	GMMREG_ATTACH_REQ	
	* =====> *	
(10)	ACI_CMD_IND	
	(msg: NO CARRIER)	
	* <===== *	
(11)	GMMREG_ATTACH_CNF	
	* <===== *	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) PPP_TERMINATE_IND	ppp_cause	NOT_USED
(2) UART_DTI_IND	dti_conn device dlci	UART_DISCONNECT_DTI DEVICE_1 STANDARD_DLCCI
(3) SMREG_PDP_DEACTIVATE_REQ	nsapi_set smreg_local	NSAPI_SET_NSAPI_5 SMREG_NONLOCAL
(4) SMREG_PDP_DEACTIVATE_CNF	nsapi_set	NSAPI_SET_NSAPI_5
(5) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(6) UART_DTI_REQ	dti_conn device dlci	UART_CONNECT_DTI DEVICE_1 STANDARD_DLCCI

	direction	NUM_0
	link_id	UART_DTI_ID
	entity_name	STRING_POINTER
(7) DTI2_CONNECT_CNF		
	link_id	UART_DTI_ID
	version	DTI_VERSION_10
(8) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	DEVICE_1
	dldci	STANDARD_DLCI
(9) GMMREG_ATTACH_REQ		
	mobile_class	GMMREG_CLASS_BC
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(10) ACI_CMD_IND		
	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER
(11) GMMREG_ATTACH_CNF		
	attach_type	GMMREG_AT_IMSI
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING

History:

22-10-2002 brz Initial

4.17.7 GACI720: Start a PDP context without specified use

Description:

It is possible to activate a PDP context without an application

Variants:

<A>...<C>

Preamble:

```

    <A>GACI701a
    <B>GACI715b
    <C>GACI721b

    APL                               ACI                               PS
    |                                 |                                 |
    (1) |           ACI_CMD_REQ       |                                 |
        |           (cmd: CGACT=1)   |                                 |
        *=====> *                   |                                 |
    (2) |                                 |           GMMREG_ATTACH_REQ   |
        |                                 *=====> *                   |
    (3) |                                 |           GMMREG_ATTACH_CNF   |
        |                                 *<===== *                   |
    (4) |                                 |           SMREG_PDP_ACTIVATE_REQ |
        |                                 *=====> *                   |
    (5) |                                 |           SMREG_PDP_ACTIVATE_CNF |
        |                                 *<===== *                   |
    (6) |           ACI_CMD_IND       |                                 |
        |           (msg: OK)         |                                 |
        *<===== *                   |                                 |
    MUTE (2000)                       |                                 |
    |                                 |                                 |
    
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CGACT_X
	cmd_seq	C_CGACT_11
(2) GMMREG_ATTACH_REQ	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) GMMREG_ATTACH_CNF	attach_type	GMMREG_AT_GPRS
	plmn	PLMN_1
	lac	NUM_1
	rac	NUM_1
	cid	NUM_1
	gprs_indicator	GMM_GPRS_SUPP_YES
	search_running	GMMREG_SEARCH_NOT_RUNNING
	GMMREG_SEARCH_NOT_RUNNING	
(4) SMREG_PDP_ACTIVATE_REQ	direc	DIREC_MO
	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	SMREG_COMP_NEITHER_DIRECT
	hcomp	SMREG_COMP_NEITHER_DIRECT
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_1
	smreg_min_qos	SMREG_QOS_2
	smreg_nsapi	SMREG_NSAPI_5
	smreg_ti	NUM_FF

	pdp_address	PDP_ADDRESS_1
	smreg_apn	SMREG_APN_1
	dti_linkid	SNDCP_NULL_DTI_ID
	dti_neighbor	STRING_POINTER
	dti_direction	SMREG_NEIGHBOR
<A>	sdu	SDU_CTX_REQ_DEF
	sdu	SDU
<C>	sdu	SDU_CTX_REQ_DEF
(5) SMREG_PDP_ACTIVATE_CNF	ppp_hc	PPP_HC_OFF
	msid	NUM_0
	dcomp	
	SMREG_COMP_NEITHER_DIRECT	
	hcomp	
	SMREG_COMP_NEITHER_DIRECT	
	pdp_type	IP_V_4
	smreg_qos	SMREG_QOS_2
	smreg_nsapi	SMREG_NSAPI_5
	pdp_address	PDP_ADDRESS_1
	sdu	SDU
(6) ACI_CMD_IND	cmd_len	LM_OK
	cmd_seq	M_OK

History:

22-10-2002 brz Initial

4.17.8 GACI721: Start a PDP context without specified use

Description:

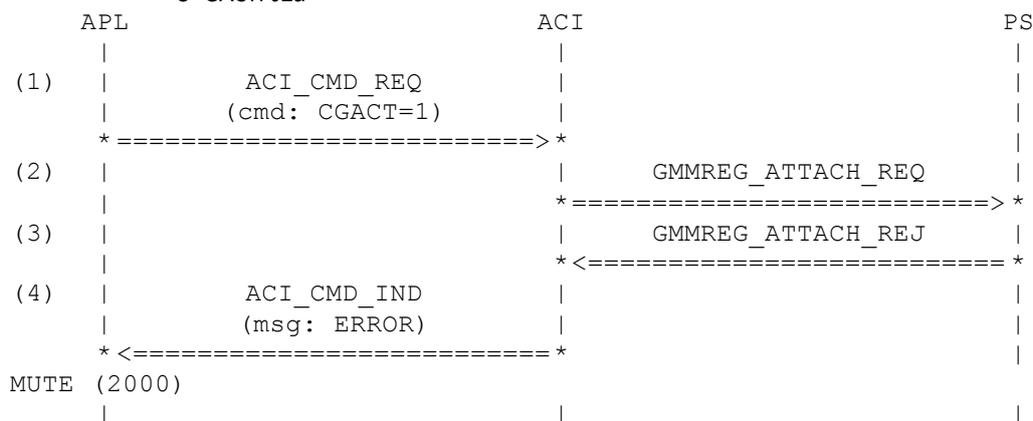
It is possible to activate a PDP context without an application (eg WAP)

Variants:

<A>...<C>

Preamble:

<A>GACI700a
 GACI701a
 <C>GACI702a



Parametrization:

<u>Primitive</u>	<u>Parameter</u>	<u>Value</u>
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT

	cmd_len	LC_CGACT_X
	cmd_seq	C_CGACT_11
(2) GMMREG_ATTACH_REQ		
	mobile_class	GMMREG_CLASS_BG
	attach_type	GMMREG_AT_COMB
	service_mode	SERVICE_MODE_FULL
	t3314_ready_val	VAL_T3314
	t3312_standby_rau_val	VAL_T3312
(3) GMMREG_ATTACH_REJ		
	detach_type	GMMREG_DT_COMB
	cause	GMMCS_IMSI_UNKNOWN
	search_running	
	GMMREG_SEARCH_NOT_RUNNING	
(4) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History:

22-10-2002 brz Initial

(3) UART_PARAMETERS_CNF	device	NUM_0
(4) UART_PARAMETERS_CNF	device	NUM_1
(5) UART_DTI_REQ	dti_conn device dlci UART_DLCI_NOT_MULTIPLEXED direction link_id entity_name	UART_CONNECT_DTI NUM_0 NUM_0 UART_DTI_ID STRING_POINTER
(6) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID DTI_VERSION_10
(7) UART_DTI_REQ	dti_conn device dlci UART_DLCI_NOT_MULTIPLEXED direction link_id entity_name	UART_CONNECT_DTI NUM_1 NUM_0 UART_DTI_ID_2 STRING_POINTER
(8) DTI2_CONNECT_REQ	link_id version	UART_DTI_ID_2 DTI_VERSION_10
(9) UART_DTI_CNF	dti_conn device dlci UART_DLCI_NOT_MULTIPLEXED	UART_CONNECT_DTI NUM_0
(10) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID DTI_VERSION_10
(11) UART_DTI_CNF	dti_conn device dlci UART_DLCI_NOT_MULTIPLEXED	UART_CONNECT_DTI NUM_1
(12) DTI2_CONNECT_CNF	link_id version	UART_DTI_ID_2 DTI_VERSION_10
(13) ACI_CMD_REQ	cmd_src cmd_len NUM_ELEMENTS(C_P_DATA_DP) cmd_seq	NUM_2 C_P_DATA_DP
(14) ACI_CMD_IND	cmd_len cmd_seq	LM_OK M_OK

History:

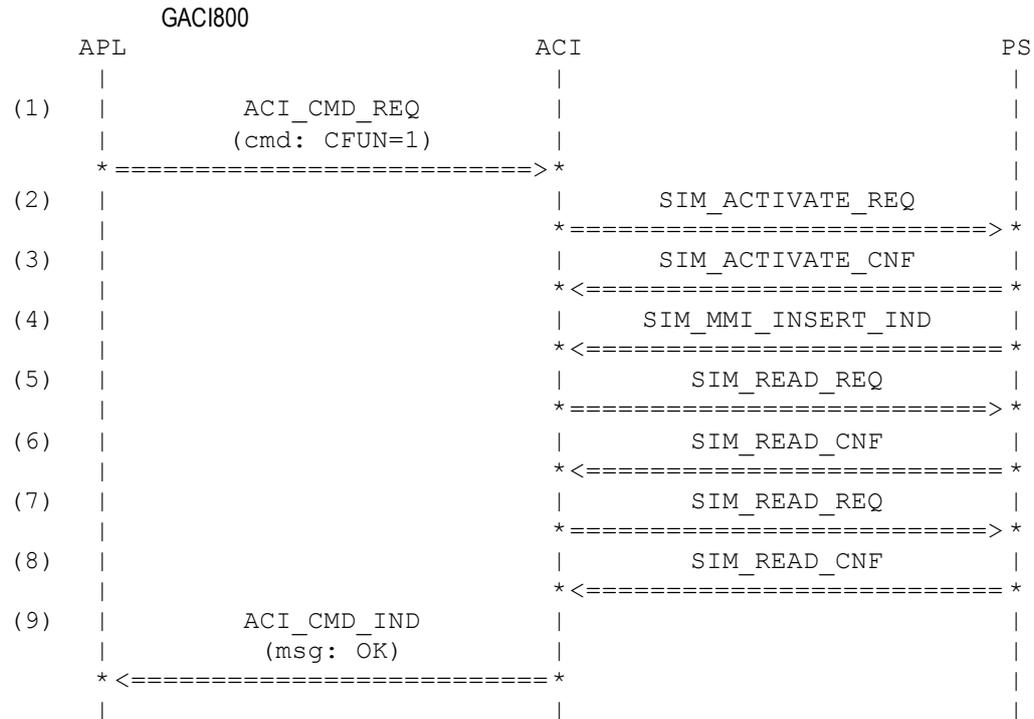
14-02-2003 tlu Initial

4.18.2 GACI801: Set ME to full functionality state, no PIN required

Description:

First command. The default class is "BG".

Preamble:



Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	NUM_2
	cmd_len	LC_CFUN
	cmd_seq	C_CFUN_1
(2) SIM_ACTIVATE_REQ	proc	SIM_INITIALISATION
	mmi_pro_file	MMI_AND_FDN_BDN
	stk_pro_file	NOT_USED
(3) SIM_ACTIVATE_CNF	cause	SIM_NO_ERROR
	pin_cnt	NUM_3
	puk_cnt	NUM_10
	pin2_cnt	NUM_3
	puk2_cnt	NUM_10
	ec_code	NO_EC_CODES
	pref_lang	NO_PREF_LANG
(4) SIM_MMI_INSERT_IND	func	SIM_ADN_ENABLED
	sim_serv	F_SIM_SRV_4
	imsi_field	IMSI

	pref_plmn	PREF_PLMN
	phase	PHASE_2_SIM
	access_acm	ACCESS_ALWAYS
	access_acmmax	ACCESS_ALWAYS
	access_puct	ACCESS_ALWAYS
(5) SIM_READ_REQ		
	source	SRC_MMI
	offset	NUM_0
	datafield	SIM_ECC
	length	NOT_PRESENT_8BIT
	max_length	NUM_0
(6) SIM_READ_CNF		
	datafield	SIM_ECC
	cause	SIM_NO_ERROR
	length	NUM_12
	trans_data	A_ECC_FIELD
(7) SIM_READ_REQ		
	source	SRC_MMI
	offset	NUM_0
	datafield	SIM_AD
	length	NOT_PRESENT_8BIT
	max_length	NUM_0
(8) SIM_READ_CNF		
	datafield	SIM_AD
	cause	SIM_NO_ERROR
	length	NUM_4
	trans_data	A_AD_FIELD_CI_DISABLED
(9) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:

14-02-2003 tu Initial

4.18.3 GACI802: Automatic registration (GPRS automatic attach)

Description:

ME is in full functionality state.

History:

10.02.2003 TLU Initial

4.18.4 GACI810: One PDP context activated

Description:

No PDP context is defined.

Preamble:

GACI802

APL	ACI	PS
(1)	ACI_CMD_REQ	
	(cmd: AT&D2)	
	=====>	
(2)	ACI_CMD_IND	
	(msg: OK)	
	<=====	
(3)	ACI_CMD_REQ	
	(cmd: ATD*99#)	
	=====>	
(4)	ACI_CMD_IND	
	(msg: CONNECT)	
	<=====	
(5)	DTI2_DISCONNECT_REQ	
	=====>	
(6)	UART_DTI_IND	
	(UART_DISCONNECT_DTI)	
	<=====	
(7)	UART_DTI_REQ	
	=====>	
(8)	UART_DTI_CNF	
	<=====	
(9)	PPP_ESTABLISH_REQ	
	=====>	
(10)	PPP_DTI_CONNECTED_IND	
	<=====	
(11)	PPP_PDP_ACTIVATE_IND	
	<=====	
(12)	SMREG_PDP_ACTIVATE_REQ	
	=====>	
(13)	PPP_DTI_CONNECTED_IND	
	<=====	
(14)	SMREG_PDP_ACTIVATE_CNF	
	<=====	
(15)	PPP_PDP_ACTIVATE_RES	
	=====>	
(16)	PPP_ESTABLISH_CNF	
	<=====	
MUTE (2000)		

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	NUM_2

	cmd_len	LC_AND_D2
	cmd_seq	C_AND_D2
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ		
	cmd_src	NUM_2
	cmd_len	LC_GD_0
	cmd_seq	C_GD_0
(4) ACI_CMD_IND		
	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT
(5) DTI2_DISCONNECT_REQ		
	link_id	UART_DTI_ID_2
	cause	
	DTI_CAUSE_NORMAL_CLOSE	
(6) UART_DTI_IND		
	dti_conn	UART_DISCONNECT_DTI
	device	NUM_1
	dldci	
	UART_DLDCI_NOT_MULTIPLEXED	
(7) UART_DTI_REQ		
	dti_conn	UART_CONNECT_DTI
	device	NUM_1
	dldci	
	UART_DLDCI_NOT_MULTIPLEXED	
	direction	NUM_0
	link_id	UART_DTI_ID_2
	entity_name	STRING_POINTER
(8) UART_DTI_CNF		
	dti_conn	UART_CONNECT_DTI
	device	NUM_1
	dldci	
	UART_DLDCI_NOT_MULTIPLEXED	
(9) PPP_ESTABLISH_REQ		
	mode	PPP_SERVER
	mru	PPP_MRU_DEFAULT
	ap	PPP_AP_AUTO
	login	NOT_USED
	accm	PPP_ACCM_OFF
	rt	PPP_RT_DEFAULT
	mc	PPP_MC_DEFAULT
	mt	PPP_MT_DEFAULT
	mf	PPP_MF_DEFAULT
	ppp_hc	NOT_USED
	ip	NOT_USED
	dns1	NOT_USED
	dns2	NOT_USED
	peer_channel	UART_CHANNEL
	protocol_channel	SNDCP_CHANNEL
	peer_direction	PEER_DIRECTION
	prot_direction	PROT_DIRECTION
	peer_link_id	UART_DTI_ID_2
	prot_link_id	SNDCP_DTI_ID_2
(10) PPP_DTI_CONNECTED_IND		
	connected_direction	PPP_DTI_CONN_PROT

(11) PPP_PDP_ACTIVATE_IND	ppp_hc msid sdu	PPP_HC_VJ MSID_NO SDU
(12) SMREG_PDP_ACTIVATE_REQ	direc ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_min_qos smreg_nsapi smreg_ti pdp_address smreg_apn dti_linkid dti_neighbor dti_direction sdu	DIREC_MO PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_0 SMREG_QOS_0 SMREG_NSAPI_5 NUM_FF PDP_ADDRESS_0_S SMREG_APN_0_S SNDTCP_DTI_ID_2 STRING_POINTER SMREG_HOME SDU
(13) PPP_DTI_CONNECTED_IND	connected_direction	PPP_DTI_CONN_PEER
(14) SMREG_PDP_ACTIVATE_CNF	ppp_hc msid dcomp SMREG_COMP_NEITHER_DIRECT hcomp SMREG_COMP_NEITHER_DIRECT pdp_type smreg_qos smreg_nsapi pdp_address sdu	PPP_HC_OFF MSID_NO IP_V_4 SMREG_QOS_1 SMREG_NSAPI_5 PDP_ADDRESS_1 SDU_2
(15) PPP_PDP_ACTIVATE_RES	ppp_hc msid ip sdu	PPP_HC_OFF MSID_NO IP_ADDRESS_1 SDU_2
(16) PPP_ESTABLISH_CNF	mru ppp_hc msid ip dns1 dns2	PPP_MRU_DEFAULT PPP_HC_OFF MSID_NO UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE UNUSED_IN_TESTCASE

History:

14-02-2003	tlu	Initial
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Appendices

A. Acronyms

DS-WCDMA Direct Sequence/Spread Wideband Code Division Multiple Access

B. Glossary

International Mobile Telecommunication 2000 (IMT-2000/ITU-2000) Formerly referred to as FPLMTS (Future Public Land-Mobile Telephone System), this is the ITU's specification/family of standards for 3G. This initiative provides a global infrastructure through both satellite and terrestrial systems, for fixed and mobile phone users. The family of standards is a framework comprising a mix/blend of systems providing global roaming. <URL: <http://www.imt-2000.org/>>