TEXAS INSTRUMENTS

Technical Document

GSM Fax & Data Services

Test Specification

ACIFD

Document Number:	8411.417.98.100
Version:	0.2
Status:	Draft
Approval Authority:	
Creation Date:	1998-Aug-08
Last changed:	2015-Mar-08 by XGUTTEFE
File Name:	acifd.doc

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Change History

Date	Changed by	Approved by	Version	Status	Notes
1998-Aug-08	AK		0.1		1
2003-May-12	XGUTTEFE		0.2	Draft	

Notes:

1. Initial version

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1.1 References

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       (CCITT-T.4, 1984)
[2]   ITU-T Recommendation T.30; Series T: Terminal equipments and protocols for telematic services;
       Procedures for document facsimile transmission in the general switched
       telephone network;
       (ITU-T.30, 1996)
[3]   ITU-T Recommendation T.31; Terminals for telematic services;
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       (ITU-T.31, 1995)
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       Asynchronous facsimile DCE control - service class 2
       (ITU-T.32, 1995)
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[11]   Digital cellular telecommunications system (Phase 2);
       Mobile radio interface layer 3 specification;
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[12]   European digital cellular telecommunications system (Phase 2);
       Rate adaptation on the Mobile Station - Base Station System (MS - BSS) Interface;
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       Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS)
       interface and the Base Station System - Mobile-service Switching Centre (BSS - MSC) interface
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[14]   European digital cellular telecommunications system (Phase 2);
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       interface and the Base Station System - Mobile-service Switching Centre (BSS - MSC) interface
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[15]   European digital cellular telecommunications system (Phase 2);
       General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS);
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       Terminal Adaptation Functions (TAF) for services using asynchronous bearer capabilities;
       (GSM 7.02, September 1994, version 4.5.1)
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       Terminal Adaptation Functions (TAF) for services using synchronous bearer capabilities;
       (GSM 7.03, September 1994, version 4.5.1)

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        Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message
        Service (SMS) and Cell Broadcast Services (CBS);
        (GSM 7.05, November 1996, version 4.8.0)

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        AT command set for GSM Mobile Equipment (ME)
        (GSM 7.07, May 1996, version 4.1.0)

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        Mobile Station (MS) conformance specification;
        Part 1: Conformance specification
        (GSM 11.10-1, November 1996, version 4.17.0)

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        Mobile Station (MS) conformance specification;
        Part 2: Protocol Implementation Conformance Statement (PICS)
        proforma specification
        (GSM 11.10-2, May 1996, version 4.15.0)

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        Mobile Station (MS) conformance specification;
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        (GSM 11.10-3, November 1996, version 4.17.0)

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        (C. Bianconi, Texas Instruments, January 1998, version 1.0)

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        Specification S844
        (C. Bianconi, Texas Instruments, March 1998, version 0.1)

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        6147.300.96.100; Condat AG

[26]   Service Access Point RA
        8411.100.98.100; Condat AG

[27]   Service Access Point RLP
        8411.101.98.100; Condat AG

[28]   Service Access Point L2R
        8411.102.98.100; Condat AG

[29]   Service Access Point FAD
        8411.103.98.100; Condat AG

[30]   Service Access Point T30
        8411.104.98.100; Condat AG

[31]   Service Access Point ACI
        8411.105.98.100; Condat AG

[32]   Message Sequence Charts RLP
        8411.201.98.100; Condat AG

[33]   Message Sequence Charts L2R
        8411.202.98.100; Condat AG

[34]   Message Sequence Charts FAD
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[37]   Proposal for Fax & Data Integration; March 1998
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[39]   Test Specification L2R
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[40]   Test Specification FAD
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[41]   Test Specification T30
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[42]   Test Specification ACI
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[43]   SDL Specification RLP
         8411.501.98.100; Condat AG
[44]   SDL Specification L2R
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[46]   SDL Specification T30
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[47]   SDL Specification ACI
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[51]   Technical Documentation T30
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[52]   Technical Documentation ACI
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1.2 Abbreviations

ACI   AT Command Interpreter
AGCH   Access Grant Channel
AT   Attention sequence "AT" to indicate valid commands of the ACI

BCCH   Broadcast Control Channel
BCS   Binary Coded Signals
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
CKSN   Ciphering Key Sequence Number
CRC   Cyclic Redundancy Check

DCCH   Dedicated Control Channel
DISC   Disconnect Frame
DL   Data Link Layer
DM   Disconnected Mode Frame
DTX   Discontinuous Transmission

EA   Extension Bit Address Field
EL   Extension Bit Length Field
EMMI   Electrical Man Machine Interface
EOL   End Of Line

F   Final Bit
F&D   Fax and Data Protocol Stack
FACCH   Fast Associated Control Channel
FHO   Forced Handover

GP   Guard Period
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
ITU   International Telecommunication Union
IWF   Interworking Function

Kc   Authentication Key

L   Length Indicator
LAI   Location Area Information
LISR   Low level Interrupt Service Routine
LPD   Link Protocol Discriminator

M   More Data Bit
MCC   Mobile Country Code
MM   Mobility Management
MMI   Man Machine Interface
MNC   Mobile Network Code

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MS	Mobile Station
MSG	Message phase in the GSM 3.45 protocol

N®	Receive Number
N(S)	Send Number
NCC	National Colour Code
NECI	New Establishment Causes included

OTD	Observed Time Difference

P	Poll Bit
P/F	Poll/Final Bit
PCH	Paging Channel
PCO	Point of Control and Observation
PDU	Protocol Description Unit
PL	Physical Layer
PLMN	Public Land Mobile Network

RACH	Random Access Channel
REJ	Reject Frame
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	Slow Dedicated Control Channel
SIM	Subscriber Identity Module
SMS	Short Message Service
SMSCB	Short Message Service Cell Broadcast
SS	Supplementary Services

T.4	CCITT Standardisation for Document coding of Group 3 Facsimile Apparatus
TAP	Test Application Program
TCH	Traffic Channel
TCH/F	Traffic Channel Full Rate
TCH/H	Traffic Channel Half Rate
TDMA	Time Division Multiple Access
TE	Terminal Equipment - e. g. a PC
TMSI	Temporary Mobile Subscriber Identity

UA	Unnumbered Acknowledgement Frame
UI	Unnumbered Information Frame

V(A)	Acknowledgement State Variable
V®	Receive State Variable
V(S)	Send State Variable
VPLMN	Visiting 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 fax and data transmission consists of several entities. Each entity has one ore more service access points, over which the entity provides a service for the upper entity. The entity, which is described in this document, is coloured grey in the following figure :
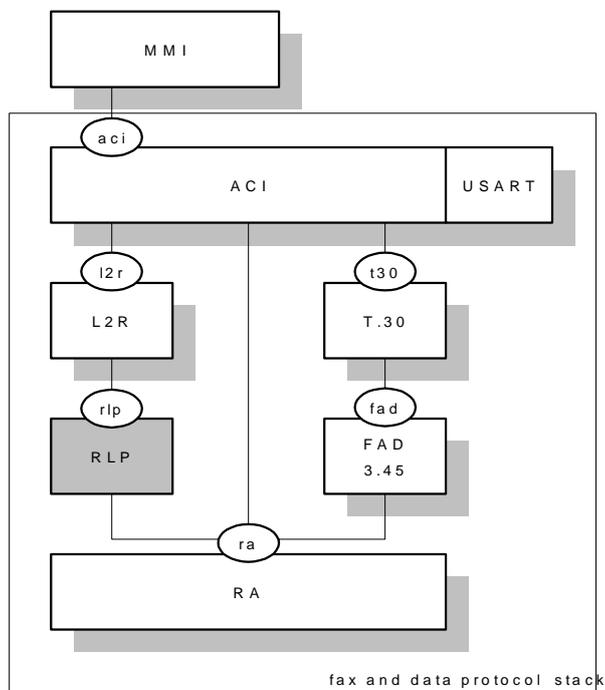
Figure 2-1: Architecture of the fax and data protocol stack

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 fax and data protocol stack are:

2.1 RA - Rate Adaptation

This entity performs an adaptation between an asynchronous or synchronous data stream with several bit rates on to the fixed bit rate used at the TCH. This is performed by the rate adaptation functions RA1' and RA0 described in GSM 04.21.

2.2 RLP - Radio Link Protocol

This entity provides a Layer 2 protocol for asynchronous reliable data transfer as specified in GSM 04.22. It includes error correction, sequence numbers and a mechanism for repeating corrupted and lost messages.

2.3 L2R - Layer 2 Relay Functionality

The L2R provides relay functions in order to adapt the character-oriented data received from the TE via USART to the bit-oriented RLP protocol.

2.4 FAD 03.45 - Fax Adaptation Protocol

The fax adaptation protocol, as specified in GSM 03.45, provides synchronisation with the BCS and MSG modems of the peer entity. It uses byte repetition in conjunction with a voting algorithm to handle corruption on the TCH data stream. The non-transparent fax protocol in accordance with GSM 03.46 is not part of this implementation.

The fax adapter enables T.30 to send BCS at 300 BPS and T.4 MSG in 2400, 4800, 7200 and 9600 BPS.

2.5 T.30 - Fax Protocol Entity

The protocol uses binary coded signals packed in HDLC frames to set up and release a connection in the message phase of the FAX transmission. This entity is specified in the ITU-T.30. The main tasks of this unit are:

*   Building the HDLC frames with CRC.
*   Performing bit stuffing/de-stuffing.
*   Executing a sequence of 5 phases: 1.) set up, 2.) pre-message procedures, 3.) transmission/reception, 4.) post message procedures, 5.) waiting for call release.

2.6 ACI - AT Command Interpreter

The ACI is specified in GSM 07.07. It is responsible for call establishment via the GSM voice protocol stack and terminal adaptation for asynchronous transparent character-oriented data transmission. The ACI is able to receive AT commands and send the replies over the USART driver to a remote PC. This makes it possible to control the voice and data protocol stack from a remote application running on a PC. The ACI also provides a unique interface for an internal MMI in the MS.

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 F&D. The driver has to be able to perform flow control.

3 Parameters

/* array declarations */

DECLARATION (A_PIN_1234)
DECLARATION (A_CLG_NUM)
DECLARATION (A_CLD_NUM)
DECLARATION (A_CLG_EMERG)
DECLARATION (A_CLD_EMERG)
DECLARATION (A_CLD_NUM_INT)
DECLARATION (A_FAC_AOC)
DECLARATION (A_FAC_BUILD_MPTY)

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```
DECLARATION (A_FAC_SPLIT_MPTY )
DECLARATION (A_FAC_HOLD_MPTY )
DECLARATION (A_FAC_HOLD_MPTY_2 )
DECLARATION (A_FAC_RETRIEVE_MPTY )
DECLARATION (A_FAC_ECT )
DECLARATION (A_FAC_CCBS )
DECLARATION (A_FAC_NTFY_CCBS )
DECLARATION (A_FAC_EMPTY )
DECLARATION (A_FAC_BUILD_MPTY_RES )
DECLARATION (A_FAC_SPLIT_MPTY_RES )
DECLARATION (A_FAC_HOLD_MPTY_RES )
DECLARATION (A_FAC_RETRIEVE_MPTY_RES )
DECLARATION (A_FAC_ECT_RES )
DECLARATION (A_FAC_CCBS_RES )
DECLARATION (A_FAC_CCBS_ERR )
DECLARATION (A_EF_PLMNSEL )
DECLARATION (A_EF_PLMNSEL_DEL )
DECLARATION (A_EF_PLMNSEL_DEL_CMP )
DECLARATION (A_EF_PLMNSEL_OVR )
DECLARATION (A_EF_PLMNSEL_NEW )
DECLARATION (A_EF_PLMNSEL_INS_CMP )
DECLARATION (A_EF_PLMNSEL_INS_1_CMP )
DECLARATION (A_EF_PLMNSEL_NEW_CMP )
DECLARATION (A_EF_PLMNSEL_CHG_CMP )
DECLARATION (A_ECC_FIELD )
DECLARATION (A_ACM_FIELD )
DECLARATION (A_ADN_REC )
DECLARATION (A_SMS_REC )
DECLARATION (A_RESP_DATA )

/* structure declarations */
DECLARATION (S_PLMN_123_45)
DECLARATION (S_PLMN_262_01)
DECLARATION (S_PLMN_262_02)
DECLARATION (S_PLMN_555_55)
DECLARATION (S_CLG_PARTY)
DECLARATION (S_CLG_EMERG)
DECLARATION (S_CLD_PARTY)
DECLARATION (S_CLD_EMERG)
DECLARATION (S_CLD_PARTY_INT)
DECLARATION (S_CLG_PARTY_SUB)
DECLARATION (S_CLG_EMERG_SUB)
DECLARATION (S_CLD_PARTY_SUB)
DECLARATION (S_CLD_EMERG_SUB)
DECLARATION (S_BS_NOT_PRESENT)
DECLARATION (S_BS_VOICE)
DECLARATION (S_BS_EMERG)
DECLARATION (S_BS_FAX)
DECLARATION (S_BS_FAX_14400)
DECLARATION (S_BS_DAT_9600_ASY_TRA)
DECLARATION (S_BS_DAT_9600_ASY_NTRA)
DECLARATION (S_BS_DEF)
DECLARATION (S_BS_DAT_14400_ASY_BTP)
DECLARATION (S_BS_DAT_14400_ASY_TRA_V34)
DECLARATION (S_HDLC_DCS)
DECLARATION (S_HDLC_DIS)
DECLARATION (S_HDLC_DIS_9600)
DECLARATION (S_DCS)
DECLARATION (S_DIS)
```

DECLARATION (S_DIS_9600)
DECLARATION (S_DTC)
DECLARATION (S_FAC_AOC)
DECLARATION (S_CHN_SPEECH)
DECLARATION (S_CHN_FULL_9600)
DECLARATION (S_CHN_FULL_4800)
DECLARATION (F_M_OK)
DECLARATION (F_M_NO_CARRIER)
DECLARATION (F_M_CONNECT)
DECLARATION (F_M_PLUS_FCO)
DECLARATION (F_AT_E0)
DECLARATION (F_RESP_TE0_CR_OK)
DECLARATION (F_C_96PLUS_CMOD_FAX)
DECLARATION (F_RESP_CBST7)
DECLARATION (F_C_ATE096PLUS_CMOD_FAX)
DECLARATION (F_M_TE0CBST7)
DECLARATION (F_RESP_A)
DECLARATION (F_RESP_O)
DECLARATION (F_C_D_DAT)
DECLARATION (F_M_D_DAT)
DECLARATION (F_C_PLUS_CHUP)
DECLARATION (F_C_ATA)
DECLARATION (F_M_TA)
DECLARATION (F_M_PLUS_FPS)
DECLARATION (F_M_PLUS_FET0)
DECLARATION (F_M_PLUS_FET2)
DECLARATION (F_Q_PLUS_FHS)
DECLARATION (F_M_PLUS_FHS)
DECLARATION (F_M_PLUS_FHS11)
DECLARATION (F_M_PLUS_FHSA1)
DECLARATION (F_C_PLUS_FCLASS_2_0)
DECLARATION (F_M_PLUS_FCLASS_2_0)
DECLARATION (F_C_PLUS_FNR)
DECLARATION (F_M_PLUS_FNR)
DECLARATION (F_M_PLUS_FCS1102)
DECLARATION (F_M_PLUS_FCS)
DECLARATION (F_C_PLUS_FIS1)
DECLARATION (F_M_PLUS_FIS1)
DECLARATION (F_C_PLUS_FIS3)
DECLARATION (F_M_PLUS_FIS3)
DECLARATION (F_M_PLUS_FIS)
DECLARATION (F_C_PLUS_FDT)
DECLARATION (F_M_PLUS_FDT)
DECLARATION (F_M_PLUS_FDT_FCS)
DECLARATION (F_M_PLUS_FCS1302)
DECLARATION (F_M_PLUS_FDT_FCS1102)
DECLARATION (F_C_PLUS_FDR)
DECLARATION (F_M_PLUS_FDR)
DECLARATION (F_M_RING)
DECLARATION (F_ICC)
DECLARATION (F_MCC_123)
DECLARATION (F_MCC_262)
DECLARATION (F_MCC_555)
DECLARATION (F_PLMN_LST)
DECLARATION (F_FRB_PLMN_LST)
DECLARATION (F_RXL_PLMN_LST)
DECLARATION (F_MNC_45)
DECLARATION (F_MNC_01)
DECLARATION (F_MNC_02)

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DECLARATION (F_MNC_55)
DECLARATION (FAX_DATA_00_FF)
DECLARATION (FAX_DATA_3)
DECLARATION (HDLC_MPS_FS)
DECLARATION (HDLC_MCF_FS)

/* Number definitions */
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_20 20
BYTE NUM_27 27
BYTE NUM_30 30
BYTE NUM_50 50
BYTE NUM_1000 1000
BYTE NUM_DEC_90 90

BYTE NUM_40 0x40
BYTE NUM_90 0x90
BYTE NUM_92 0x92
BYTE NUM_98 0x98
BYTE NUM_6F 0x6F
BYTE NUM_FF 0xFF

SHORT   UNIT_T30   0x06
SHORT   EOL_0   0x0000

SHORT   UART_GUARD_PERIOD_DEF1000   0x03E8

SHORT NUM_9600 9600
SHORT NUM_4800 4800

/* Key definitions */
BYTE KEY_0 48
BYTE KEY_1 49
BYTE KEY_2 50
BYTE KEY_3 51
BYTE KEY_4 52
BYTE KEY_5 53
BYTE KEY_6 54
BYTE KEY_7 55
BYTE KEY_8 56
BYTE KEY_9 57
BYTE KEY_A 65
BYTE KEY_B 66
BYTE KEY_C 67
BYTE KEY_D 68
BYTE KEY_STAR 42
BYTE KEY_HASH 35

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```
/*
Command:         % ACI
        set ACI mode
*/
STRING(C_MODE, "%ACI=1 " )
BYTE LC_MODE 6


/*
Message:         OK
        successful operation
*/
STRING(M_OK, "OK" )
BYTE LM_OK 2


/*
Message:         NO CARRIER
        carrier lost
*/
STRING(M_NO_CARRIER, "NO CARRIER" )
BYTE LM_NO_CARRIER 10


/*
Message:         CONNECT
        successful data call connection
*/
STRING(M_CONNECT_9600, "CONNECT 9600" )
BYTE LM_CONNECT_9600 12

STRING(M_CONNECT, "CONNECT" )
BYTE LM_CONNECT 7


/*
Message:         %TEST:12
        TEST12
*/
STRING(M_TEST12, "%TEST:12" )
BYTE LM_TEST12 8


/*
Message:         ERROR
        error result code
*/
STRING(M_ERROR, "ERROR" )
BYTE LM_ERROR 5


/*
Message:         BUSY
        busy result code
*/
STRING(M_BUSY, "BUSY" )
BYTE LM_BUSY 4


/*
Message:         +FCO
        Fax connect */
STRING(M_PLUS_FCO, "+FCO" )
BYTE LM_PLUS_FCO 4
```

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/*---"CMEE"―(CMEE_S) */

// Command:
STRING(C_CMEE_S2, "AT+CMEE=2")
BYTE LC_CMEE_S 10

/*---"+FCC"―(FCC_S) */

// Command:
BYTE LC_FCC_S 28
// Setting <VR> <DF>,<EC>,<BF> and <JP> values
STRING(C_FCC_S10, "AT+FCC= 00,0,0,0,0,0,00,0,00")
STRING(C_FCC_S11, "AT+FCC= 01,0,0,0,0,0,00,0,00")
// Setting <BR> value
STRING(C_FCC_S20, "AT+FCC= 00,1,0,0,0,0,00,0,00")
STRING(C_FCC_S21, "AT+FCC= 00,2,0,0,0,0,00,0,00")
STRING(C_FCC_S22, "AT+FCC= 00,3,0,0,0,0,00,0,00")
STRING(C_FCC_S23, "AT+FCC= 00,4,0,0,0,0,00,0,00")
STRING(C_FCC_S24, "AT+FCC= 00,5,0,0,0,0,00,0,00")
// Setting <WD> value
STRING(C_FCC_S30, "AT+FCC= 00,0,1,0,0,0,00,0,00")
STRING(C_FCC_S31, "AT+FCC= 00,0,2,0,0,0,00,0,00")
STRING(C_FCC_S32, "AT+FCC= 00,0,3,0,0,0,00,0,00")
STRING(C_FCC_S33, "AT+FCC= 00,0,4,0,0,0,00,0,00")
// Setting <LN> value
STRING(C_FCC_S40, "AT+FCC= 00,0,0,1,0,0,00,0,00")
STRING(C_FCC_S41, "AT+FCC= 00,0,0,2,0,0,00,0,00")
// Setting <ST> value
STRING(C_FCC_S50, "AT+FCC= 00,0,0,0,0,0,00,1,00")
STRING(C_FCC_S51, "AT+FCC= 00,0,0,0,0,0,00,2,00")
STRING(C_FCC_S52, "AT+FCC= 00,0,0,0,0,0,00,3,00")
STRING(C_FCC_S53, "AT+FCC= 00,0,0,0,0,0,00,4,00")
STRING(C_FCC_S54, "AT+FCC= 00,0,0,0,0,0,00,5,00")
STRING(C_FCC_S55, "AT+FCC= 00,0,0,0,0,0,00,6,00")
STRING(C_FCC_S56, "AT+FCC= 00,0,0,0,0,0,00,7,00")
//Setting illegal modes
STRING(C_FCC_S60, "AT+FCC= 80,0,0,0,0,0,00,0,00")
STRING(C_FCC_S61, "AT+FCC= 00,9,0,0,0,0,00,0,00")
STRING(C_FCC_S62, "AT+FCC= 00,0,9,0,0,0,00,0,00")
STRING(C_FCC_S63, "AT+FCC= 00,0,0,9,0,0,00,0,00")
STRING(C_FCC_S64, "AT+FCC= 00,0,0,0,1,0,00,0,00")
STRING(C_FCC_S65, "AT+FCC= 00,0,0,0,2,0,00,0,00")
STRING(C_FCC_S66, "AT+FCC= 00,0,0,0,3,0,00,0,00")
STRING(C_FCC_S67, "AT+FCC= 00,0,0,0,9,0,00,0,00")
STRING(C_FCC_S68, "AT+FCC= 00,0,0,0,0,1,00,0,00")
STRING(C_FCC_S69, "AT+FCC= 00,0,0,0,0,9,00,0,00")
STRING(C_FCC_S70, "AT+FCC= 00,0,0,0,0,0,01,0,00")
STRING(C_FCC_S71, "AT+FCC= 00,0,0,0,0,0,09,0,00")
STRING(C_FCC_S72, "AT+FCC= 00,0,0,0,0,0,00,9,00")
STRING(C_FCC_S73, "AT+FCC= 00,0,0,0,0,0,00,0,01")
STRING(C_FCC_S74, "AT+FCC= 00,0,0,0,0,0,00,0,80")
BYTE LC_FCC_S74 27

/*---"+FCC"―(FCC_T) */

// Command:
STRING(C_FCC_T, "AT+FCC=?")
BYTE LC_FCC_T 9
// Message:
STRING(M_FCC_T, "+FCC:(0-64),(0-5),(0-2),(0-2),(0),(0),(0),(0-7),(0)")

BYTE LM_FCC_T 51

/*---"+FIP"—(FIP_Q) */

// Command:
STRING(C_FIP_Q, "AT+FIP?")
BYTE LC_FIP_Q 8

/*---"+FIP"—(FIP_S) */

// Command:
STRING(C_FIP_S0, "AT+FIP")
STRING(C_FIP_S1, "AT+FIP=0")
STRING(C_FIP_S2, "AT+FIP=1")
STRING(C_FIP_S9, "AT+FIP=256")
BYTE LC_FIP_S0 7
BYTE LC_FIP_S1 9
BYTE LC_FIP_S9 11

/*---"+FIP"—(FIP_T) */

// Command:
STRING(C_FIP_T, "AT+FIP=?")
BYTE LC_FIP_T 9

/*---"+FLI"—(FLI_Q) */

// Command:
STRING(C_FLI_Q, "AT+FLI?")
BYTE LC_FLI_Q 8
// Message:
STRING(M_FLI_Q0, "+FLI:\"\"")
STRING(M_FLI_Q1, "+FLI:\"+491725559878\"")
STRING(M_FLI_Q2, "+FLI:\"+49 177 5559878\"")
BYTE LM_FLI_Q0 7
BYTE LM_FLI_Q1 20
BYTE LM_FLI_Q2 22
BYTE LM_FLI_Q3 16

/*---"+FLI"—(FLI_S) */

// Command:
STRING(C_FLI_S0, "AT+FLI=\"+491725559878\"")
STRING(C_FLI_S1, "AT+FLI=\"+49 177 5559878\"")
STRING(C_FLI_S9, "AT+FLI=\"\"")
BYTE LC_FLI_S0 23
BYTE LC_FLI_S1 24
BYTE LC_FLI_S9 14

/*---"+FLI"—(FLI_T) */

// Command:
STRING(C_FLI_T, "AT+FLI=?")
BYTE LC_FLI_T 9
// Message:
STRING(M_FLI_T, "+FLI:\"(20-7E)\"")
BYTE LM_FLI_T 14

/*---"+FLP"—(FLP_T) */

// Command:
STRING(C_FLP_T, "AT+FLP=?")

BYTE LC_FLP_T 9
// *Message:*
STRING(M_FLP_T, "+FLP:(0,1)")
BYTE LM_FLP_T 10

/*---"+FLP"—(FLP_Q) */

// *Command:*
STRING(C_FLP_Q, "AT+FLP?")
BYTE LC_FLP_Q 8
// *Message:*
STRING(M_FLP_Q0, "+FLP:0")
STRING(M_FLP_Q1, "+FLP:1")
BYTE LM_FLP_Q 6

/*---"+FLP"—(FLP_S) */

// *Command:*
STRING(C_FLP_S0, "AT+FLP=0")
STRING(C_FLP_S1, "AT+FLP=1")
STRING(C_FLP_S9, "AT+FLP=2")
BYTE LC_FLP_S 9

/*---"+FNS"—(FNS_Q) */

// *Command:*
STRING(C_FNS_Q, "AT+FNS?")
BYTE LC_FNS_Q 8
// *Message:*
STRING(M_FNS_Q0, "+FNS:\"\"")
STRING(M_FNS_Q1, "+FNS:00 10 20 30 40 50 60 70 80 90 A0 B0 C0 D0 E0 FF")
STRING(M_FNS_Q2, "+FNS:30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F")
BYTE LM_FNS_Q0 7
BYTE LM_FNS_Q1 52

/*---"+FNS"—(FNS_S) */

// *Command:*
STRING(C_FNS_S0, "AT+FNS=\"00 10 20 30 40 50 60 70 80 90 A0 B0 C0 D0 E0 FF\"")
STRING(C_FNS_S1, "AT+FNS=\"30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F\"")
STRING(C_FNS_S9, "AT+FNS=\"AD TY CA GA\"")
BYTE LC_FNS_S0 57
BYTE LC_FNS_S9 21

/*---"+FNS"—(FNS_T) */

// *Command:*
STRING(C_FNS_T, "AT+FNS=?")
BYTE LC_FNS_T 9
// *Message:*
STRING(M_FNS_T, "+FNS:35")
BYTE LM_FNS_T 7

/*---"+FPI"—(FPI_Q) */

// *Command:*
STRING(C_FPI_Q, "AT+FPI?")
BYTE LC_FPI_Q 8
// *Message:*
STRING(M_FPI_Q0, "+FPI:\"\"")

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STRING(M_FPI_Q1, "+FPI:\"+491725559878\"")
STRING(M_FPI_Q2, "+FPI:\"+49 177 5559878\"")
BYTE LM_FPI_Q0 7
BYTE LM_FPI_Q1 20
BYTE LM_FPI_Q2 22

/*---"+FPI"—(FPI_S) */

// *Command:*
STRING(C_FPI_S0, "AT+FPI=\"+491725559878\"")
STRING(C_FPI_S1, "AT+FPI=\"+49 177 5559878\"")
STRING(C_FPI_S9, "AT+FPI=\"\"")
BYTE LC_FPI_S0 23
BYTE LC_FPI_S1 24
BYTE LC_FPI_S9 14

/*---"+FPI"—(FPI_T) */

// *Command:*
STRING(C_FPI_T, "AT+FPI=?")
BYTE LC_FPI_T 9
// *Message:*
STRING(M_FPI_T, "+FPI:\"(20-7E)\"")
BYTE LM_FPI_T 14

/*
Message: +CME
        error result code
*/
STRING(M_ERR_PIN_REQ, "+CME ERROR: SIM PIN required")
BYTE LM_ERR_PIN_REQ 28
STRING(M_ERR_WRONG_PWD, "+CME ERROR: incorrect password")
BYTE LM_ERR_WRONG_PWD 30
STRING(M_ERR_SIM_FATAL, "+CME ERROR: SIM not inserted")
BYTE LM_ERR_SIM_FATAL 28
STRING(M_ERR_SIM_INV, "+CME ERROR: SIM wrong")
BYTE LM_ERR_SIM_INV 21
STRING(M_ERR_SIM_BLCK, "+CME ERROR: SIM PUK required")
BYTE LM_ERR_SIM_BLCK 28
STRING(M_ERR_SIM_FAIL, "+CME ERROR: SIM failure")
BYTE LM_ERR_SIM_FAIL 23
STRING(M_ERR_NO_NTW_SRV, "+CME ERROR: network not allowed - emergency calls only")
BYTE LM_ERR_NO_NTW_SRV 54
STRING(M_ERR_OPERATION, "+CME ERROR: operation not allowed")
BYTE LM_ERR_OPERATION 33

/*
Command: S
        set S register
*/
STRING(C_S0_3, "ATS0=3")
BYTE LC_S0_3 6

/*
Command: +CFUN
        set phone functionality
*/
STRING(C_PLUS_CFUN_FULL, "AT+CFUN=1 ")
BYTE LC_PLUS_CFUN_FULL 9

```
/*
Command:        +CEER
        extended error report
*/
STRING(C_PLUS_CEER, "AT+CEER " )
BYTE LC_PLUS_CEER 7


/*
Command:        +CMEE
        extended error report mode
*/
STRING(C_PLUS_CMEE_VERB, "AT+CMEE=2 " )
BYTE LC_PLUS_CMEE_VERB 9


/*
Command:        &F
        reset to defaults
*/
STRING(C_AND_F, "AT&F0 " )
BYTE LC_AND_F 5


/*
Command:        Z
                reset to defaults
*/
STRING(C_Z, "ATZ " )
BYTE LC_Z 3


/*
Command:        +CMOD
                mode selection
*/
STRING(C_96PLUS_CMOD_FAX, "AT+CBST=7,0,0;+CMOD=1" )
BYTE LC_96PLUS_CMOD_FAX 21


/*
Command:        +CCWA
        Call waiting indication
*/
STRING(C_PLUS_CCWA_ON, "AT+CCWA=1 " )
BYTE LC_PLUS_CCWA_ON 9


/*
Command:        D
        Dial a number
*/
STRING(C_D_DAT, "ATDT(030)39094444" )
BYTE LC_D_DAT 17
STRING(C_D_VOICE, "ATD03039094444;" )
BYTE LC_D_VOICE 15
STRING(C_D_VOICE_INT_A, "ATD0049030390944 44;" )
BYTE LC_D_VOICE_INT_A 19
STRING(C_D_VOICE_INT_B, "ATD+4903039094444;" )
BYTE LC_D_VOICE_INT_B 18
STRING(C_D_EMERG, "ATD112;" )
BYTE LC_D_EMERG 7
STRING(C_D_MDF, "ATD" )
BYTE LC_D_MDF 3
```

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```
 /*
Command:       H
        Hang up call
*/
STRING(C_H, "ATH0" )
BYTE LC_H 4


/*
Command:        +CHUP
        Hang up call
*/
STRING(C_PLUS_CHUP, "AT+CHUP" )
BYTE LC_PLUS_CHUP 7


/*
Command:        A
        accept call
*/
STRING(C_A, "ATA" )
BYTE LC_A 3


 /*
Command:        +CBST
        Set bearer services
*/
STRING(C_PLUS_CBST_14400_ASY_TRA_V34, "AT+CBST=14,0,0" )
BYTE LC_PLUS_CBST_14400_ASY_TRA_V34 14

STRING(C_PLUS_CBST_14400_ASY_BTP, "AT+CBST=43,0,2" )
BYTE LC_PLUS_CBST_14400_ASY_BTP 14

STRING(C_PLUS_CBST_96_ASY_TRA_ANA, "AT+CBST=7,0,0" )
BYTE LC_PLUS_CBST_96_ASY_TRA_ANA 13

STRING(C_PLUS_CBST_96_ASY_TRA_UDI, "AT+CBST=71,0,0" )
BYTE LC_PLUS_CBST_96_ASY_TRA_UDI 14

STRING(C_PLUS_CBST_96_ASY_NTRA_UDI, "AT+CBST=71,0,1" )
BYTE LC_PLUS_CBST_96_ASY_NTRA_UDI 14


/*
Command:        +COPS
        operator selection
*/
STRING(C_PLUS_COPS_REG, "AT+COPS=0,0 " )
BYTE LC_PLUS_COPS_REG 11
STRING(C_PLUS_COPS_QUE, "AT+COPS? " )
BYTE LC_PLUS_COPS_QUE 8
STRING(C_PLUS_COPS_TST, "AT+COPS=? " )
BYTE LC_PLUS_COPS_TST 9


/*
Command:        +CLCC
        list current calls
*/
STRING(C_PLUS_CLCC, "AT+CLCC " )
BYTE LC_PLUS_CLCC 7

/*
```

```
Command:        +CLCK
        facility lock
*/
STRING(C_PLUS_CLCK_FD_ENA, "AT+CLCK=\"FD\",1,\"1234\"" )
BYTE LC_PLUS_CLCK_FD_ENA 22
STRING(C_PLUS_CLCK_FD_DIS, "AT+CLCK=\"FD\",0,\"1234\"" )
BYTE LC_PLUS_CLCK_FD_DIS 22
STRING(C_PLUS_CLCK_FD_QUERY, "AT+CLCK=\"FD\",2" )
BYTE LC_PLUS_CLCK_FD_QUERY 14


/*
Message:        +CLCK
        faclility lock
*/
STRING(M_PLUS_CLCK_FD_ENA, "+CLCK: 1" )
BYTE LM_PLUS_CLCK_FD_ENA 8
STRING(M_PLUS_CLCK_FD_DIS, "+CLCK: 0" )
BYTE LM_PLUS_CLCK_FD_DIS 8


/*
Command:        %NRG
        network registration
*/
STRING(C_PLUS_NRG_FULL_AUTO, "AT%NRG=0,0 " )
BYTE LC_PLUS_NRG_FULL_AUTO 10
STRING(C_PLUS_NRG_FULL_MAN, "AT%NRG=1,0,1,\"D1\" " )
BYTE LC_PLUS_NRG_FULL_MAN 17
STRING(C_PLUS_NRG_LIM, "AT%NRG=,1 " )
BYTE LC_PLUS_NRG_LIM 9
STRING(C_PLUS_NRG_NO, "AT%NRG=,2 " )
BYTE LC_PLUS_NRG_NO 9
STRING(C_PLUS_NRG_SET_AUTO, "AT%NRG=0,3 " )
BYTE LC_PLUS_NRG_SET_AUTO 10
STRING(C_PLUS_NRG_SET_MAN, "AT%NRG=1,3 " )
BYTE LC_PLUS_NRG_SET_MAN 10
STRING(C_PLUS_NRG_QUERY, "AT%NRG? " )
BYTE LC_PLUS_NRG_QUERY 7


/*
Message:        %NRG
        network registration
*/
STRING(M_PLUS_NRG_AUTO_FULL_LONG_D1, "%NRG: 0,0,0,0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_NRG_AUTO_FULL_LONG_D1 26
STRING(M_PLUS_NRG_MAN_FULL_SHORT_D1, "%NRG: 0,0,1,0,\"D1\"" )
BYTE LM_PLUS_NRG_MAN_FULL_SHORT_D1 18
STRING(M_PLUS_NRG_AUTO_LIM_SHORT_NONE, "%NRG: 0,1,,1" )
BYTE LM_PLUS_NRG_AUTO_LIM_SHORT_NONE 12
STRING(M_PLUS_NRG_AUTO_NO_LONG_NONE, "%NRG: 0,2,,2" )
BYTE LM_PLUS_NRG_AUTO_NO_LONG_NONE 12


/*
Message:        +COPS
        operator selection
*/
STRING(M_PLUS_COPS_LST, "+COPS: (1,\"D1-TELEKOM\",\"D1\",\"26201\"),(1,\"D-ZWEI PRIVAT\",\"D-ZWEI\",\"26202\"),(1,\"E-Plus\",\"E-Plus\",\"26203\")" )
BYTE LM_PLUS_COPS_LST 103


/*
Command:        +COLP
```

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```
          Calling line presentation mode
*/
STRING(C_PLUS_COLP_ON, "AT+COLP=1 " )
BYTE LC_PLUS_COLP_ON 9


/*
Command:        +CLIR
        Calling line restriction mode
*/
STRING(C_PLUS_CLIR_SUP, "AT+CLIR=2 " )
BYTE LC_PLUS_CLIR_SUP 9


/*
Command:        +CHLD
        Call on hold
*/
STRING(C_PLUS_CHLD_0, "AT+CHLD=0 " )
BYTE LC_PLUS_CHLD_0 9
STRING(C_PLUS_CHLD_1, "AT+CHLD=1 " )
BYTE LC_PLUS_CHLD_1 9
STRING(C_PLUS_CHLD_2, "AT+CHLD=2 " )
BYTE LC_PLUS_CHLD_2 9
STRING(C_PLUS_CHLD_21, "AT+CHLD=21 " )
BYTE LC_PLUS_CHLD_21 10
STRING(C_PLUS_CHLD_12, "AT+CHLD=12 " )
BYTE LC_PLUS_CHLD_12 10
STRING(C_PLUS_CHLD_3, "AT+CHLD=3 " )
BYTE LC_PLUS_CHLD_3 9
STRING(C_PLUS_CHLD_4, "AT+CHLD=4 " )
BYTE LC_PLUS_CHLD_4 9
STRING(C_PLUS_CHLD_5, "AT+CHLD=5 " )
BYTE LC_PLUS_CHLD_5 9


/*
Command:        AT+FHS?
        query FAX hangup status
*/
STRING(C_PLUS_FHS, "AT+FHS?" )
BYTE LC_PLUS_FHS 7



/*
Message:        +FHS:00
        FAX hangup status
*/
STRING(M_PLUS_FHS, "+FHS:00" )
STRING(M_PLUS_FHS_11, "+FHS:11" )
STRING(M_PLUS_FHS_A1, "+FHS:A1" )
BYTE LM_PLUS_FHS 7


/*
Command:        +FCLASS
        FAX class
*/
STRING(C_PLUS_FCLASS_0, "AT+FCLASS=0" )
   BYTE LC_PLUS_FCLASS_0 11

STRING(C_PLUS_FCLASS_2_0, "AT+FCLASS=2.0" )
   BYTE LC_PLUS_FCLASS_2_0 13
```

```
STRING(C_PLUS_FNR, "AT+FNR=1,1,1,0" )
    BYTE LC_PLUS_FNR 14
```

```
/*---"+FCLASS"―(FCLASS_Q) */
//   Command:
STRING(C_FCLASS_Q, "AT+FCLASS?" )
BYTE LC_FCLASS_Q 12
//   Message:
STRING(M_FCLASS_Q0, "0" )
BYTE LM_FCLASS_Q0 1
STRING(M_FCLASS_Q2_0, "2.0" )
BYTE LM_FCLASS_Q2_0 3
STRING(M_FCLASS_Q8, "8" )
BYTE LM_FCLASS_Q8 1
```

/*---"+FCLASS"―(FCLASS_S) */

```
//   Command:
STRING(C_FCLASS_S0, "AT+FCLASS=2.0" )
STRING(C_FCLASS_S1, "AT+FCLASS=8" )
STRING(C_FCLASS_S8, "AT+FCLASS=d" )
STRING(C_FCLASS_S9, "AT+FCLASS=1.0" )
BYTE LC_FCLASS_S0 14
BYTE LC_FCLASS_S1 12
```

/*---"+FCLASS"―(FCLASS_T) */

```
//   Command:
STRING(C_FCLASS_T, "AT+FCLASS=?" )
BYTE LC_FCLASS_T 12
//   Message:
STRING(M_FCLASS_T, "0,2.0,8" )
BYTE LM_FCLASS_T 7
```

/*---"+FCS"―(FCS_Q) */

```
//   Command:
STRING(C_FCS_Q, "AT+FCS?" )
BYTE LC_FCS_Q 8
//   Message:
STRING(M_FCS_Q0, "+FCS: 0,0,0,0,0,0,0,0,0" )
STRING(M_FCS_Q1, "+FCS:0,2,1,2,0,0,0,5,0" )
BYTE LM_FCS_Q 22
/*
message:          +FCS
        +FCS:VR,BR,WD,LN,DF,EC,BF,ST, JP  current session
*/
STRING(M_PLUS_FCS, "+FCS:1,3,0,2,0,0,0,0" )
STRING(M_PLUS_FCS1102, "+FCS:1,1,0,2,0,0,0,0" )
BYTE LM_PLUS_FCS 22
```

/*---"+FIS"―(FIS_S) */

```
//   Command:
BYTE LC_FIS_S 26
```

```
// Setting <VR> <DF>,<EC>,<BF> and <JP> values
STRING(C_FIS_S01, "AT+FIS= 0,2,1,2,0,0,0,5,0" )
STRING(C_FIS_S10, "AT+FIS= 0,0,0,0,0,0,0,0,0" )
STRING(C_FIS_S11, "AT+FIS= 1,0,0,0,0,0,0,0,0" )
// Setting <BR> value
STRING(C_FIS_S20, "AT+FIS= 0,1,0,0,0,0,0,0,0" )
STRING(C_FIS_S21, "AT+FIS= 0,2,0,0,0,0,0,0,0" )
STRING(C_FIS_S22, "AT+FIS= 0,3,0,0,0,0,0,0,0" )
STRING(C_FIS_S23, "AT+FIS= 0,4,0,0,0,0,0,0,0" )
STRING(C_FIS_S24, "AT+FIS= 0,5,0,0,0,0,0,0,0" )
// Setting <WD> value
STRING(C_FIS_S30, "AT+FIS= 0,0,1,0,0,0,0,0,0" )
STRING(C_FIS_S31, "AT+FIS= 0,0,2,0,0,0,0,0,0" )
STRING(C_FIS_S32, "AT+FIS= 0,0,3,0,0,0,0,0,0" )
STRING(C_FIS_S33, "AT+FIS= 0,0,4,0,0,0,0,0,0" )
// Setting <LN> value
STRING(C_FIS_S40, "AT+FIS= 0,0,0,1,0,0,0,0,0" )
STRING(C_FIS_S41, "AT+FIS= 0,0,0,2,0,0,0,0,0" )
// Setting <ST> value
STRING(C_FIS_S50, "AT+FIS= 0,0,0,0,0,0,0,1,0" )
STRING(C_FIS_S51, "AT+FIS= 0,0,0,0,0,0,0,2,0" )
STRING(C_FIS_S52, "AT+FIS= 0,0,0,0,0,0,0,3,0" )
STRING(C_FIS_S53, "AT+FIS= 0,0,0,0,0,0,0,4,0" )
STRING(C_FIS_S54, "AT+FIS= 0,0,0,0,0,0,0,5,0" )
STRING(C_FIS_S55, "AT+FIS= 0,0,0,0,0,0,0,6,0" )
STRING(C_FIS_S56, "AT+FIS= 0,0,0,0,0,0,0,7,0" )
//Setting illegal modes
STRING(C_FIS_S60, "AT+FIS= 9,0,0,0,0,0,0,0,0" )
STRING(C_FIS_S61, "AT+FIS= 0,9,0,0,0,0,0,0,0" )
STRING(C_FIS_S62, "AT+FIS= 0,0,9,0,0,0,0,0,0" )
STRING(C_FIS_S63, "AT+FIS= 0,0,0,9,0,0,0,0,0" )
STRING(C_FIS_S64, "AT+FIS= 0,0,0,0,1,0,0,0,0" )
STRING(C_FIS_S65, "AT+FIS= 0,0,0,0,2,0,0,0,0" )
STRING(C_FIS_S66, "AT+FIS= 0,0,0,0,3,0,0,0,0" )
STRING(C_FIS_S67, "AT+FIS= 0,0,0,0,9,0,0,0,0" )
STRING(C_FIS_S68, "AT+FIS= 0,0,0,0,0,1,0,0,0" )
STRING(C_FIS_S69, "AT+FIS= 0,0,0,0,0,9,0,0,0" )
STRING(C_FIS_S70, "AT+FIS= 0,0,0,0,0,0,1,0,0" )
STRING(C_FIS_S71, "AT+FIS= 0,0,0,0,0,0,9,0,0" )
STRING(C_FIS_S72, "AT+FIS= 0,0,0,0,0,0,0,9,0" )
STRING(C_FIS_S73, "AT+FIS= 0,0,0,0,0,0,0,0,1" )
STRING(C_FIS_S74, "AT+FIS= 0,0,0,0,0,0,0,0,80" )
BYTE LC_FIS_S74 27
```

/*---"+FIS"—(FIS_T) */

```
//   Command:
STRING(C_FIS_T, "AT+FIS=?" )
BYTE LC_FIS_T 9
//   Message:
STRING(M_FIS_T, "+FIS:(0,1),(0-5),(0-4),(0-2),(0),(0),(0),(0-7),(0)" )
BYTE LM_FIS_T 51


/*
Command:          AT+FIS
          +FIS:VR,BR,WD,LN,DF,EC,BF,ST,JP remote identification
*/
STRING(C_PLUS_FIS1, "AT+FIS=1,1,0,2,0,0,0,0" )
    BYTE LC_PLUS_FIS1 22
```

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```
STRING(C_PLUS_FIS3, "AT+FIS=1,3,0,2,0,0,0" )
    BYTE LC_PLUS_FIS3 22


/*
Message:         +FIS
        +FIS:VR,BR,WD,LN,DF,EC,BF,ST, JP remote identification
*/
STRING(M_PLUS_FIS, "+FIS:1,3,0,2,0,0,0,0" )
BYTE LM_PLUS_FIS 22


/*
Command:         +FDT
        FAX Data Transmission
*/
STRING(C_PLUS_FDT, "AT+FDT" )
    BYTE LC_PLUS_FDT 6


/*
Command:         +FDR
        FAX Data Reception
*/
STRING(C_PLUS_FDR, "AT+FDR" )
    BYTE LC_PLUS_FDR 6


/*
Command:         +VTS
        send DTMF
*/
STRING(C_PLUS_VTS_1, "AT+VTS=1,0" )
BYTE LC_PLUS_VTS_1 10
STRING(C_PLUS_VTS_A, "AT+VTS=a" )
BYTE LC_PLUS_VTS_A 8
STRING(C_PLUS_VTS_STAR, "AT+VTS=*" )
BYTE LC_PLUS_VTS_STAR 8
STRING(C_PLUS_VTS_HASH, "AT+VTS=#" )
BYTE LC_PLUS_VTS_HASH 8


/*
message:         +COLP
        calling line presentation
*/
STRING(M_PLUS_COLP_NUM, "+COLP: \"03039094223\",129" )
BYTE LM_PLUS_COLP_NUM 24
STRING(M_PLUS_COLP_EMERG, "+COLP: \"112\",129" )
BYTE LM_PLUS_COLP_EMERG 16
STRING(M_PLUS_COLP_NUM_2, "+COLP: \"03039094444\",129" )
BYTE LM_PLUS_COLP_NUM_2 24


/*
message:         +CCWA
        call waiting presentation
*/
STRING(M_PLUS_CCWA, "+CCWA: \"03039094223\",129,1" )
BYTE LM_PLUS_CCWA 26


/*
message:         +COPS
        operator selection
*/
```

```
STRING(M_PLUS_COPS_AUT_LNG_26201, "+COPS: 0, 0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_COPS_AUT_LNG_26201 24
    STRING(M_PLUS_COPS_AUT_LNG_55555, "+COPS: 0, 0,\"ZWANZIG TELEKOM @COM\"" )
BYTE LM_PLUS_COPS_AUT_LNG_55555 34


    /*
message:        +CREG
        network registration
*/
STRING(M_PLUS_CREG_NO, "+CREG: 0" )


/*
Command:        +CSNS
        single numbering scheme
*/
STRING(C_PLUS_CSNS_VAF_V, "AT+CSNS=5 " )
BYTE LC_PLUS_CSNS_VAF_V 9
STRING(C_PLUS_CSNS_VFD, "AT+CSNS=7 " )
BYTE LC_PLUS_CSNS_VFD 9
STRING(C_PLUS_CSNS_QUERY, "AT+CSNS? " )
BYTE LC_PLUS_CSNS_QUERY 8


/*
Message:        +CSNS
        single numbering scheme
*/
STRING(M_PLUS_CSNS_0, "+CSNS: 0" )
BYTE LM_PLUS_CSNS_0 8
STRING(M_PLUS_CSNS_5, "+CSNS: 5" )
BYTE LM_PLUS_CSNS_5 8


/*
Command:        +COPN
        read operator names
*/
STRING(C_PLUS_COPN, "AT+COPN" )
BYTE LC_PLUS_COPN 7


/*
Command:        +CPOL
        Preferred operator list
*/
STRING(C_PLUS_CPOL_FRMT_LONG, "AT+CPOL=,0" )
BYTE LC_PLUS_CPOL_FRMT_LONG 10
STRING(C_PLUS_CPOL_FRMT_SHRT, "AT+CPOL=,1" )
BYTE LC_PLUS_CPOL_FRMT_SHRT 10
STRING(C_PLUS_CPOL_FRMT_NUM, "AT+CPOL=,2" )
BYTE LC_PLUS_CPOL_FRMT_NUM 10
STRING(C_PLUS_CPOL_Q, "AT+CPOL?" )
BYTE LC_PLUS_CPOL_Q 8
STRING(C_PLUS_CPOL_T, "AT+CPOL=?" )
BYTE LC_PLUS_CPOL_T 9
STRING(C_PLUS_CPOL_DEL_1, "AT+CPOL=1" )
BYTE LC_PLUS_CPOL_DEL_1 9
STRING(C_PLUS_CPOL_DEL_2, "AT+CPOL=2" )
BYTE LC_PLUS_CPOL_DEL_2 9
STRING(C_PLUS_CPOL_OVR_3, "AT+CPOL=5,2,\"28401\"" )
BYTE LC_PLUS_CPOL_OVR_3 19
STRING(C_PLUS_CPOL_NEW_3, "AT+CPOL=,2,\"28401\"" )
```

```
BYTE LC_PLUS_CPOL_NEW_3 18
STRING(C_PLUS_CPOL_INS_3, "AT+CPOL=3,2,\"28401\"" )
BYTE LC_PLUS_CPOL_INS_3 19
STRING(C_PLUS_CPOL_INS_1, "AT+CPOL=1,2,\"28401\"" )
BYTE LC_PLUS_CPOL_INS_1 19
STRING(C_PLUS_CPOL_CHG, "AT+CPOL=1" )
BYTE LC_PLUS_CPOL_CHG 9


/*
Message:          +CPOL
          Preferred operator list
*/
STRING(M_PLUS_CPOL_T, "+CPOL: (1-9),(0-2)" )
BYTE LM_PLUS_CPOL_T 18
STRING(M_PLUS_CPOL_PLMN1_NUM, "+CPOL: 2,2,\"26201\"" )
BYTE LM_PLUS_CPOL_PLMN1_NUM 18
STRING(M_PLUS_CPOL_PLMN1_LNG, "+CPOL: 2,0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_CPOL_PLMN1_LNG 23
STRING(M_PLUS_CPOL_PLMN1_SHRT, "+CPOL: 2,1,\"D1\"" )
BYTE LM_PLUS_CPOL_PLMN1_SHRT 15
STRING(M_PLUS_CPOL_PLMN1_CMP, "+CPOL: 1,0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_CPOL_PLMN1_CMP 23
STRING(M_PLUS_CPOL_PLMN1_CHG, "+CPOL: 5,0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_CPOL_PLMN1_CHG 23
STRING(M_PLUS_CPOL_PLMN1_INS, "+CPOL: 2,0,\"D1-TELEKOM\"" )
BYTE LM_PLUS_CPOL_PLMN1_INS 23
STRING(M_PLUS_CPOL_PLMN2_NUM, "+CPOL: 3,2,\"26202\"" )
BYTE LM_PLUS_CPOL_PLMN2_NUM 18
STRING(M_PLUS_CPOL_PLMN2_LNG, "+CPOL: 3,0,\"D-ZWEI PRIVAT\"" )
BYTE LM_PLUS_CPOL_PLMN2_LNG 26
STRING(M_PLUS_CPOL_PLMN2_SHRT, "+CPOL: 3,1,\"D-ZWEI\"" )
BYTE LM_PLUS_CPOL_PLMN2_SHRT 19
STRING(M_PLUS_CPOL_PLMN2_CMP, "+CPOL: 2,0,\"D-ZWEI PRIVAT\"" )
BYTE LM_PLUS_CPOL_PLMN2_CMP 26
STRING(M_PLUS_CPOL_PLMN2_DLT, "+CPOL: 1,0,\"D-ZWEI PRIVAT\"" )
BYTE LM_PLUS_CPOL_PLMN2_DLT 26
STRING(M_PLUS_CPOL_PLMN2_INS, "+CPOL: 3,0,\"D-ZWEI PRIVAT\"" )
BYTE LM_PLUS_CPOL_PLMN2_INS 26
STRING(M_PLUS_CPOL_PLMN3_NUM, "+CPOL: 5,2,\"26203\"" )
BYTE LM_PLUS_CPOL_PLMN3_NUM 18
STRING(M_PLUS_CPOL_PLMN3_LNG, "+CPOL: 5,0,\"E-Plus\"" )
BYTE LM_PLUS_CPOL_PLMN3_LNG 19
STRING(M_PLUS_CPOL_PLMN3_SHRT, "+CPOL: 5,1,\"E-Plus\"" )
BYTE LM_PLUS_CPOL_PLMN3_SHRT 19
STRING(M_PLUS_CPOL_PLMN3_CMP, "+CPOL: 3,0,\"E-Plus\"" )
BYTE LM_PLUS_CPOL_PLMN3_CMP 19
STRING(M_PLUS_CPOL_PLMN3_DLT, "+CPOL: 2,0,\"E-Plus\"" )
BYTE LM_PLUS_CPOL_PLMN3_DLT 19
STRING(M_PLUS_CPOL_PLMN3_INS, "+CPOL: 4,0,\"E-Plus\"" )
BYTE LM_PLUS_CPOL_PLMN3_INS 19
STRING(M_PLUS_CPOL_PLMN4_NUM, "+CPOL: 6,2,\"26207\"" )
BYTE LM_PLUS_CPOL_PLMN4_NUM 18
STRING(M_PLUS_CPOL_PLMN4_LNG, "+CPOL: 6,0,\"Viag Intercom\"" )
BYTE LM_PLUS_CPOL_PLMN4_LNG 26
STRING(M_PLUS_CPOL_PLMN4_SHRT, "+CPOL: 6,1,\"Viag\"" )
BYTE LM_PLUS_CPOL_PLMN4_SHRT 17
STRING(M_PLUS_CPOL_PLMN4_CMP, "+CPOL: 4,0,\"Viag Intercom\"" )
BYTE LM_PLUS_CPOL_PLMN4_CMP 26
STRING(M_PLUS_CPOL_PLMN4_DLT, "+CPOL: 3,0,\"Viag Intercom\"" )
```

```
BYTE LM_PLUS_CPOL_PLMN4_DLT 26
STRING(M_PLUS_CPOL_PLMN4_INS, "+CPOL: 5,0,\"Viag Intercom\"" )
BYTE LM_PLUS_CPOL_PLMN4_INS 26
STRING(M_PLUS_CPOL_PLMN5_NUM, "+CPOL: 8,2,\"23433\"" )
BYTE LM_PLUS_CPOL_PLMN5_NUM 18
STRING(M_PLUS_CPOL_PLMN5_LNG, "+CPOL: 8,0,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_LNG 19
STRING(M_PLUS_CPOL_PLMN5_SHRT, "+CPOL: 8,1,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_SHRT 19
STRING(M_PLUS_CPOL_PLMN5_CMP, "+CPOL: 5,0,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_CMP 19
STRING(M_PLUS_CPOL_PLMN5_DLT, "+CPOL: 4,0,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_DLT 19
STRING(M_PLUS_CPOL_PLMN5_INS, "+CPOL: 6,0,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_INS 19
STRING(M_PLUS_CPOL_PLMN5_CHG, "+CPOL: 1,0,\"ORANGE\"" )
BYTE LM_PLUS_CPOL_PLMN5_CHG 19
STRING(M_PLUS_CPOL_PLMN_OVR_LNG, "+CPOL: 5,0,\"CITRON GSM BG\"" )
BYTE LM_PLUS_CPOL_PLMN_OVR_LNG 26
STRING(M_PLUS_CPOL_PLMN_OVR_NUM, "+CPOL: 5,2,\"28401\"" )
BYTE LM_PLUS_CPOL_PLMN_OVR_NUM 18
STRING(M_PLUS_CPOL_PLMN_NEW_LNG, "+CPOL: 1,0,\"CITRON GSM BG\"" )
BYTE LM_PLUS_CPOL_PLMN_NEW_LNG 26
STRING(M_PLUS_CPOL_PLMN_NEW_NUM, "+CPOL: 1,2,\"28401\"" )
BYTE LM_PLUS_CPOL_PLMN_NEW_NUM 18
STRING(M_PLUS_CPOL_PLMN_NEW_CMP, "+CPOL: 6,0,\"CITRON GSM BG\"" )
BYTE LM_PLUS_CPOL_PLMN_NEW_CMP 26
STRING(M_PLUS_CPOL_PLMN_INS_LNG, "+CPOL: 3,0,\"CITRON GSM BG\"" )
BYTE LM_PLUS_CPOL_PLMN_INS_LNG 26
STRING(M_PLUS_CPOL_PLMN_INS_1_LNG, "+CPOL: 1,0,\"CITRON GSM BG\"" )
BYTE LM_PLUS_CPOL_PLMN_INS_1_LNG 26


/*
Message:        +CRSM
        restricted SIM access
*/
STRING(C_PLUS_CRSM_EFecc, "AT+CRSM=176,28599,0,0,12" )
BYTE LC_PLUS_CRSM_EFecc 24
STRING(M_PLUS_CRSM_EFecc, "+CRSM: 144,0,11F2FF99F9FF214365FFFFFF" )
BYTE LM_PLUS_CRSM_EFecc 37
STRING(C_PLUS_CRSM_EFadn, "AT+CRSM=178,28474,1,5,20" )
BYTE LC_PLUS_CRSM_EFadn 24
STRING(M_PLUS_CRSM_EFadn, "+CRSM: 144,0,0123456789ABCDEF0123456789ABCDEF01234567" )
BYTE LM_PLUS_CRSM_EFadn 53
STRING(C_PLUS_CRSM_EFacm, "AT+CRSM=214,28473,0,0,3,123456" )
BYTE LC_PLUS_CRSM_EFacm 30
STRING(M_PLUS_CRSM_EFacm, "+CRSM: 144,0" )
BYTE LM_PLUS_CRSM_EFacm 12
STRING(C_PLUS_CRSM_EFsms, "AT+CRSM=220,28476,1,5,10,12345678901234567890" )
BYTE LC_PLUS_CRSM_EFsms 45
STRING(M_PLUS_CRSM_EFsms, "+CRSM: 144,0" )
BYTE LM_PLUS_CRSM_EFsms 12
STRING(C_PLUS_CRSM_GetRes, "AT+CRSM=192,28475" )
BYTE LC_PLUS_CRSM_GetRes 17
STRING(M_PLUS_CRSM_GetRes, "+CRSM: 144,0,12345678901234567890" )
BYTE LM_PLUS_CRSM_GetRes 33
STRING(C_PLUS_CRSM_Stat, "AT+CRSM=242" )
BYTE LC_PLUS_CRSM_Stat 17
STRING(M_PLUS_CRSM_Stat, "+CRSM: 146,144" )
```

```
BYTE LM_PLUS_CRSM_Stat 14
STRING(M_PLUS_CRSM_PIN, "+CRSM: 152,4" )
BYTE LM_PLUS_CRSM_PIN 12
STRING(M_PLUS_CRSM_FATAL, "+CRSM: 111,0" )
BYTE LM_PLUS_CRSM_FATAL 12
STRING(M_PLUS_CRSM_INV, "+CRSM: 152,64" )
BYTE LM_PLUS_CRSM_INV 13


/*
message:        RING
*/
STRING(M_RING, "RING" )
BYTE LM_RING 4


/*
Command:        %CCBS
        Call completion to busy subscriber
*/
STRING(C_PERCENT_CCBS_ENA, "AT%CCBS=1" )
BYTE LC_PERCENT_CCBS_ENA 9


/*
message:        %CCBS
        CCBS indications
*/
STRING(M_PERCENT_CCBS_PSSBL, "%CCBS: 1" )
BYTE LM_PERCENT_CCBS_PSSBL 8
STRING(M_PERCENT_CCBS_PSSBL_TMO, "%CCBS: 0" )
BYTE LM_PERCENT_CCBS_PSSBL_TMO 8
STRING(M_PERCENT_CCBS_REG_V, "%CCBS: 2,1,\"493039094223\",145,,,1" )
BYTE LM_PERCENT_CCBS_REG_V 33
STRING(M_PERCENT_CCBS_RECALL, "%CCBS: 3,1,\"493039094444\",145,,,1,3" )
BYTE LM_PERCENT_CCBS_RECALL 35
STRING(M_PERCENT_CCBS_RCL_TMO, "%CCBS: 4" )
BYTE LM_PERCENT_CCBS_RCL_TMO 8


/*Command:       misc
*/
STRING(C_PLUS_MISC, "ATE0Q0V1X4S0=0S2=2=43" )
BYTE LC_PLUS_MISC 21


/*Test Command
*/
STRING(C_PERCENT_TEST_0, "AT%test=0" )
BYTE LC_PERCENT_TEST_0 9
STRING(C_PERCENT_TEST_2, "AT%test=2" )
BYTE LC_PERCENT_TEST_2 9
STRING(C_PERCENT_TEST_5, "AT%test=5" )
BYTE LC_PERCENT_TEST_5 9
STRING(C_PERCENT_TEST_6, "AT%test=6" )
BYTE LC_PERCENT_TEST_6 9
STRING(C_PERCENT_TEST_30, "AT%test=30,860E,\"01020304050060708090a0b0c0d0e0f\"" )
BYTE LC_PERCENT_TEST_30 48


/*Test Command/Message: SIM
*/
STRING(C_ACT, "%test=\"sim\",\"act\" " )
STRING(C_SYNC, "%test=\"sim\",\"sync\" " )
STRING(C_VRFY, "%test=\"sim\",\"vrfy pin=1234 type=1\" " )
```

```
STRING(M_ACT_CRD_BLK, "test: sim activated ec=0011" )
STRING(M_ACT_INV_CRD, "test: sim activated ec=0013" )
STRING(M_ACT_FTL_ERR, "test: sim activated ec=FFFF" )
STRING(M_INS, "test: sim inserted" )
STRING(M_SYNC, "test: sim synchronized" )
STRING(M_VRFD, "test: pin verified" )


/*Test Command/Message: MM
*/
STRING(C_REG, "%test=\"mm\",\"reg\" ")
STRING(M_REG,"test: registered")
STRING(C_REGMD_AUTO, "%test=\"mm\",\"mode=0\" " )
STRING(C_REGMD_MAN, "%test=\"mm\",\"mode=1\" " )


STRING(C_PERCENT_TEST_FD_TST, "AT%test=10" )
BYTE LC_PERCENT_TEST_FD_TST 10
STRING(C_PERCENT_TEST_FAX_DATA, "AT%test=12,1,\"12AB34CD56EF78\"" )
BYTE LC_PERCENT_TEST_FAX_DATA 31
STRING(C_PERCENT_TEST_FAX_DLE, "AT%test=13,113" )
BYTE LC_PERCENT_TEST_FAX_DLE 14
STRING(C_PERCENT_TEST_FAX_SIM, "AT%test=20" )
BYTE LC_PERCENT_TEST_FAX_SIM 10
STRING(C_PLUS_CMOD_FAX, "AT+CMOD=1 " )
BYTE LC_PLUS_CMOD_FAX 9
STRING(C_PLUS_CMOD_ALT_DAT, "AT+CMOD=2 " )
BYTE LC_PLUS_CMOD_ALT_DAT 9


STRING(L2R_UL_NAME, "UART" )
/*
fax data 0x00..0xFF
```

0x00,0x08	length in bits
0x00,0x00	offset in bits
0x00...0xFF	fax data: 256 bytes

```
*/
BEGINARRAY (FAX_DATA_00_FF, 260)
    0x00,0x08,
    0x00,0x00,
    0x00,0x01,0x02,0x03,0x04,0x05,0x06,0x07,0x08,0x09,0x0A,0x0B,0x0C,0x0D,0x0E,0x0F,
    0x10,0x11,0x12,0x00,0x14,0x15,0x16,0x17,0x18,0x19,0x1A,0x1B,0x1C,0x1D,0x1E,0x1F,
    0x20,0x21,0x22,0x23,0x24,0x25,0x26,0x27,0x28,0x29,0x2A,0x2B,0x2C,0x2D,0x2E,0x2F,
    0x30,0x31,0x32,0x33,0x34,0x35,0x36,0x37,0x38,0x39,0x3A,0x3B,0x3C,0x3D,0x3E,0x3F,
    0x40,0x00,0x00,0x00,0x00,0x01,0x46,0x47,0x48,0x49,0x4A,0x4B,0x4C,0x4D,0x4E,0x4F,
    0x50,0x51,0x52,0x53,0x54,0x55,0x56,0x57,0x58,0x59,0x5A,0x5B,0x5C,0x5D,0x5E,0x5F,
    0x60,0x61,0x62,0x63,0x64,0x65,0x66,0x67,0x68,0x69,0x6A,0x6B,0x6C,0x6D,0x6E,0x6F,
    0x70,0x71,0x72,0x73,0x74,0x75,0x76,0x77,0x78,0x79,0x7A,0x7B,0x7C,0x7D,0x7E,0x7F,
    0x80,0x81,0x82,0x83,0x84,0x80,0x01,0x87,0x88,0x89,0x8A,0x8B,0x8C,0x8D,0x8E,0x8F,
    0x90,0x91,0x92,0x93,0x94,0x95,0x96,0x97,0x98,0xE0,0x03,0x9B,0x9C,0x9D,0x9E,0x9F,
    0xA0,0xA1,0xA2,0xA3,0xA4,0xA5,0xA6,0xA7,0xA8,0xA9,0xAA,0xAB,0xAC,0xAD,0xAE,0xAF,
    0xB0,0xB1,0xB2,0xB3,0xB4,0xB5,0xB6,0xB7,0xB8,0xB9,0xBA,0xBB,0xBC,0xBD,0xBE,0xBF,
    0xC0,0xC1,0xC2,0xC3,0xC4,0xC5,0xC6,0xC7,0x00,0x00,0x00,0x6B,0xCC,0xCD,0xCE,0xCF,
    0xD0,0xD1,0xD2,0xD3,0xD4,0xD5,0xD6,0xD7,0xD8,0xD9,0xDA,0xDB,0xDC,0xDD,0xDE,0xDF,
    0xE0,0xE1,0xE2,0xE3,0xE4,0xE5,0xE6,0xE7,0xE8,0xE9,0xEA,0xEB,0xEC,0xED,0xEE,0xEF,
    0xF0,0xF1,0xF2,0xF3,0xF4,0xF5,0xF6,0xF7,0xF8,0xF9,0xFA,0xFB,0xFC,0xFD,0xFE,0xFF
ENDARRAY


/*
fax data 3
```

0x50,0x00	length in bits
0x00,0x00	offset in bits
0x31...	fax data: 1234567890

```
*/
BEGINARRAY (FAX_DATA_3, 14)
        0x50,0x00,
        0x00,0x00,
        0x31,0x32,0x33,0x34,0x35,
        0x36,0x37,0x38,0x39,0x30
ENDARRAY


/*
Internal test: HDLC: MPS, no checkings
```

0x38,0x00	length in bits
0x00,0x00	offset in bits
0x7E	Flag
0xFF,0xC8	address, final
0xF2	fcf: MPS
0x12,0xEF	Fcs
0x7E	Flag

```
*/
BEGINARRAY (HDLC_MPS_FS, 11)
        0x38,0x00,
        0x00,0x00,
        0x7E,
        0xFF,0xC8,
        0xF2,
        0x12,0xEF,
        0x7E
ENDARRAY


/*
Internal test: HDLC: MCF, no checkings
```

0x38,0x00	length in bits
0x00,0x00	offset in bits
0x7E	Flag
0xFF,0xC8	address, final
0x81	fcf: MCF
0x12,0xEF	Fcs
0x7E	Flag

```
*/
BEGINARRAY (HDLC_MCF_FS, 11)
        0x38,0x00,
        0x00,0x00,
        0x7E,
        0xFF,0xC8,
        0x31,
        0x12,0xEF,
        0x7E
ENDARRAY


/*------------------------------ ARRAYS ------------------------------------ */
/* PIN 1234 array */
```

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```
BEGINARRAY (A_PIN_1234,9)
    0x08, 0x31, 0x32, 0x33, 0x34, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY


/* calling number array */
BEGINARRAY_PART (A_CLG_NUM,11)
    0x0, 0x3, 0x0, 0x3, 0x9, 0x0, 0x9, 0x4, 0x2, 0x2, 0x3
ENDARRAY

BYTE LA_CLG_NUM 11

/* calling emergency array */
BEGINARRAY_PART (A_CLG_EMERG,3)
    0x1, 0x1, 0x2
ENDARRAY

BYTE LA_CLG_EMERG 3

/* called number array */
BEGINARRAY_PART (A_CLD_NUM,11)
    0x0, 0x3, 0x0, 0x3, 0x9, 0x0, 0x9, 0x4, 0x4, 0x4, 0x4
ENDARRAY

BYTE LA_CLD_NUM 11

/* called emergency array */
BEGINARRAY_PART (A_CLD_EMERG,3)
    0x1, 0x1, 0x2
ENDARRAY

BYTE LA_CLD_EMERG 3

/* international called number array */
BEGINARRAY_PART (A_CLD_NUM_INT,13)
    0x4, 0x9, 0x0, 0x3, 0x0, 0x3, 0x9, 0x0, 0x9, 0x4, 0x4, 0x4, 0x4
ENDARRAY

BYTE LA_CLD_NUM_INT 13

/* EF PLMNsel field array */
BEGINARRAY (A_EF_PLMNSEL,30)
    0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0xFF,
    0xFF, 0xFF, 0x32, 0xF4, 0x33, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY

/* EF PLMNsel field array, deleted entry*/
BEGINARRAY (A_EF_PLMNSEL_DEL,27)
    0x00, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x20, 0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70,
    0xFF, 0xFF, 0xFF, 0x32, 0xF4, 0x33, 0xFF, 0xFF, 0xFF
ENDARRAY

/* EF PLMNsel field array, deleted entry, compact*/
BEGINARRAY (A_EF_PLMNSEL_DEL_CMP,27)
    0x00, 0x62, 0xF2, 0x20, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0x32, 0xF4, 0x33, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF,
    0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY

/* EF PLMNsel field array, inserted entry, compact*/
BEGINARRAY (A_EF_PLMNSEL_INS_CMP,27)
```

```
    0x00, 0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0x82, 0xF4, 0x10, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0x32, 0xF4, 0x33,
    0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY


/* EF PLMNsel field array, inserted 1st entry, compact*/
BEGINARRAY (A_EF_PLMNSEL_INS_1_CMP,27)
    0x00, 0x82, 0xF4, 0x10,0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0x32, 0xF4, 0x33,
    0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY


/* EF PLMNsel field array, append entry, compact*/
BEGINARRAY (A_EF_PLMNSEL_NEW_CMP,27)
    0x00, 0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0x32, 0xF4, 0x33, 0x82, 0xF4, 0x10,
    0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY


/* EF PLMNsel field array, changed entries, compact*/
BEGINARRAY (A_EF_PLMNSEL_CHG_CMP,27)
    0x00, 0x32, 0xF4, 0x33, 0x62, 0xF2, 0x20, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70, 0x62, 0xF2, 0x10, 0xFF, 0xFF, 0xFF,
    0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF, 0xFF
ENDARRAY


/* EF PLMNsel field array, overwritten entry*/
BEGINARRAY (A_EF_PLMNSEL_OVR,27)
    0x00, 0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0xFF, 0xFF, 0xFF, 0x82, 0xF4, 0x10, 0x62, 0xF2, 0x70,
    0xFF, 0xFF, 0xFF, 0x32, 0xF4, 0x33, 0xFF, 0xFF, 0xFF
ENDARRAY


/* EF PLMNsel field array */
BEGINARRAY (A_EF_PLMNSEL_NEW,27)
    0x00, 0x82, 0xF4, 0x10, 0x62, 0xF2, 0x10, 0x62, 0xF2, 0x20, 0xFF, 0xFF, 0xFF, 0x62, 0xF2, 0x30, 0x62, 0xF2, 0x70,
    0xFF, 0xFF, 0xFF, 0x32, 0xF4, 0x33, 0xFF, 0xFF, 0xFF
ENDARRAY


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


/* EF ACM field array */
BEGINARRAY (A_ACM_FIELD,4)
    0x00, 0x12, 0x34, 0x56
ENDARRAY


/* EF ADN record array */
BEGINARRAY (A_ADN_REC,20)
    0x01, 0x23, 0x45, 0x67, 0x89, 0xAB, 0xCD, 0xEF, 0x01, 0x23, 0x45, 0x67, 0x89, 0xAB, 0xCD, 0xEF, 0x01, 0x23, 0x45,
    0x67
ENDARRAY


/* EF SMS record array */
BEGINARRAY (A_SMS_REC,11)
    0x00, 0x12, 0x34, 0x56, 0x78, 0x90, 0x12, 0x34, 0x56, 0x78, 0x90
ENDARRAY


/* get response data */
BEGINARRAY (A_RESP_DATA,10)
    0x12, 0x34, 0x56, 0x78, 0x90, 0x12, 0x34, 0x56, 0x78, 0x90
ENDARRAY
```

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```
/*--------------------------- SS facilities --------------------------- */
/* invoke build MPTY FIE */
BEGINARRAY (A_FAC_BUILD_MPTY,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x00, 0x02, 0x01, 0x7C
ENDARRAY


/* invoke split MPTY FIE */
BEGINARRAY (A_FAC_SPLIT_MPTY,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x01, 0x02, 0x01, 0x79
ENDARRAY


/* invoke hold MPTY FIE */
BEGINARRAY (A_FAC_HOLD_MPTY,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x01, 0x02, 0x01, 0x7B
ENDARRAY


/* invoke hold MPTY FIE */
BEGINARRAY (A_FAC_HOLD_MPTY_2,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x03, 0x02, 0x01, 0x7B
ENDARRAY


/* invoke retrieve MPTY FIE */
BEGINARRAY (A_FAC_RETRIEVE_MPTY,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x02, 0x02, 0x01, 0x7A
ENDARRAY


/* invoke ECT FIE */
BEGINARRAY (A_FAC_ECT,12)
    0x40, 0x00, 0x00, 0x00, 0xA1, 0x06, 0x02, 0x01, 0x00, 0x02, 0x01, 0x7E
ENDARRAY


/* invoke CCBS FIE */
BEGINARRAY (A_FAC_CCBS,14)
    0x50, 0x00, 0x00, 0x00, 0xA1, 0x08, 0x02, 0x01, 0x00, 0x02, 0x01, 0x77, 0x30, 0x00
ENDARRAY


/* invoke notify CCBS */
BEGINARRAY (A_FAC_NTFY_CCBS,36)
    0x00, 0x01, 0x00, 0x00, 0xA1, 0x1E, 0x02, 0x01, 0x00, 0x02, 0x01, 0x10, 0x30, 0x16, 0xB5, 0x11, 0x80, 0x01, 0x01,
    0x81, 0x07, 0x91, 0x94, 0x03, 0x93, 0x90, 0x44, 0x44, 0x83, 0x03, 0x83, 0x01, 0x10, 0x96, 0x01, 0x03
ENDARRAY


/* result build MPTY FIE */
BEGINARRAY (A_FAC_BUILD_MPTY_RES,9)
    0x28, 0x00, 0x00, 0x00, 0xA2, 0x03, 0x02, 0x01, 0x00
ENDARRAY


/* result split MPTY FIE */
BEGINARRAY (A_FAC_SPLIT_MPTY_RES,9)
    0x28, 0x00, 0x00, 0x00, 0xA2, 0x03, 0x02, 0x01, 0x00
ENDARRAY


/* result hold MPTY FIE */
BEGINARRAY (A_FAC_HOLD_MPTY_RES,9)
    0x28, 0x00, 0x00, 0x00, 0xA2, 0x03, 0x02, 0x01, 0x00
ENDARRAY


/* result retrieve MPTY FIE */
```

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BEGINARRAY (A_FAC_RETRIEVE_MPTY_RES,9)
    0x28, 0x00, 0x00, 0x00, 0xA2, 0x03, 0x02, 0x01, 0x00
ENDARRAY

/* result ECT FIE */
BEGINARRAY (A_FAC_ECT_RES,9)
    0x28, 0x00, 0x00, 0x00, 0xA2, 0x03, 0x02, 0x01, 0x00
ENDARRAY

/* result CCBS FIE */
BEGINARRAY (A_FAC_CCBS_RES,35)
    0xF8, 0x00, 0x00, 0x00, 0xA2, 0x1D, 0x02, 0x01, 0x00, 0x30, 0x18, 0x02, 0x01, 0x77, 0x30, 0x13, 0xA0, 0x11, 0x80,
    0x01, 0x01, 0x81, 0x07, 0x91, 0x94, 0x03, 0x93, 0x90, 0x24, 0x32, 0x83, 0x03, 0x83, 0x01, 0x10
ENDARRAY

/* error CCBS FIE */
BEGINARRAY (A_FAC_CCBS_ERR,12)
    0x40, 0x00, 0x00, 0x00, 0xA3, 0x06, 0x02, 0x01, 0x00, 0x02, 0x01, 0x15
ENDARRAY

/* advice of charge facility */
BEGINARRAY (A_FAC_AOC,43)
    0xA1, 0x29, 0x02, 0x01, 0x00, 0x02, 0x01, 0x7D, 0x30, 0x7E, 0x80, 0x01, 0x72, 0xA1, 0x1A, 0x81, 0x01, 0x3C, 0x82,
    0x02, 0x00, 0x8C, 0x83, 0x01, 0x64, 0x84, 0x02, 0x00, 0xFA, 0x85, 0x02, 0x00, 0x00, 0x86, 0x02, 0x00, 0x00, 0x87,
    0x02, 0x02, 0x58, 0x00, 0x00
ENDARRAY

BYTE LA_FAC_AOC 344

/* OK Response */
BEGINARRAY (F_M_OK, 6)
    0x10, 0x00, 0x00, 0x00, 0x4F, 0x4B
ENDARRAY

/* NO CARRIER */
BEGINARRAY (F_M_NO_CARRIER, 14)
    0x50, 0x00, 0x00, 0x00,
    0x4E, 0x4F, 0x20, 0x43, 0x41, 0x52, 0x52, 0x49, 0x45, 0x52
ENDARRAY

/* CONNECT */
BEGINARRAY (F_M_CONNECT, 11)
    0x38, 0x00, 0x00, 0x00,
    0x43, 0x4F, 0x4E, 0x4E, 0x45, 0x43, 0x54
ENDARRAY

/* ^M+FCO */
BEGINARRAY (F_M_PLUS_FCO, 8)
    0x20, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x43, 0x4F
ENDARRAY

/* AT cmd ATE0 field */
BEGINARRAY (F_AT_E0, 9)
    0x28, 0x00, 0x00, 0x00, 0x41, 0x54, 0x45, 0x30, 0x0D
ENDARRAY

BEGINARRAY (F_RESP_TE0_CR_OK, 10)
    0x30, 0x00, 0x00, 0x00, 0x54, 0x45, 0x30, 0x0d, 0x4f, 0x4b

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ENDARRAY

```
/* AT+CBST=7,0,0;+CMOD=1^M */
BEGINARRAY (F_C_96PLUS_CMOD_FAX, 26)
    0xB0, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x43, 0x42, 0x53, 0x54, 0x3D, 0x37, 0x2C, 0x30, 0x2C, 0x30, 0x3B,
    0x2B, 0x43, 0x4D, 0x4F, 0x44, 0x3D, 0x31, 0x0D
ENDARRAY


/* T+CBST... */
BEGINARRAY (F_RESP_CBST7, 27)
    0xB8, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x43, 0x42, 0x53, 0x54, 0x3D, 0x37,
    0x2C, 0x30, 0x2C, 0x30, 0x3B, 0x2B, 0x43, 0x4D, 0x4F, 0x44, 0x3D, 0x31, 0x0D, 0x4f, 0x4B
ENDARRAY


/* ATE0;+CBST=7,0,0;+CMOD=1^M */
BEGINARRAY (F_C_ATE096PLUS_CMOD_FAX, 29)
    0xC8, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x45, 0x30, 0x3B,
    0x2B, 0x43, 0x42, 0x53, 0x54, 0x3D, 0x37, 0x2C, 0x30, 0x2C, 0x30, 0x3B,
    0x2B, 0x43, 0x4D, 0x4F, 0x44, 0x3D, 0x31, 0x0D
ENDARRAY


/* TE0;+CBST... */
BEGINARRAY (F_M_TE0CBST7, 30)
    0xD0, 0x00, 0x00, 0x00,
    0x54, 0x45, 0x30, 0x3B,
    0x2B, 0x43, 0x42, 0x53, 0x54, 0x3D, 0x37, 0x2C, 0x30, 0x2C, 0x30, 0x3B,
    0x2B, 0x43, 0x4D, 0x4F, 0x44, 0x3D, 0x31, 0x0D,
    0x4F, 0x4B
ENDARRAY


/* A */
BEGINARRAY (F_RESP_A, 5)
    0x08, 0x00, 0x00, 0x00, 0x41
ENDARRAY


/* O */
BEGINARRAY (F_RESP_O, 5)
    0x08, 0x00, 0x00, 0x00, 0x4F
ENDARRAY


/* ATDT(030)39094444^M */
BEGINARRAY (F_C_D_DAT, 22)
    0x90, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x44, 0x54, 0x28, 0x30, 0x33, 0x30, 0x29, 0x33, 0x39, 0x30, 0x39, 0x34, 0x34, 0x34, 0x34, 0x0D
ENDARRAY


/* ATDT(030)39094444 */
BEGINARRAY (F_M_D_DAT, 21)
    0x88, 0x00, 0x00, 0x00,
    0x54, 0x44, 0x54, 0x28,
    0x30, 0x33, 0x30, 0x29,
    0x33, 0x39, 0x30, 0x39,
    0x34, 0x34, 0x34, 0x34, 0x0D
ENDARRAY


/* AT+CHUP^M */
```

```
BEGINARRAY (F_C_PLUS_CHUP, 12)
    0x40, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x43, 0x48, 0x55, 0x50, 0x0D
ENDARRAY


BEGINARRAY (F_C_ATA, 8)
    0x20, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x41, 0x0D
ENDARRAY


/* TA */
BEGINARRAY (F_M_TA, 7)
    0x18, 0x00, 0x00, 0x00,
    0x54, 0x41, 0x0D
ENDARRAY


/* +FPS:1,0,0,0,0 */
BEGINARRAY (F_M_PLUS_FPS, 18)
    0x70, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x50, 0x53, 0x3A, 0x31, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30
ENDARRAY


/* +FET:0OK */
BEGINARRAY (F_M_PLUS_FET0, 12)
    0x40, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x45, 0x54, 0x3A, 0x30, 0x4F, 0x4B
ENDARRAY


/* +FET:2OK */
BEGINARRAY (F_M_PLUS_FET2, 12)
    0x40, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x45, 0x54, 0x3A, 0x32, 0x4F, 0x4B
ENDARRAY


/* AT+FHS?^M */
BEGINARRAY (F_Q_PLUS_FHS, 12)
    0x40, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x48, 0x53, 0x3F, 0x0D
ENDARRAY


/* +FHS:00 */
BEGINARRAY (F_M_PLUS_FHS, 11)
    0x38, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x48, 0x53, 0x3A, 0x30, 0x30
ENDARRAY


/* +FHS:11 */
BEGINARRAY (F_M_PLUS_FHS11, 11)
    0x38, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x48, 0x53, 0x3A, 0x31, 0x31
ENDARRAY


/* +FHS:A1 */
BEGINARRAY (F_M_PLUS_FHSA1, 11)
    0x38, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x48, 0x53, 0x3A, 0x41, 0x31
ENDARRAY


/* AT+FCLASS=2.0^M */
```

```
BEGINARRAY (F_C_PLUS_FCLASS_2_0, 18)
    0x70, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x43, 0x4C, 0x41, 0x53, 0x53, 0x3D, 0x32, 0x2E, 0x30, 0x0D
ENDARRAY


BEGINARRAY (F_M_PLUS_FCLASS_2_0, 19)
    0x78, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x43, 0x4C, 0x41, 0x53, 0x53, 0x3D, 0x32, 0x2E, 0x30, 0x0D, 0x4F, 0x4B
ENDARRAY


/* AT+FNR=1,1,1,0^M */
BEGINARRAY (F_C_PLUS_FNR, 19)
    0x78, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x4E, 0x52, 0x3D, 0x31, 0x2C, 0x31, 0x2C, 0x31, 0x2C, 0x30, 0x0D
ENDARRAY


BEGINARRAY (F_M_PLUS_FNR, 20)
    0x80, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x4E, 0x52, 0x3D, 0x31, 0x2C, 0x31, 0x2C, 0x31, 0x2C, 0x30, 0x0D, 0x4F, 0x4B
ENDARRAY


 /* +FCS:1,1,0,2,0,0,0,0 */
BEGINARRAY (F_M_PLUS_FCS1102, 24)
    0xA0, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x43, 0x53, 0x3A, 0x31, 0x2C, 0x31,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30,
    0x2C, 0x30, 0x2C, 0x30
ENDARRAY


/* +FCS:1,3,0,2,0,0,0,0 */
BEGINARRAY (F_M_PLUS_FCS, 26)
    0xB0, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x43, 0x53, 0x3A, 0x31, 0x2C, 0x33,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30,
    0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30
ENDARRAY


/* AT+FIS=1,1,0,2,0,0,0,0^M */
BEGINARRAY (F_C_PLUS_FIS1, 27)
    0xB8, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x49, 0x53, 0x3D, 0x31, 0x2C, 0x31,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x0D
ENDARRAY


/* T+FIS=1,1,0,2,0,0,0,0^MOK */
BEGINARRAY (F_M_PLUS_FIS1, 28)
    0xC0, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x49, 0x53, 0x3D, 0x31, 0x2C, 0x31,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x0D, 0x4F, 0x4B
ENDARRAY


/* AT+FIS=1,3,0,2,0,0,0,0^M */
BEGINARRAY (F_C_PLUS_FIS3, 27)
    0xB8, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x49, 0x53, 0x3D, 0x31, 0x2C, 0x33,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x0D
ENDARRAY
```

```
/* T+FIS=1,3,0,2,0,0,0,0^MOK */
BEGINARRAY (F_M_PLUS_FIS3, 28)
    0xC0, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x49, 0x53, 0x3D, 0x31, 0x2C, 0x33,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x0D, 0x4F, 0x4B
ENDARRAY


/* ^M+FIS:1,3,0,2,0,0,0,0 */
BEGINARRAY (F_M_PLUS_FIS, 26)
    0xB0, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x49,
    0x53, 0x3A, 0x31, 0x2C, 0x33, 0x2C, 0x30, 0x2C,
    0x32, 0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30, 0x2C,
    0x30, 0x2C, 0x30
ENDARRAY


/* AT+FDT */
BEGINARRAY (F_C_PLUS_FDT, 11)
    0x38, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x44, 0x54, 0x0D
ENDARRAY


BEGINARRAY (F_M_PLUS_FDT, 10)
    0x30, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x44, 0x54, 0x0D
ENDARRAY


BEGINARRAY (F_M_PLUS_FDT_FCS, 32)
    0xE0, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x44, 0x54, 0x0D,
    0x2B, 0x46, 0x43, 0x53, 0x3A, 0x31, 0x2C, 0x33,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30,
    0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30
ENDARRAY


BEGINARRAY (F_M_PLUS_FCS1302, 26)
    0xB0, 0x00, 0x00, 0x00,
    0x2B, 0x46, 0x43, 0x53, 0x3A, 0x31, 0x2C, 0x33,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30,
    0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30
ENDARRAY


BEGINARRAY (F_M_PLUS_FDT_FCS1102, 31)
    0xE0, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x44, 0x54, 0x0D,
    0x2B, 0x46, 0x43, 0x53, 0x3A, 0x31, 0x2C, 0x31,
    0x2C, 0x30, 0x2C, 0x32, 0x2C, 0x30, 0x2C, 0x30,
    0x2C, 0x30, 0x2C, 0x30, 0x2C, 0x30
ENDARRAY


/* AT+FDR */
BEGINARRAY (F_C_PLUS_FDR, 11)
    0x38, 0x00, 0x00, 0x00,
    0x41, 0x54, 0x2B, 0x46, 0x44, 0x52, 0x0D
ENDARRAY


BEGINARRAY (F_M_PLUS_FDR, 10)
    0x30, 0x00, 0x00, 0x00,
    0x54, 0x2B, 0x46, 0x44, 0x52, 0x0D
```

```
ENDARRAY

BEGINARRAY (F_M_RING, 8)
    0x20, 0x00, 0x00, 0x00,
    0x52, 0x49, 0x4E, 0x47
ENDARRAY


/* chipcard identification field */
BEGINARRAY (F_ICC, 10)
    0x01, 0x02, 0x03, 0x04, 0x05, 0x06, 0x07, 0x08, 0x09, 0x00
ENDARRAY


/* mobile country code field */
BEGINARRAY (F_MCC_123, 3)
    0x01, 0x02, 0x03
ENDARRAY


BEGINARRAY (F_MCC_262, 3)
    0x02, 0x06, 0x02
ENDARRAY


BEGINARRAY (F_MCC_555, 3)
    0x05, 0x05, 0x05
ENDARRAY


BEGINARRAY (F_PLMN_LST, 30)
    0x01, 0x02, 0x06, 0x02, 0x00, 0x01, 0x01, 0x02, 0x06, 0x02, 0x00, 0x02, 0x01, 0x02, 0x06, 0x02, 0x00, 0x03, 0xFF,
    0x00, 0x00, 0x00, 0x00, 0x00, 0xFF, 0x00, 0x00, 0x00, 0x00, 0x00
ENDARRAY


BEGINARRAY (F_FRB_PLMN_LST, 7)
    0x00, 0x00, 0x00, 0x01, 0x00, 0x00, 0x00
ENDARRAY


BEGINARRAY (F_RXL_PLMN_LST, 7)
    0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
ENDARRAY


/* mobile network code field */
BEGINARRAY (F_MNC_45, 2)
    0x04, 0x05
ENDARRAY


BEGINARRAY (F_MNC_01, 2)
    0x00, 0x01
ENDARRAY


BEGINARRAY (F_MNC_02, 2)
    0x00, 0x02
ENDARRAY


BEGINARRAY (F_MNC_55, 2)
    0x05, 0x05
ENDARRAY




/*-------------------------- structures ---------------------------------- */
```

```
/* plmn declaration */
BEGIN_PSTRUCT ("plmn", S_PLMN_123_45)
        SET_COMP ("v_plmn",     NUM_1)
        SET_COMP ("mcc",        F_MCC_123)
        SET_COMP ("mnc",        F_MNC_45)
ENDSTRUCT


BEGIN_PSTRUCT ("plmn", S_PLMN_262_01)
        SET_COMP ("v_plmn",     NUM_1)
        SET_COMP ("mcc",        F_MCC_262)
        SET_COMP ("mnc",        F_MNC_01)
ENDSTRUCT


BEGIN_PSTRUCT ("plmn", S_PLMN_262_02)
        SET_COMP ("v_plmn",     NUM_1)
        SET_COMP ("mcc",        F_MCC_262)
        SET_COMP ("mnc",        F_MNC_02)
ENDSTRUCT


BEGIN_PSTRUCT ("plmn", S_PLMN_555_55)
        SET_COMP ("v_plmn",     NUM_1)
        SET_COMP ("mcc",        F_MCC_555)
        SET_COMP ("mnc",        F_MNC_55)
ENDSTRUCT


/* bearer service not present */
BEGIN_PSTRUCT ("bcpara", S_BS_NOT_PRESENT)
        SET_COMP ("rate",         UR_NOT_PRES)
        SET_COMP ("bearer_serv",  BEARER_SERV_NOT_PRES)
        SET_COMP ("conn_elem",    CONN_ELEM_NOT_PRES)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT


/* bearer service voice */
BEGIN_PSTRUCT ("bcpara", S_BS_VOICE)
        SET_COMP ("rate",         UR_NOT_PRES)
        SET_COMP ("bearer_serv",  BEARER_SERV_SPEECH)
        SET_COMP ("conn_elem",    CONN_ELEM_NOT_PRES)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT


/* bearer service emergency */
BEGIN_PSTRUCT ("bcpara", S_BS_EMERG)
        SET_COMP ("rate",         UR_NOT_PRES)
        SET_COMP ("bearer_serv",  BEARER_SERV_SPEECH)
        SET_COMP ("conn_elem",    CONN_ELEM_NOT_PRES)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
```

```
ENDSTRUCT

/* bearer service FAX 9600 */
BEGIN_PSTRUCT ("bcpara", S_BS_FAX)
        SET_COMP ("rate",         UR_9_6_KBIT)
        SET_COMP ("bearer_serv",  BEARER_SERV_FAX)
        SET_COMP ("conn_elem",    CONN_ELEM_TRANS)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT

/* bearer service FAX 14400 */
BEGIN_PSTRUCT ("bcpara", S_BS_FAX_14400)
        SET_COMP ("rate",         UR_14_4_KBIT)
        SET_COMP ("bearer_serv",  BEARER_SERV_FAX)
        SET_COMP ("conn_elem",    CONN_ELEM_TRANS)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT

/* bearer service transparent data 9600 */
BEGIN_PSTRUCT ("bcpara", S_BS_DAT_9600_ASY_TRA)
        SET_COMP ("rate",         UR_9_6_KBIT)
        SET_COMP ("bearer_serv",  BEARER_SERV_ASYNC)
        SET_COMP ("conn_elem",    CONN_ELEM_TRANS)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT

/* bearer service non-transparent data 9600 */
BEGIN_PSTRUCT ("bcpara", S_BS_DAT_9600_ASY_NTRA)
        SET_COMP ("rate",         UR_9_6_KBIT)
        SET_COMP ("bearer_serv",  BEARER_SERV_ASYNC)
        SET_COMP ("conn_elem",    CONN_ELEM_NON_TRANS)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
        SET_COMP ("modem_type",   MT_NONE)
ENDSTRUCT

/* bearer service default */
BEGIN_PSTRUCT ("bcpara", S_BS_DEF)
        SET_COMP ("rate",         UR_9_6_KBIT)
        SET_COMP ("bearer_serv",  BEARER_SERV_FAX)
        SET_COMP ("conn_elem",    CONN_ELEM_TRANS)
        SET_COMP ("stop_bits",    STOP_1_BIT)
        SET_COMP ("data_bits",    DATA_8_BIT)
        SET_COMP ("parity",       PARITY_NONE)
        SET_COMP ("flow_control", NO_FLOW_CONTROL)
```

TEXAS INSTRUMENTS

```
                SET_COMP ("modem_type", MT_NONE)
ENDSTRUCT


/* bearer service transparent data prefer 14400 */
BEGIN_PSTRUCT ("bcpara", S_BS_DAT_14400_ASY_BTP)
                SET_COMP ("rate",          UR_14_4_KBIT)
                SET_COMP ("bearer_serv",  BEARER_SERV_ASYNC)
                SET_COMP ("conn_elem",    CONN_ELEM_TRANS_PREF)
                SET_COMP ("stop_bits",    STOP_1_BIT)
                SET_COMP ("data_bits",    DATA_8_BIT)
                SET_COMP ("parity",       PARITY_NONE)
                SET_COMP ("flow_control", NO_FLOW_CONTROL)
                SET_COMP ("modem_type", MT_NONE)
ENDSTRUCT


/* bearer service transparent data 14400 V32 */
BEGIN_PSTRUCT ("bcpara", S_BS_DAT_14400_ASY_TRA_V34)
                SET_COMP ("rate",          UR_14_4_KBIT)
                SET_COMP ("bearer_serv",  BEARER_SERV_ASYNC)
                SET_COMP ("conn_elem",    CONN_ELEM_TRANS)
                SET_COMP ("stop_bits",    STOP_1_BIT)
                SET_COMP ("data_bits",    DATA_8_BIT)
                SET_COMP ("parity",       PARITY_NONE)
                SET_COMP ("flow_control", NO_FLOW_CONTROL)
                SET_COMP ("modem_type", MT_V34)
ENDSTRUCT


/* calling party address */
BEGIN_PSTRUCT ("calling_party", S_CLG_PARTY)
                SET_COMP ("ton", TON_UNKNOWN)
                SET_COMP ("npi", NPI_ISDN_TEL_NUMB_PLAN)
                SET_COMP ("present",      PRES_PRES_ALLOW)
                SET_COMP ("screen",       SCREEN_IND_NOT_PRES)
                SET_COMP ("c_num",        LA_CLG_NUM)
                SET_COMP ("num",          A_CLG_NUM)
ENDSTRUCT


/* calling party sub address */
BEGIN_PSTRUCT ("calling_party_sub", S_CLG_PARTY_SUB)
                SET_COMP ("tos", TOS_NOT_PRES)
                SET_COMP ("odd_even",     OE_EVEN)
                SET_COMP ("c_subaddr",    NUM_0)
                SKIP_COMP ("subaddr")
ENDSTRUCT


/* calling party emergency address */
BEGIN_PSTRUCT ("calling_party", S_CLG_EMERG)
                SET_COMP ("ton", TON_UNKNOWN)
                SET_COMP ("npi", NPI_ISDN_TEL_NUMB_PLAN)
                SET_COMP ("present",      PRES_PRES_ALLOW)
                SET_COMP ("screen",       SCREEN_IND_NOT_PRES)
                SET_COMP ("c_num",        LA_CLG_EMERG)
                SET_COMP ("num",          A_CLG_EMERG)
ENDSTRUCT


/* calling party emergency sub address */
BEGIN_PSTRUCT ("calling_party_sub", S_CLG_EMERG_SUB)
                SET_COMP ("tos", TOS_NOT_PRES)
                SET_COMP ("odd_even",     OE_EVEN)
```

```
             SET_COMP ("c_subaddr",    NUM_0)
             SKIP_COMP ("subaddr")
ENDSTRUCT


/* called party address national*/
BEGIN_PSTRUCT ("called_party", S_CLD_PARTY)
             SET_COMP ("ton", TON_UNKNOWN)
             SET_COMP ("npi", NPI_ISDN_TEL_NUMB_PLAN)
             SET_COMP ("c_called_num",        LA_CLD_NUM)
             SET_COMP ("called_num", A_CLD_NUM)
ENDSTRUCT


/* called party emrgency address*/
BEGIN_PSTRUCT ("called_party", S_CLD_EMERG)
             SET_COMP ("ton", TON_UNKNOWN)
             SET_COMP ("npi", NPI_ISDN_TEL_NUMB_PLAN)
             SET_COMP ("c_called_num",        LA_CLD_EMERG)
             SET_COMP ("called_num", A_CLD_EMERG)
ENDSTRUCT


/* called party address international*/
BEGIN_PSTRUCT ("called_party", S_CLD_PARTY_INT)
             SET_COMP ("ton", TON_INT_NUMB)
             SET_COMP ("npi", NPI_ISDN_TEL_NUMB_PLAN)
             SET_COMP ("c_called_num",        LA_CLD_NUM_INT)
             SET_COMP ("called_num", A_CLD_NUM_INT)
ENDSTRUCT


/* called party sub address */
BEGIN_PSTRUCT ("called_party_sub", S_CLD_PARTY_SUB)
             SET_COMP ("tos", TOS_NOT_PRES)
             SET_COMP ("odd_even",    OE_EVEN)
             SET_COMP ("c_subaddr",   NUM_0)
             SKIP_COMP ("subaddr")
ENDSTRUCT


/* called party emergency sub address */
BEGIN_PSTRUCT ("called_party_sub", S_CLD_EMERG_SUB)
             SET_COMP ("tos", TOS_NOT_PRES)
             SET_COMP ("odd_even",    OE_EVEN)
             SET_COMP ("c_subaddr",   NUM_0)
             SKIP_COMP ("subaddr")
ENDSTRUCT


/* forward advice of charge info */
BEGIN_PSTRUCT ("fac_inf", S_FAC_AOC)
             SET_COMP ("l_fac",        LA_FAC_AOC)
             SET_COMP ("o_fac",        NUM_0)
             SET_COMP ("fac", A_FAC_AOC)
ENDSTRUCT


/* speech full rate */
BEGIN_PSTRUCT ("chm", S_CHN_SPEECH)
             SET_COMP ("ch_type",     CH_TCH_F)
             SET_COMP ("ch_mode",     CHM_SPEECH)
ENDSTRUCT


/* data full rate 9600 bps*/
```

```
BEGIN_PSTRUCT ("chm", S_CHN_FULL_9600)
        SET_COMP ("ch_type",      CH_TCH_F)
        SET_COMP ("ch_mode",      CHM_DATA_9_6)
ENDSTRUCT


/* data full rate 4800 bps*/
BEGIN_PSTRUCT ("chm", S_CHN_FULL_4800)
        SET_COMP ("ch_type",      CH_TCH_F)
        SET_COMP ("ch_mode",      CHM_DATA_4_8)
ENDSTRUCT


/* DCS frame */
BEGIN_PSTRUCT ("dcs", S_DCS)
        SKIP_COMP ("v8")
        SKIP_COMP ("n_byte")
        SKIP_COMP ("ready_tx_fax")
        SKIP_COMP ("rec_fax_op")
        SKIP_COMP ("data_sig_rate")
        SKIP_COMP ("R8_lines_pels")
        SKIP_COMP ("two_dim_coding")
        SKIP_COMP ("rec_width")
        SKIP_COMP ("max_rec_len")
        SKIP_COMP ("min_scan_time")
        SKIP_COMP ("uncomp_mode")
        SKIP_COMP ("err_corr_mode")
        SKIP_COMP ("frame_size")
        SKIP_COMP ("t6_coding")
        SKIP_COMP ("R8_lines")
        SKIP_COMP ("r_300_pels")
        SKIP_COMP ("R16_lines_pels")
        SKIP_COMP ("resolution_type")
        SKIP_COMP ("i_res_pref")
        SKIP_COMP ("m_res_pref")
        SKIP_COMP ("min_scan_time_hr")
        SKIP_COMP ("sel_polling")
        SKIP_COMP ("subaddr")
        SKIP_COMP ("password")
        SKIP_COMP ("ready_tx_doc")
        SKIP_COMP ("bft")
        SKIP_COMP ("dtm")
        SKIP_COMP ("edi")
        SKIP_COMP ("btm")
        SKIP_COMP ("ready_tx_mixed")
        SKIP_COMP ("char_mode")
        SKIP_COMP ("mixed_mode")
        SKIP_COMP ("proc_mode_26")
        SKIP_COMP ("dig_network_cap")
        SKIP_COMP ("duplex")
        SKIP_COMP ("jpeg")
        SKIP_COMP ("full_colour")
        SKIP_COMP ("huffman_tables")
        SKIP_COMP ("r_12_bits_pel_comp")
        SKIP_COMP ("no_subsamp")
        SKIP_COMP ("cust_illum")
        SKIP_COMP ("cust_gamut")
        SKIP_COMP ("na_letter")
        SKIP_COMP ("na_legal")
        SKIP_COMP ("sing_prog_seq_coding_basic")
        SKIP_COMP ("sing_prog_seq_coding_L0")
```

```
ENDSTRUCT

/* DIS frame */
BEGIN_PSTRUCT ("dis", S_DIS)
        SKIP_COMP ("v8")
        SKIP_COMP ("n_byte")
        SKIP_COMP ("ready_tx_fax")
        SKIP_COMP ("rec_fax_op")
        SKIP_COMP ("data_sig_rate")
        SKIP_COMP ("R8_lines_pels")
        SKIP_COMP ("two_dim_coding")
        SKIP_COMP ("rec_width")
        SKIP_COMP ("max_rec_len")
        SKIP_COMP ("min_scan_time")
        SKIP_COMP ("uncomp_mode")
        SKIP_COMP ("err_corr_mode")
        SKIP_COMP ("frame_size")
        SKIP_COMP ("t6_coding")
        SKIP_COMP ("R8_lines")
        SKIP_COMP ("r_300_pels")
        SKIP_COMP ("R16_lines_pels")
        SKIP_COMP ("resolution_type")
        SKIP_COMP ("i_res_pref")
        SKIP_COMP ("m_res_pref")
        SKIP_COMP ("min_scan_time_hr")
        SKIP_COMP ("sel_polling")
        SKIP_COMP ("subaddr")
        SKIP_COMP ("password")
        SKIP_COMP ("ready_tx_doc")
        SKIP_COMP ("bft")
        SKIP_COMP ("dtm")
        SKIP_COMP ("edi")
        SKIP_COMP ("btm")
        SKIP_COMP ("ready_tx_mixed")
        SKIP_COMP ("char_mode")
        SKIP_COMP ("mixed_mode")
        SKIP_COMP ("proc_mode_26")
        SKIP_COMP ("dig_network_cap")
        SKIP_COMP ("duplex")
        SKIP_COMP ("jpeg")
        SKIP_COMP ("full_colour")
        SKIP_COMP ("huffman_tables")
        SKIP_COMP ("r_12_bits_pel_comp")
        SKIP_COMP ("no_subsamp")
        SKIP_COMP ("cust_illum")
        SKIP_COMP ("cust_gamut")
        SKIP_COMP ("na_letter")
        SKIP_COMP ("na_legal")
        SKIP_COMP ("sing_prog_seq_coding_basic")
        SKIP_COMP ("sing_prog_seq_coding_L0")
ENDSTRUCT

/* DIS frame – 9600 bps */
BEGIN_PSTRUCT ("dis", S_DIS_9600)
        SKIP_COMP ("v8")
        SKIP_COMP ("n_byte")
        SKIP_COMP ("ready_tx_fax")
        SKIP_COMP ("rec_fax_op")
        SET_COMP ("data_sig_rate", NUM_8)
```

```
        SET_COMP ("R8_lines_pels", NUM_1)
        SKIP_COMP ("two_dim_coding")
        SKIP_COMP ("rec_width")
        SET_COMP ("max_rec_len", NUM_1)
        SET_COMP ("min_scan_time", NUM_7)
        SKIP_COMP ("uncomp_mode")
        SKIP_COMP ("err_corr_mode")
        SKIP_COMP ("frame_size")
        SKIP_COMP ("t6_coding")
        SKIP_COMP ("R8_lines")
        SKIP_COMP ("r_300_pels")
        SKIP_COMP ("R16_lines_pels")
        SKIP_COMP ("resolution_type")
        SKIP_COMP ("i_res_pref")
        SKIP_COMP ("m_res_pref")
        SKIP_COMP ("min_scan_time_hr")
        SKIP_COMP ("sel_polling")
        SKIP_COMP ("subaddr")
        SKIP_COMP ("password")
        SKIP_COMP ("ready_tx_doc")
        SKIP_COMP ("bft")
        SKIP_COMP ("dtm")
        SKIP_COMP ("edi")
        SKIP_COMP ("btm")
        SKIP_COMP ("ready_tx_mixed")
        SKIP_COMP ("char_mode")
        SKIP_COMP ("mixed_mode")
        SKIP_COMP ("proc_mode_26")
        SKIP_COMP ("dig_network_cap")
        SKIP_COMP ("duplex")
        SKIP_COMP ("jpeg")
        SKIP_COMP ("full_colour")
        SKIP_COMP ("huffman_tables")
        SKIP_COMP ("r_12_bits_pel_comp")
        SKIP_COMP ("no_subsamp")
        SKIP_COMP ("cust_illum")
        SKIP_COMP ("cust_gamut")
        SKIP_COMP ("na_letter")
        SKIP_COMP ("na_legal")
        SKIP_COMP ("sing_prog_seq_coding_basic")
        SKIP_COMP ("sing_prog_seq_coding_L0")
ENDSTRUCT

/* DTC frame */
BEGIN_PSTRUCT ("dtc", S_DTC)
        SKIP_COMP ("v8")
        SKIP_COMP ("n_byte")
        SKIP_COMP ("ready_tx_fax")
        SKIP_COMP ("rec_fax_op")
        SKIP_COMP ("data_sig_rate")
        SKIP_COMP ("R8_lines_pels")
        SKIP_COMP ("two_dim_coding")
        SKIP_COMP ("rec_width")
        SKIP_COMP ("max_rec_len")
        SKIP_COMP ("min_scan_time")
        SKIP_COMP ("uncomp_mode")
        SKIP_COMP ("err_corr_mode")
        SKIP_COMP ("frame_size")
        SKIP_COMP ("t6_coding")
```

```
            SKIP_COMP ("R8_lines")
            SKIP_COMP ("r_300_pels")
            SKIP_COMP ("R16_lines_pels")
            SKIP_COMP ("resolution_type")
            SKIP_COMP ("i_res_pref")
            SKIP_COMP ("m_res_pref")
            SKIP_COMP ("min_scan_time_hr")
            SKIP_COMP ("sel_polling")
            SKIP_COMP ("subaddr")
            SKIP_COMP ("password")
            SKIP_COMP ("ready_tx_doc")
            SKIP_COMP ("bft")
            SKIP_COMP ("dtm")
            SKIP_COMP ("edi")
            SKIP_COMP ("btm")
            SKIP_COMP ("ready_tx_mixed")
            SKIP_COMP ("char_mode")
            SKIP_COMP ("mixed_mode")
            SKIP_COMP ("proc_mode_26")
            SKIP_COMP ("dig_network_cap")
            SKIP_COMP ("duplex")
            SKIP_COMP ("jpeg")
            SKIP_COMP ("full_colour")
            SKIP_COMP ("huffman_tables")
            SKIP_COMP ("r_12_bits_pel_comp")
            SKIP_COMP ("no_subsamp")
            SKIP_COMP ("cust_illum")
            SKIP_COMP ("cust_gamut")
            SKIP_COMP ("na_letter")
            SKIP_COMP ("na_legal")
            SKIP_COMP ("sing_prog_seq_coding_basic")
            SKIP_COMP ("sing_prog_seq_coding_L0")
ENDSTRUCT

/* HDLC frame */
BEGIN_PSTRUCT ("hdlc_info", S_HDLC_DCS)
            SET_COMP ("crp", NUM_0)
            SET_COMP ("c_pwd",        NUM_0)
            SKIP_COMP ("pwd")
            SET_COMP ("c_sub",        NUM_0)
            SKIP_COMP ("sub")
            SET_COMP ("c_sep",        NUM_0)
            SKIP_COMP ("sep")
            SET_COMP ("c_nsc",        NUM_0)
            SKIP_COMP ("nsc")
            SET_COMP ("c_nsf",        NUM_0)
            SKIP_COMP ("nsf")
            SET_COMP ("c_tsi",        NUM_0)
            SKIP_COMP ("tsi")
            SET_COMP ("c_cig",        NUM_0)
            SKIP_COMP ("cig")
            SET_COMP ("c_csi",        NUM_0)
            SKIP_COMP ("csi")
            SET_COMP ("c_nss",        NUM_0)
            SKIP_COMP ("nss")
            SET_COMP ("v_dis",        NUM_0)
            SKIP_COMP ("dis")
            SET_COMP ("v_dcs",        NUM_1)
            SET_COMP ("dcs",          S_DCS)
```

```
        SET_COMP ("v_dtc",        NUM_0)
        SKIP_COMP ("dtc")
ENDSTRUCT


BEGIN_PSTRUCT ("hdlc_info", S_HDLC_DIS)
        SET_COMP ("crp", NUM_0)
        SET_COMP ("c_pwd",        NUM_0)
        SKIP_COMP ("pwd")
        SET_COMP ("c_sub",        NUM_0)
        SKIP_COMP ("sub")
        SET_COMP ("c_sep",        NUM_0)
        SKIP_COMP ("sep")
        SET_COMP ("c_nsc",        NUM_0)
        SKIP_COMP ("nsc")
        SET_COMP ("c_nsf",        NUM_0)
        SKIP_COMP ("nsf")
        SET_COMP ("c_tsi",        NUM_0)
        SKIP_COMP ("tsi")
        SET_COMP ("c_cig",        NUM_0)
        SKIP_COMP ("cig")
        SET_COMP ("c_csi",        NUM_0)
        SKIP_COMP ("csi")
        SET_COMP ("c_nss",        NUM_0)
        SKIP_COMP ("nss")
        SET_COMP ("v_dis",        NUM_1)
        SET_COMP ("dis", S_DIS)
        SET_COMP ("v_dcs",        NUM_0)
        SKIP_COMP ("dcs")
        SET_COMP ("v_dtc",        NUM_0)
        SKIP_COMP ("dtc")
ENDSTRUCT


BEGIN_PSTRUCT ("hdlc_info", S_HDLC_DIS_9600)
        SET_COMP ("crp", NUM_0)
        SET_COMP ("c_pwd",        NUM_0)
        SKIP_COMP ("pwd")
        SET_COMP ("c_sub",        NUM_0)
        SKIP_COMP ("sub")
        SET_COMP ("c_sep",        NUM_0)
        SKIP_COMP ("sep")
        SET_COMP ("c_nsc",        NUM_0)
        SKIP_COMP ("nsc")
        SET_COMP ("c_nsf",        NUM_0)
        SKIP_COMP ("nsf")
        SET_COMP ("c_tsi",        NUM_0)
        SKIP_COMP ("tsi")
        SET_COMP ("c_cig",        NUM_0)
        SKIP_COMP ("cig")
        SET_COMP ("c_csi",        NUM_0)
        SKIP_COMP ("csi")
        SET_COMP ("c_nss",        NUM_0)
        SKIP_COMP ("nss")
        SET_COMP ("v_dis",        NUM_1)
        SET_COMP ("dis", S_DIS_9600)
        SET_COMP ("v_dcs",        NUM_0)
        SKIP_COMP ("dcs")
        SET_COMP ("v_dtc",        NUM_0)
        SKIP_COMP ("dtc")
ENDSTRUCT
```

```
BEGIN_PSTRUCT ("fac_inf", A_FAC_EMPTY)
        SET_COMP ("l_fac",        0)
        SET_COMP ("o_fac",        0)
        SKIP_COMP ("fac")
    ENDSTRUCT
```

/* Default Setup parameter for XID - no data compression,fullrate on 12kbit/s */

```
BYTE RLP_VERS 1
BYTE K_MS_IWF 61
BYTE K_IWF_MS 61
BYTE K_MS_IWF_4 4              /*reduced Windowsize used for GSM1110 Test Cases*/
BYTE K_IWF_MS_4 4             /*reduced Windowsize used for GSM1110 Test Cases*/
BYTE T1 48
BYTE T1_high 255                        /*high timer value for Test Cases*/
BYTE T2 20
BYTE N2 6
BYTE PT 0
BYTE P0 0
```
/* Currently L2R is set to not support data compression, as long as it is not integrated into DSP: */
```
BYTE P0_USED 0
SHORT P1 512
BYTE P2 6
BYTE P2_INVALID 251          /* invalid value for p2 */
BYTE BPP_25_2 50
BYTE BPP_25_10 250
BYTE RATE 2
BYTE RATE_14_4 3
SHORT BUF_SIZE 4096
SHORT BUF_SIZE_small 100
BYTE REQ_FRAMES 1
BYTE L2R_DTI_C_ID 0x4
SHORT UART_TUI 2
SHORT L2R_TUI 5
```

4 TEST CASES

4.1 Routing (internal)

4.1.1 ACIFD001: Setup the Routing and the PCO view for the ACI test, and set ACI to transparent mode

Description:
>   Routings for the ACI 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 (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 (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 T30 TAP)
COMMAND (MMI REDIRECT L2R TAP)
COMMAND (MMI REDIRECT RA TAP)
COMMAND (PL REDIRECT MMI NULL)
          |                             |                             |
COMMAND (TAP REDIRECT TAP MMI)
COMMAND (MMI REDIRECT MMI TAP)
          |                             |                             |
          |                             |                             |
```

Parametrization:

Primitive	Parameter	Value

History: 14.12.98   AK   Initial

4.1.2 ACIFD002: Preamble for tests with DTI

Description: Preamble for tests with DTI

Preamble:
```
          None
    APL                             ACI                             PS
     |                               |                               |
COMMAND (TAP RESET)
COMMAND (CC RESET)
COMMAND (MM RESET)
COMMAND (SIM RESET)
COMMAND (SS RESET)
COMMAND (SMS RESET)
COMMAND (UART RESET)
COMMAND (MMI RESET)
COMMAND (PL RESET)
     |                               |                               |
COMMAND (TAP REDIRECT CLEAR)
COMMAND (CC REDIRECT CLEAR)
TCOMMAND (MM REDIRECT CLEAR)
GOMMAND (SIM REDIRECT CLEAR)
COMMAND (SS REDIRECT CLEAR)
```

```
COMMAND (MMI REDIRECT CLEAR)
COMMAND (SMS REDIRECT CLEAR)
COMMAND (UART 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 T30 TAP)
COMMAND (MMI REDIRECT L2R TAP)
COMMAND (MMI REDIRECT UART TAP)
COMMAND (MMI REDIRECT RA TAP)
COMMAND (PL REDIRECT MMI NULL)
         |                              |                           |
COMMAND (TAP REDIRECT TAP MMI)
COMMAND (MMI REDIRECT MMI TUP)
         |                              |                           |
         |                              |                           |
```

Parametrization:

Primitive	Parameter	Value

History: 15.02.01   Clb   Initial

4.1.3 ACIFD003: 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:
          ACIFD002

```
    APL                          ACI                         PS
     |                            |                           |
COMMAND (MMI CONFIG START_DTI)
(1)  |                            |  UART_SET_PARAMETERS_REQ  |
     |                            *===========================> *
(2)  |                            |    UART_SET_ESCAPE_REQ    |
     |                            *===========================> *
(3)  |                            |     UART_SET_DTI_REQ      |
     |                            *===========================> *
(4)  |                            |     UART_SET_DTI_CNF      |
     |                            *<=========================== *
(5)  |                            |       UART_DCD_REQ        |
     |                            *===========================> *
(6)  |                            |     DTI_GETDATA_REQ       |
     |                            *===========================> *
(7)  |                            |      DTI_READY_IND        |
     |                            *<=========================== *
     |                            |                           |
```

Parametrization:

Primitive	Parameter	Value

```
(1)  UART_SET_PARAMETERS_REQ          device                      NUM_0
                                       comPar                      NOT_USED

(2)  UART_SET_ESCAPE_REQ              device                      NUM_0
                                       escChar
                                       UART_ESC_CHARACTER_DEFAULT
                                       guardPeriod
                                       UART_GUARD_PERIOD_DEF1000

(3)  UART_SET_DTI_REQ                 device                      NUM_0
                                       dlci                        NUM_0
                                       tui_uart                    NOT_USED
                                       tui_peer                    NOT_USED
                                       c_id                        NUM_1
                                       entity_name                 NOT_USED

(4)  UART_SET_DTI_CNF                 device                      NUM_0
                                       dlci                        NUM_0

(5)  UART_DCD_REQ                     device                      NUM_0
                                       dlci                        NUM_0
                                       line_state                  UART_LINE_ON

(6)  DTI_GETDATA_REQ                  tui                         NUM_1
                                       c_id                        NUM_1
                                       op_ack                      NOT_USED

(7)  DTI_READY_IND                    tui                         NUM_2
                                       c_id                        NUM_1
                                       op_ack                      NOT_USED
```

History: 15.02.01   Clb   Initial

4.1.4 ACIFD004: use verbose <err> values

Description:

Preamble:

```
        ACIFD001
    APL                              ACI                         PS
     |                                |                           |
(1)  |          ACI_CMD_REQ          |                           |
     |          (cmd: +CMEE=2)       |                           |
     * =========================> *                              |
(2)  |          ACI_CMD_IND          |                           |
     |           (msg: OK)           |                           |
     * <========================= *                              |
     |                                |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_CMEE_S
	cmd_seq	C_CMEE_S2
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 11.11.99   DAK   Initial

4.1.5 ACIFD005: UART Init

Description: Same as ACIFD003, but different config primitive sent, which creates ACI-UART-DTI-channel.

Preamble:
        ACIFD002

```
    APL                           ACI                          PS
     |                             |                            |
COMMAND (MMI CONFIG EXPAND_ATI_SRC_TST)
(1)  |                             |   UART_SET_PARAMETERS_REQ  |
     |                             *=========================> *
(2)  |                             |   UART_SET_PARAMETERS_CNF  |
     |                             *<========================= *
(3)  |                             |     UART_SET_ESCAPE_REQ    |
     |                             *=========================> *
(4)  |                             |     UART_SET_ESCAPE_CNF    |
     |                             *<========================= *
(5)  |                             |       UART_SET_DTI_REQ     |
     |                             *=========================> *
(6)  |                             |       UART_SET_DTI_CNF     |
     |                             *<========================= *
(7)  |                             |        DTI_READY_IND       |
     |                             *<========================= *
     |                             |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) UART_SET_PARAMETERS_REQ		
	device	NUM_0
	comPar	NOT_USED
(2) UART_SET_PARAMETERS_CNF		
	device	NUM_0
(3) UART_SET_ESCAPE_REQ		
	device	NUM_0
	escChar	
	UART_ESC_CHARACTER_DEFAULT	
	guardPeriod	NUM_1000
(4) UART_SET_ESCAPE_CNF		
	device	NUM_0
(5) UART_SET_DTI_REQ		
	device	NUM_0
	dlci	NUM_FF
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_4
	entity_name	NOT_USED
(6) UART_SET_DTI_CNF		
	device	NUM_0
	dlci	NUM_FF

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```
(7) DTI_READY_IND
                                      tui                          NUM_2
                                      c_id                         NUM_4
                                      op_ack                       NOT_USED
```

History: 15.02.01   Clb   Initial

4.2 Initialisation

4.2.1 ACIFD021: Power On

Description:

activate SIM card at power on

Preamble:
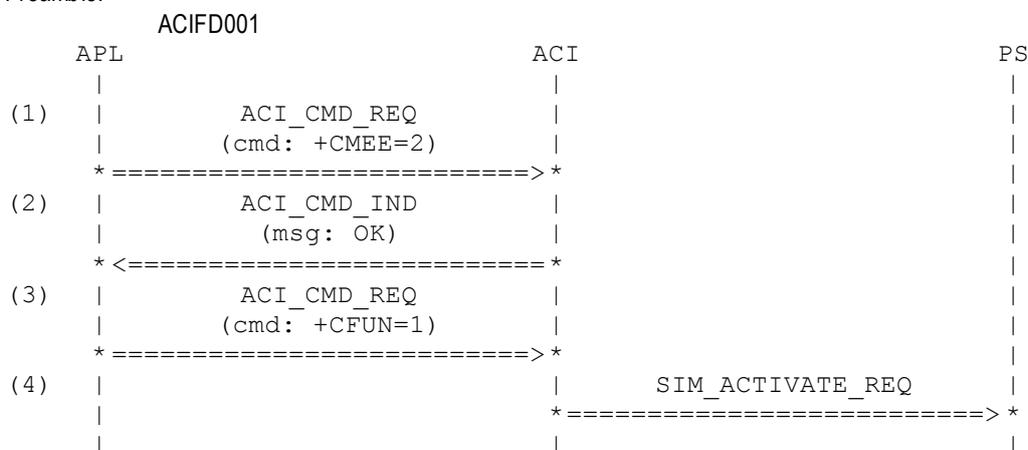
```
        ACIFD001
    APL                         ACI                      PS
     |                           |                        |
(1)  |        ACI_CMD_REQ        |                        |
     |       (cmd: +CMEE=2)      |                        |
     * =========================> *                       |
(2)  |        ACI_CMD_IND        |                        |
     |         (msg: OK)         |                        |
     * <========================= *                       |
(3)  |        ACI_CMD_REQ        |                        |
     |       (cmd: +CFUN=1)      |                        |
     * =========================> *                       |
(4)  |                           |     SIM_ACTIVATE_REQ   |
     |                           * ========================> *
     |                           |                        |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CMEE_VERB
	cmd_seq	C_PLUS_CMEE_VERB
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CFUN_FULL
	cmd_seq	C_PLUS_CFUN_FULL
(4) SIM_ACTIVATE_REQ		
	proc	SIM_INITIALISATION
	mmi_pro_file	NOT_USED
	stk_pro_file	NOT_USED

History: 10.08.98   ACI   Initial

4.3 FAX Transfer - Send a page +FDT

4.3.1 ACIFD031: MO FAX call setup

Description:

        Mobile originated FAX call setup

Preamble:

        ACIFD003

Variants:

        <A>...<B>

```
           APL                        ACI                        PS
            |                          |                          |
  (1)       |                          |    DTI_DATA_TEST_IND      |
            |                          | (cmd:AT+CBST=7,0,0;+CMOD=1) |
            |                          * <========================= *
  (2)       |                          |    DTI_DATA_TEST_REQ      |
            |                          |        (msg: A)           |
            |                          * =========================> *
  (3)       |                          |    MNCC_CONFIGURE_REQ     |
            |                          * =========================> *
  (4)       |                          |    DTI_GETDATA_REQ        |
            |                          * =========================> *
  (5)       |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (6)       |                          |    DTI_DATA_TEST_REQ      |
            |                          |    (msg: T+CBST..)        |
            |                          * =========================> *
  (7)       |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (8)       |                          |    DTI_DATA_TEST_IND      |
            |                          |    (cmd: AT+FCLASS=2.0)   |
            |                          * <========================= *
  (9)       |                          |    DTI_DATA_TEST_REQ      |
            |                          |        (msg: A)           |
            |                          * =========================> *
  (10)      |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (11)      |                          |    DTI_GETDATA_REQ        |
            |                          * =========================> *
  (12)      |                          |    DTI_DATA_TEST_REQ      |
            |                          |    (msg: T+FCLASS..)      |
            |                          * =========================> *
  (13)      |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (14)      |                          |    DTI_DATA_TEST_IND      |
            |                          |    (cmd: AT+FNR=1,1,1,0)  |
            |                          * <========================= *
  (15)      |                          |    DTI_DATA_TEST_REQ      |
            |                          |        (msg: A)           |
            |                          * =========================> *
  (16)      |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (17)      |                          |    DTI_GETDATA_REQ        |
            |                          * =========================> *
  (18)      |                          |    DTI_DATA_TEST_REQ      |
            |                          |    (msg: T+FNR..)         |
            |                          * =========================> *
  (19)      |                          |    DTI_READY_IND          |
            |                          * <========================= *
  (20)      |                          |    DTI_DATA_TEST_IND      |
            |                          | (AT+FIS=1,x,0,2,0,0,0,0)  |
            |                          * <========================= *
  (21)      |                          |    DTI_DATA_TEST_REQ      |
            |                          |        (msg: A)           |
            |                          * =========================> *
  (22)      |                          |    DTI_READY_IND          |
            |                          * <========================= *
```

```
(23)  |                              |        DTI_GETDATA_REQ        |
      |                              *============================> *
(24)  |                              |       DTI_DATA_TEST_REQ       |
      |                              |          (msg: T+FIS..)       |
      |                              *============================> *
(25)  |                              |         DTI_READY_IND         |
      |                              *<============================ *
(26)  |                              |       DTI_DATA_TEST_IND       |
      |                              |        (cmd: ATD123456)       |
      |                              *<============================ *
(27)  |                              |       DTI_DATA_TEST_REQ       |
      |                              |            (msg: A)           |
      |                              *============================> *
(28)  |                              |         MNCC_SETUP_REQ        |
      |                              *============================> *
(29)  |                              |         SIM_SYNC_REQ          |
      |                              *============================> *
(30)  |                              |         DTI_READY_IND         |
      |                              *<============================ *
(31)  |                              |         SIM_SYNC_CNF          |
      |                              *<============================ *
(32)  |                              |    MNCC_CALL_PROCEED_IND      |
      |                              *<============================ *
(33)  |                              |       MNCC_PROGRESS_IND       |
      |                              *<============================ *
(34)  |                              |        MNCC_ALERT_IND         |
      |                              *<============================ *
(35)  |                              |         MNCC_SYNC_IND         |
      |                              *<============================ *
(36)  |                              |        MNCC_SETUP_CNF         |
      |                              *<============================ *
(37)  |                              |       DTI_DATA_TEST_REQ       |
      |                              |         (msg: TD123..)        |
      |                              *============================> *
(38)  |                              |         DTI_READY_IND         |
      |                              *<============================ *
(39)  |                              |        RA_ACTIVATE_REQ        |
      |                              *============================> *
(40)  |                              |        RA_ACTIVATE_CNF        |
      |                              *<============================ *
(41)  |                              |       T30_ACTIVATE_REQ        |
      |                              *============================> *
(42)  |                              |       T30_ACTIVATE_CNF        |
      |                              *<============================ *
(43)  |                              |        T30_CONFIG_REQ         |
      |                              *============================> *
(44)  |                              |       T30_PREAMBLE_IND        |
      |                              *<============================ *
(45)  |                              |       DTI_DATA_TEST_REQ       |
      |                              |          (msg: +FCO)          |
      |                              *============================> *
(46)  |                              |         DTI_READY_IND         |
      |                              *<============================ *
      |                              |                              |
```

Parametrization:

Primitive	Parameter	Value
(1) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_96PLUS_CMOD_FAX
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(3) MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(4) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(5) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(6) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_CBST7
(7) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(8) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FCLASS_2_0
(9) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED

TEXAS INSTRUMENTS

	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(10) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(11) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(12) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FCLASS_2_0
(13) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(14) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FNR
(15) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(16) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(17) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(18) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED

		st_escape	NOT_USED
		sdu	F_M_PLUS_FNR
(19) DTI_READY_IND		tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(20) DTI_DATA_TEST_IND		tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
	<A>	sdu	F_C_PLUS_FIS3
	<B>	sdu	F_C_PLUS_FIS1
(21) DTI_DATA_TEST_REQ		tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(22) DTI_READY_IND		tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(23) DTI_GETDATA_REQ		tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(24) DTI_DATA_TEST_REQ		tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
	<A>	sdu	F_M_PLUS_FIS3
	<B>	sdu	F_M_PLUS_FIS1
(25) DTI_READY_IND		tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(26) DTI_DATA_TEST_IND		tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_D_DAT
(27) DTI_DATA_TEST_REQ		tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED

TEXAS INSTRUMENTS

	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(28) MNCC_SETUP_REQ	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	RI_CIRCULAR
	bcpara	S_BS_FAX
	bcpara2	S_BS_VOICE
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(29) SIM_SYNC_REQ	synccs	SYNC_START_CALL
(30) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(31) SIM_SYNC_CNF	param	NOT_USED
(32) MNCC_CALL_PROCEED_IND	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_FAX
	bcpara2	S_BS_NOT_PRESENT
(33) MNCC_PROGRESS_IND	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(34) MNCC_ALERT_IND	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(35) MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600
(36) MNCC_SETUP_CNF	ti	NUM_0
	res	RES_POS
	progress_desc	PROG_NOT_PRES
	connected_number	S_CLG_PARTY
	connected_number_sub	S_CLG_PARTY_SUB
(37) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_D_DAT
(38) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(39) RA_ACTIVATE_REQ	model	RA_MODEL_FAX
	tra_rate	TRA_FULLRATE_9600
	user_rate	URA_9600
	ndb	NUM_8

TEXAS
INSTRUMENTS

	nsb	NUM_1
	bitorder	NUM_0
(40) RA_ACTIVATE_CNF	ack_flg	RA_ACK

(41) T30_ACTIVATE_REQ	trans_rate	NUM_9600
	half_rate	NUM_0
	threshold	NUM_DEC_90
	frames_per_prim	NUM_3
	bitorder	NUM_0
(42) T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
	buf_size_tx	NUM_4800
(43) T30_CONFIG_REQ	hdlc_report	NUM_1
	test_mode	NOT_USED
(44) T30_PREAMBLE_IND		
(45) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FCO
(46) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

History: 10.08.98   ACI   Initial

TEXAS INSTRUMENTS

4.3.2 ACIFD032: MO FAX transfer (9600 bps) – first page

Description:

Mobile originated FAX transfer (9600 bps)

Preamble:

ACIFD031A

Variants:

<A>...<B>

TEXAS
INSTRUMENTS

```
        APL                        ACI                         PS
         |                          |                          |
  (1)    |                          |        T30_CAP_IND        |
         |                          * <========================= *
  (2)    |                          |      DTI_DATA_TEST_REQ     |
         |                          |   (+FIS:1,3,0,2,0,0,0,0)   |
         |                          * =========================> *
  (3)    |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (4)    |                          |       DTI_GETDATA_REQ      |
         |                          * =========================> *
  (5)    |                          |      DTI_DATA_TEST_REQ     |
         |                          |         (msg: OK)          |
         |                          * =========================> *
  (6)    |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (7)    |                          |      DTI_DATA_TEST_IND     |
         |                          |       (cmd: AT+FDT)        |
         |                          * <========================= *
  (8)    |                          |      DTI_DATA_TEST_REQ     |
         |                          |         (msg: A)           |
         |                          * =========================> *
  (9)    |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (10)   |                          |        T30_CAP_REQ         |
         |                          * =========================> *
  (11)   |                          |       T30_MODIFY_REQ       |
         |                          * =========================> *
  (12)   |                          |      DTI_DATA_TEST_REQ     |
         |                          |   (msg: T+FDT^M+FCS:...)   |
         |                          * =========================> *
  (13)   |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (14)   |                          |        T30_PHASE_IND       |
         |                          |           (MSG)           |
         |                          * <========================= *
  (15)   |                          |      DTI_DATA_TEST_REQ     |
         |                          |      (msg: CONNECT)       |
         |                          * =========================> *
  (16)   |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (17)   |                          |       DTI_GETDATA_REQ      |
         |                          * =========================> *
  (18)   |                          |       UART_SET_DTI_REQ     |
         |                          * =========================> *
  (19)   |                          |       UART_SET_DTI_CNF     |
         |                          * <========================= *
  (20)   |                          |        T30_DTI_REQ         |
         |                          |     (T30_CONNECT_DTI)      |
         |                          * =========================> *
  (21)   |                          |        DTI_READY_IND       |
         |                          * <========================= *
  (22)   |                          |        T30_DTI_CNF         |
         |                          |     (T30_CONNECT_DTI)      |
         |                          * <========================= *
  (23)   |                          |        T30_PHASE_IND       |
         |                          |           (BCS)           |
         |                          * <========================= *
         |                          |                          |
```

```
(24)   |                              |            T30_DTI_REQ         |
       |                              |        (T30_DISCONNECT_DTI)    |
       |                              *==============================> *
(25)   |                              |            T30_DTI_CNF         |
       |                              |        (T30_DISCONNECT_DTI)    |
       |                              *<============================== *
(26)   |                              |          UART_SET_DTI_REQ      |
       |                              *==============================> *
(27)   |                              |          UART_SET_DTI_CNF      |
       |                              *<============================== *
(28)   |                              |            UART_DCD_REQ        |
       |                              *==============================> *
(29)   |                              |          DTI_GETDATA_REQ       |
       |                              *==============================> *
(30)   |                              |           DTI_READY_IND        |
       |                              *<============================== *
(31)   |                              |            T30_SGN_IND         |
       |                              |          (SGN_EOP/MPS)         |
       |                              *<============================== *
       |                              |                               |
```

Parametrization:

Primitive	Parameter	Value
(1) T30_CAP_IND	hdlc_info	S_HDLC_DIS_9600
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FIS
(3) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(4) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(5) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK
(6) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(7) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDT
(8) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(9) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(10) T30_CAP_REQ	hdlc_info	NOT_USED

(11) T30_MODIFY_REQ	trans_rate	NUM_9600
	half_rate	NUM_0
(12) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FDT_FCS
(13) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(14) T30_PHASE_IND	phase	MSG_PHASE
(15) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT
(16) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(17) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(18) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(19) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(20) T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(21) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(22) T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(23) T30_PHASE_IND	phase	BCS_PHASE
(24) T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED

	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(25) T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(26) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(27) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(28) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(29) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(30) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(31) T30_SGN_IND		
<A>	sgn	SGN_EOP
<B>	sgn	SGN_MPS

History: 3.3.2001   KJF   Initial

4.3.3 ACIFD033: MO FAX transfer (9600 bps) – first page is last page

Description:
    Mobile originated FAX transfer (9600 bps)

Preamble:
        ACIFD032A

```
    APL                         ACI                         PS
     |                           |                           |
(1)  |                           |          T30_SGN_REQ      |
     |                           |          (SGN_EOP)        |
     |                           *=========================> *
(2)  |                           |          T30_CMPL_IND     |
     |                           |          (CMPL_EOP)       |
     |                           *<========================= *
(3)  |                           |       DTI_DATA_TEST_REQ   |
     |                           |        (msg: +FHS:00)     |
     |                           *=========================> *
(4)  |                           |          DTI_READY_IND    |
     |                           *<========================= *
     |                           |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) T30_SGN_REQ	sgn	SGN_EOP
(2) T30_CMPL_IND	cmpl	CMPL_EOP
(3) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FHS
(4) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

History: 3.3.2001   KJF   Initial

4.3.4 ACIFD034: MO FAX transfer (9600 bps) – second page is last page

Description:
Mobile originated FAX transfer (9600 bps)

Preamble:
ACIFD032B

```
         APL                            ACI                            PS
          |                              |                              |
(1)       |                              |         T30_SGN_REQ          |
          |                              |        (cmd: SGN_MPS)        |
          |                              *============================> *
(2)       |                              |       DTI_DATA_TEST_REQ      |
          |                              |          (msg: OK)           |
          |                              *============================> *
(3)       |                              |        DTI_READY_IND         |
          |                              *<============================ *
(4)       |                              |       DTI_DATA_TEST_IND      |
          |                              |        (cmd: AT+FDT)         |
          |                              *<============================ *
(5)       |                              |        DTI_GETDATA_REQ       |
          |                              *============================> *
(6)       |                              |       DTI_DATA_TEST_REQ      |
          |                              |          (msg: A)            |
          |                              *============================> *
(7)       |                              |        DTI_READY_IND         |
          |                              *<============================ *
(8)       |                              |       DTI_DATA_TEST_REQ      |
          |                              |        (msg: T+FDT)          |
          |                              *============================> *
(9)       |                              |        DTI_READY_IND         |
          |                              *<============================ *
(10)      |                              |        T30_PHASE_IND         |
          |                              |           (MSG)              |
          |                              *<============================ *
(11)      |                              |       DTI_DATA_TEST_REQ      |
          |                              |        (msg: CONNECT)        |
          |                              *============================> *
(12)      |                              |        DTI_READY_IND         |
          |                              *<============================ *
(13)      |                              |        DTI_GETDATA_REQ       |
          |                              *============================> *
(14)      |                              |       UART_SET_DTI_REQ       |
          |                              *============================> *
(15)      |                              |       UART_SET_DTI_CNF       |
          |                              *<============================ *
(16)      |                              |         T30_DTI_REQ          |
          |                              |       (T30_CONNECT_DTI)      |
          |                              *============================> *
(17)      |                              |         T30_DTI_CNF          |
          |                              |       (T30_CONNECT_DTI)      |
          |                              *<============================ *
(18)      |                              |        T30_PHASE_IND         |
          |                              |           (BCS)              |
          |                              *<============================ *
(19)      |                              |         T30_DTI_REQ          |
          |                              |     (T30_DISCONNECT_DTI)     |
          |                              *============================> *
```

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```
(20)  |                              |         T30_DTI_CNF          |
      |                              |     (T30_DISCONNECT_DTI)     |
      |                              * <========================== *
(21)  |                              |       UART_SET_DTI_REQ       |
      |                              * ==========================> *
(22)  |                              |       UART_SET_DTI_CNF       |
      |                              * <========================== *
(23)  |                              |         UART_DCD_REQ         |
      |                              * ==========================> *
(24)  |                              |       DTI_GETDATA_REQ        |
      |                              * ==========================> *
(25)  |                              |        DTI_READY_IND         |
      |                              * <========================== *
(26)  |                              |         T30_SGN_IND          |
      |                              |         (SGN_EOP)            |
      |                              * <========================== *
(27)  |                              |         T30_SGN_REQ          |
      |                              |         (SGN_EOP)            |
      |                              * ==========================> *
(28)  |                              |        T30_CMPL_IND          |
      |                              |         (CMPL_EOP)           |
      |                              * <========================== *
(29)  |                              |      DTI_DATA_TEST_REQ       |
      |                              |      (msg: +FHS:00)          |
      |                              * ==========================> *
(30)  |                              |        DTI_READY_IND         |
      |                              * <========================== *
      |                              |                             |
```

Parametrization:

Primitive	Parameter	Value
(1) T30_SGN_REQ	sgn	SGN_MPS
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK
(3) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(4) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDT
(5) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(6) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(7) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(8) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FDT
(9) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(10) T30_PHASE_IND	phase	MSG_PHASE

(11) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT
(12) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(13) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(14) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(15) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(16) T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(17) T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(18) T30_PHASE_IND	phase	BCS_PHASE
(19) T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(20) T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(21) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(22) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(23) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(24) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED

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(25) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(26) T30_SGN_IND	sgn	SGN_EOP
(27) T30_SGN_REQ	sgn	SGN_EOP
(28) T30_CMPL_IND	cmpl	CMPL_EOP
(29) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FHS
(30) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

TEXAS
INSTRUMENTS

History: 3.3.2001   KJF   Initial

4.3.5 ACIFD035: MO FAX transfer (9600 bps – mobile initiated CMM 4800 bps)

Description:
　　　　　　　Mobile originated FAX (9600 bps – mobile initiated CMM 4800 bps)

Preamble:
　　　　　　　ACIFD031B

```
       APL                        ACI                              PS
        |                          |                               |
 (1)    |                          |          T30_CAP_IND           |
        |                          * <======================== *
 (2)    |                          |       DTI_DATA_TEST_REQ        |
        |                          |    (+FIS:1,3,0,2,0,0,0,0)      |
        |                          * ========================> *
 (3)    |                          |         DTI_READY_IND          |
        |                          * <======================== *
 (4)    |                          |        DTI_GETDATA_REQ         |
        |                          * ========================> *
 (5)    |                          |       DTI_DATA_TEST_REQ        |
        |                          |           (msg: OK)            |
        |                          * ========================> *
 (6)    |                          |         DTI_READY_IND          |
        |                          * <======================== *
 (7)    |                          |       DTI_DATA_TEST_IND        |
        |                          |         (cmd: AT+FDT)          |
        |                          * <======================== *
 (8)    |                          |       DTI_DATA_TEST_REQ        |
        |                          |           (msg: A)             |
        |                          * ========================> *
 (9)    |                          |         DTI_READY_IND          |
        |                          * <======================== *
(10)    |                          |          T30_CAP_REQ           |
        |                          * ========================> *
(11)    |                          |         MNCC_SYNC_IND          |
        |                          * <======================== *
(12)    |                          |       DTI_DATA_TEST_REQ        |
        |                          | (T+FDT^M+FCS:1,1,0,2,0...) |
        |                          * ========================> *
(13)    |                          |         DTI_READY_IND          |
        |                          * <======================== *
(14)    |                          |         RA_MODIFY_REQ          |
        |                          * ========================> *
(15)    |                          |         RA_MODIFY_CNF          |
        |                          * <======================== *
(16)    |                          |         T30_MODIFY_REQ         |
        |                          * ========================> *
(17)    |                          |         T30_PHASE_IND          |
        |                          |            (MSG)               |
        |                          * <======================== *
(18)    |                          |       DTI_DATA_TEST_REQ        |
        |                          |        (msg: CONNECT)          |
        |                          * ========================> *
(19)    |                          |         DTI_READY_IND          |
        |                          * <======================== *
(20)    |                          |        DTI_GETDATA_REQ         |
        |                          * ========================> *
(21)    |                          |        UART_SET_DTI_REQ        |
        |                          * ========================> *
```

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```
(22)  |                              |         UART_SET_DTI_CNF         |
      |                              * <=============================== *
(23)  |                              |            T30_DTI_REQ           |
      |                              |         (T30_CONNECT_DTI)        |
      |                              * ============================> *
(24)  |                              |            T30_DTI_CNF           |
      |                              |         (T30_CONNECT_DTI)        |
      |                              * <=============================== *
(25)  |                              |           T30_PHASE_IND          |
      |                              |               (BCS)              |
      |                              * <=============================== *
(26)  |                              |            T30_DTI_REQ           |
      |                              |       (T30_DISCONNECT_DTI)       |
      |                              * ============================> *
(27)  |                              |            T30_DTI_CNF           |
      |                              |       (T30_DISCONNECT_DTI)       |
      |                              * <=============================== *
(28)  |                              |         UART_SET_DTI_REQ         |
      |                              * ============================> *
(29)  |                              |         UART_SET_DTI_CNF         |
      |                              * <=============================== *
(30)  |                              |           UART_DCD_REQ           |
      |                              * ============================> *
(31)  |                              |         DTI_GETDATA_REQ          |
      |                              * ============================> *
(32)  |                              |          DTI_READY_IND           |
      |                              * <=============================== *
(33)  |                              |           T30_SGN_IND            |
      |                              |            (SGN_EOP)             |
      |                              * <=============================== *
(34)  |                              |           T30_SGN_REQ            |
      |                              |            (SGN_EOP)             |
      |                              * ============================> *
(35)  |                              |           T30_CMPL_IND           |
      |                              |            (CMPL_EOP)            |
      |                              * <=============================== *
(36)  |                              |         DTI_DATA_TEST_REQ        |
      |                              |         (msg: +FHS:00)           |
      |                              * ============================> *
(37)  |                              |          DTI_READY_IND           |
      |                              * <=============================== *
      |                              |                                 |
```

Parametrization:

Primitive	Parameter	Value
(1) T30_CAP_IND		
	hdlc_info	S_HDLC_DIS_9600
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FIS
(3) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(4) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(5) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK
(6) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(7) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDT
(8) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(9) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(10) T30_CAP_REQ	hdlc_info	NOT_USED

(11) MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_4800
(12) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FDT_FCS1102
(13) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(14) RA_MODIFY_REQ	tra_rate	TRA_FULLRATE_4800
	user_rate	NOT_USED
(15) RA_MODIFY_CNF		
(16) T30_MODIFY_REQ	trans_rate	NUM_4800
	half_rate	NUM_0
(17) T30_PHASE_IND	phase	MSG_PHASE
(18) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT
(19) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(20) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(21) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(22) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(23) T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(24) T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(25) T30_PHASE_IND	phase	BCS_PHASE

(26) T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NUM_1
	dti_direction	T30_DTI_NORMAL
(27) T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(28) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(29) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(30) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(31) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(32) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(33) T30_SGN_IND	sgn	SGN_EOP
(34) T30_SGN_REQ	sgn	SGN_EOP
(35) T30_CMPL_IND	cmpl	CMPL_EOP
(36) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FHS
(37) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

History: 10.08.98   ACI   Initial

TEXAS
INSTRUMENTS

4.3.6 ACIFD036: MO FAX call (transmit 2 pages complete)

Description:

Mobile originated FAX call (transmit 2 pages complete)

Preamble:

ACIFD002

TEXAS INSTRUMENTS

```
        APL                           ACI                           PS
         |                             |                             |
COMMAND (MMI CONFIG START_DTI)
         |                             |                             |
(1)      |                             |     UART_SET_PARAMETERS_REQ  |
         |                             *============================> *
(2)      |                             |      UART_SET_ESCAPE_REQ     |
         |                             *============================> *
(3)      |                             |       UART_SET_DTI_REQ       |
         |                             *============================> *
(4)      |                             |       UART_SET_DTI_CNF       |
         |                             * <============================ *
(5)      |                             |        UART_DCD_REQ          |
         |                             *============================> *
(6)      |                             |       DTI_GETDATA_REQ        |
         |                             *============================> *
(7)      |                             |       DTI_READY_IND          |
         |                             * <============================ *
(8)      |                             |      DTI_DATA_TEST_IND        |
         |                             |  (ATE0;+CBST=7,0,0;+CMOD=1)  |
         |                             * <============================ *
(9)      |                             |      DTI_DATA_TEST_REQ        |
         |                             |         (msg: A)             |
         |                             *============================> *
(10)     |                             |     MNCC_CONFIGURE_REQ        |
         |                             *============================> *
(11)     |                             |       DTI_GETDATA_REQ        |
         |                             *============================> *
(12)     |                             |       DTI_READY_IND          |
         |                             * <============================ *
(13)     |                             |      DTI_DATA_TEST_REQ        |
         |                             |  (msg: TE0;+CBST=7,0,0;..)   |
         |                             *============================> *
(14)     |                             |       DTI_READY_IND          |
         |                             * <============================ *
(15)     |                             |      DTI_DATA_TEST_IND        |
         |                             |    (cmd: AT+FCLASS=2.0)      |
         |                             * <============================ *
(16)     |                             |      DTI_DATA_TEST_REQ        |
         |                             |         (msg: OK)            |
         |                             *============================> *
(17)     |                             |       DTI_READY_IND          |
         |                             * <============================ *
(18)     |                             |       DTI_GETDATA_REQ        |
         |                             *============================> *
(19)     |                             |      DTI_DATA_TEST_IND        |
         |                             |    (cmd: AT+FNR=1,1,1,0)     |
         |                             * <============================ *
(20)     |                             |      DTI_DATA_TEST_REQ        |
         |                             |         (msg: OK)            |
         |                             *============================> *
(21)     |                             |       DTI_READY_IND          |
         |                             * <============================ *
(22)     |                             |       DTI_GETDATA_REQ        |
         |                             *============================> *
(23)     |                             |      DTI_DATA_TEST_IND        |
         |                             |  (AT+FIS=1,x,0,2,0,0,0,0)    |
         |                             * <============================ *
         |                             |                             |
```

TEXAS INSTRUMENTS

```
(24)  |                          |       DTI_DATA_TEST_REQ      |
      |                          |            (msg: OK)         |
      |                          *===========================> *
(25)  |                          |        DTI_READY_IND         |
      |                          *<=========================== *
(26)  |                          |        DTI_GETDATA_REQ       |
      |                          *===========================> *
(27)  |                          |       DTI_DATA_TEST_IND      |
      |                          |       (cmd: ATD123456)       |
      |                          *<=========================== *
(28)  |                          |        MNCC_SETUP_REQ        |
      |                          *===========================> *
(29)  |                          |         SIM_SYNC_REQ         |
      |                          *===========================> *
(30)  |                          |        DTI_READY_IND         |
      |                          *<=========================== *
(31)  |                          |         SIM_SYNC_CNF         |
      |                          *<=========================== *
(32)  |                          |    MNCC_CALL_PROCEED_IND     |
      |                          *<=========================== *
(33)  |                          |      MNCC_PROGRESS_IND       |
      |                          *<=========================== *
(34)  |                          |       MNCC_ALERT_IND         |
      |                          *<=========================== *
(35)  |                          |        MNCC_SYNC_IND         |
      |                          *<=========================== *
(36)  |                          |        MNCC_SETUP_CNF        |
      |                          *<=========================== *
(37)  |                          |        RA_ACTIVATE_REQ       |
      |                          *===========================> *
(38)  |                          |        RA_ACTIVATE_CNF       |
      |                          *<=========================== *
(39)  |                          |       T30_ACTIVATE_REQ       |
      |                          *===========================> *
(40)  |                          |       T30_ACTIVATE_CNF       |
      |                          *<=========================== *
(41)  |                          |        T30_CONFIG_REQ        |
      |                          *===========================> *
(42)  |                          |       T30_PREAMBLE_IND       |
      |                          *<=========================== *
(43)  |                          |       DTI_DATA_TEST_REQ      |
      |                          |           (msg: +FCO)        |
      |                          *===========================> *
(44)  |                          |        DTI_READY_IND         |
      |                          *<=========================== *
(45)  |                          |         T30_CAP_IND          |
      |                          *<=========================== *
(46)  |                          |       DTI_DATA_TEST_REQ      |
      |                          |   (+FIS:1,3,0,2,0,0,0,0)     |
      |                          *===========================> *
(47)  |                          |        DTI_READY_IND         |
      |                          *<=========================== *
(48)  |                          |        DTI_GETDATA_REQ       |
      |                          *===========================> *
(49)  |                          |       DTI_DATA_TEST_REQ      |
      |                          |            (msg: OK)         |
      |                          *===========================> *
(50)  |                          |        DTI_READY_IND         |
      |                          *<=========================== *
```

```
(51) |                           |       DTI_DATA_TEST_IND     |
     |                           |          (cmd: AT+FDT)      |
     |                           * <=========================== *
(52) |                           |          T30_CAP_REQ        |
     |                           * ===========================> *
(53) |                           |         T30_MODIFY_REQ      |
     |                           * ===========================> *
(54) |                           |       DTI_DATA_TEST_REQ     |
     |                           |  (+FCS:1,3,0,2,0,0,0,0,0)   |
     |                           * ===========================> *
(55) |                           |         DTI_READY_IND       |
     |                           * <=========================== *
(56) |                           |         T30_PHASE_IND       |
     |                           |             (MSG)           |
     |                           * <=========================== *
(57) |                           |       DTI_DATA_TEST_REQ     |
     |                           |       (msg: CONNECT)        |
     |                           * ===========================> *
(58) |                           |         DTI_READY_IND       |
     |                           * <=========================== *
(59) |                           |        DTI_GETDATA_REQ      |
     |                           * ===========================> *
(60) |                           |       UART_SET_DTI_REQ      |
     |                           * ===========================> *
(61) |                           |       UART_SET_DTI_CNF      |
     |                           * <=========================== *
(62) |                           |          T30_DTI_REQ        |
     |                           |       (T30_CONNECT_DTI)     |
     |                           * ===========================> *
(63) |                           |         DTI_READY_IND       |
     |                           * <=========================== *
(64) |                           |          T30_DTI_CNF        |
     |                           |       (T30_CONNECT_DTI)     |
     |                           * <=========================== *
(65) |                           |         T30_PHASE_IND       |
     |                           |             (BCS)           |
     |                           * <=========================== *
(66) |                           |          T30_DTI_REQ        |
     |                           |     (T30_DISCONNECT_DTI)    |
     |                           * ===========================> *
(67) |                           |          T30_DTI_CNF        |
     |                           |     (T30_DISCONNECT_DTI)    |
     |                           * <=========================== *
(68) |                           |       UART_SET_DTI_REQ      |
     |                           * ===========================> *
(69) |                           |       UART_SET_DTI_CNF      |
     |                           * <=========================== *
(70) |                           |         UART_DCD_REQ        |
     |                           * ===========================> *
(71) |                           |        DTI_GETDATA_REQ      |
     |                           * ===========================> *
(72) |                           |         DTI_READY_IND       |
     |                           * <=========================== *
(73) |                           |          T30_SGN_IND        |
     |                           |          (SGN_MPS)          |
     |                           * <=========================== *
(74) |                           |          T30_SGN_REQ        |
     |                           |        (cmd: SGN_MPS)       |
     |                           * ===========================> *
```

TEXAS INSTRUMENTS

```
(75)  |                          |        DTI_DATA_TEST_REQ         |
      |                          |             (msg: OK)            |
      |                          *===========================> *
(76)  |                          |          DTI_READY_IND           |
      |                          *<=========================== *
(77)  |                          |        DTI_DATA_TEST_IND         |
      |                          |          (cmd: AT+FDT)           |
      |                          *<=========================== *
(78)  |                          |          DTI_GETDATA_REQ         |
      |                          *===========================> *
(79)  |                          |          T30_PHASE_IND           |
      |                          |              (MSG)               |
      |                          *<=========================== *
(80)  |                          |        DTI_DATA_TEST_REQ         |
      |                          |          (msg: CONNECT)          |
      |                          *===========================> *
(81)  |                          |          DTI_READY_IND           |
      |                          *<=========================== *
(82)  |                          |          DTI_GETDATA_REQ         |
      |                          *===========================> *
(83)  |                          |          UART_SET_DTI_REQ        |
      |                          *===========================> *
(84)  |                          |          UART_SET_DTI_CNF        |
      |                          *<=========================== *
(85)  |                          |          T30_DTI_REQ             |
      |                          |        (T30_CONNECT_DTI)         |
      |                          *===========================> *
(86)  |                          |          T30_DTI_CNF             |
      |                          |        (T30_CONNECT_DTI)         |
      |                          *<=========================== *
(87)  |                          |          T30_PHASE_IND           |
      |                          |              (BCS)               |
      |                          *<=========================== *
(88)  |                          |          T30_DTI_REQ             |
      |                          |        (T30_DISCONNECT_DTI)      |
      |                          *===========================> *
(89)  |                          |          T30_DTI_CNF             |
      |                          |        (T30_DISCONNECT_DTI)      |
      |                          *<=========================== *
(90)  |                          |          UART_SET_DTI_REQ        |
      |                          *===========================> *
(91)  |                          |          UART_SET_DTI_CNF        |
      |                          *<=========================== *
(92)  |                          |          UART_DCD_REQ            |
      |                          *===========================> *
(93)  |                          |          DTI_GETDATA_REQ         |
      |                          *===========================> *
(94)  |                          |          DTI_READY_IND           |
      |                          *<=========================== *
(95)  |                          |          T30_SGN_IND             |
      |                          |            (SGN_EOP)             |
      |                          *<=========================== *
(96)  |                          |          T30_SGN_REQ             |
      |                          |            (SGN_EOP)             |
      |                          *===========================> *
(97)  |                          |          T30_CMPL_IND            |
      |                          |            (CMPL_EOP)            |
      |                          *<=========================== *
```

```
(98)   |                              |      DTI_DATA_TEST_REQ     |
       |                              |        (msg: +FHS:00)     |
       |                              *===========================> *
(99)   |                              |        DTI_READY_IND       |
       |                              *<=========================== *
(100)  |                              |      T30_DEACTIVATE_REQ    |
       |                              *===========================> *
(101)  |                              |      T30_DEACTIVATE_CNF    |
       |                              *<=========================== *
(102)  |                              |       RA_DEACTIVATE_REQ    |
       |                              *===========================> *
(103)  |                              |       RA_DEACTIVATE_CNF    |
       |                              *<=========================== *
(104)  |                              |         SIM_SYNC_REQ       |
       |                              *===========================> *
(105)  |                              |      MNCC_DISCONNECT_REQ   |
       |                              *===========================> *
(106)  |                              |       MNCC_RELEASE_IND     |
       |                              *<=========================== *
       |                              |                            |
```

TEXAS INSTRUMENTS

Parametrization:

Primitive	Parameter	Value
(1) UART_SET_PARAMETERS_REQ	device	NUM_0
	comPar	NOT_USED
(2) UART_SET_ESCAPE_REQ	device	NUM_0
	escChar	
	UART_ESC_CHARACTER_DEFAULT	
	guardPeriod	
	UART_GUARD_PERIOD_DEF1000	
(3) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(4) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(5) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(6) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(7) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(8) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	
	F_C_ATE096PLUS_CMOD_FAX	
(9) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(10) MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(11) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED

(12)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_TE0CBST7

(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

(15)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FCLASS_2_0

(16)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK

(17)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

(18)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

(19)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FNR

(20)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED

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		st_escape	NOT_USED
		sdu	F_M_OK
(21)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(22)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(23)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FIS3
(24)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(25)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(26)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(27)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_D_DAT
(28)	MNCC_SETUP_REQ	ti	NUM_0
		prio	PRIO_NORM_CALL
		ri	RI_CIRCULAR
		bcpara	S_BS_FAX
		bcpara2	S_BS_VOICE
		called_party	S_CLD_PARTY
		called_party_sub	S_CLD_PARTY_SUB
		clir_sup	NOT_PRESENT_8BIT
		fac_inf	NOT_USED
(29)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(30)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

(31)	SIM_SYNC_CNF	param	NOT_USED
(32)	MNCC_CALL_PROCEED_IND	ti	NUM_0
		progress_desc	PROG_NOT_PRES
		ri	NOT_PRESENT_8BIT
		bcpara	S_BS_FAX
		bcpara2	S_BS_NOT_PRESENT
(33)	MNCC_PROGRESS_IND	ti	NUM_0
		progress_desc	PROG_NOT_PRES
(34)	MNCC_ALERT_IND	ti	NUM_0
		progress_desc	PROG_NOT_PRES
(35)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(36)	MNCC_SETUP_CNF	ti	NUM_0
		res	RES_POS
		progress_desc	PROG_NOT_PRES
		connected_number	S_CLG_PARTY
		connected_number_sub	S_CLG_PARTY_SUB
(37)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(38)	RA_ACTIVATE_CNF	ack_flg	RA_ACK

(39)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(40)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(41)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(42)	T30_PREAMBLE_IND		
(43)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(44)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(45)	T30_CAP_IND	hdlc_info	S_HDLC_DIS_9600
(46)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FIS
(47)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(48)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(49)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(50)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(51)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED

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		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDT
(52)	T30_CAP_REQ	hdlc_info	NOT_USED
(53)	T30_MODIFY_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
(54)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FCS1302
(55)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(56)	T30_PHASE_IND	phase	MSG_PHASE
(57)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(58)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(59)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(60)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(61)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(62)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL

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(63)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(64)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(65)	T30_PHASE_IND	phase	BCS_PHASE
(66)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(67)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(68)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(69)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(70)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(71)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(72)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(73)	T30_SGN_IND	sgn	SGN_MPS
(74)	T30_SGN_REQ	sgn	SGN_MPS
(75)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(76)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(77)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDT

(78)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(79)	T30_PHASE_IND	phase	MSG_PHASE
(80)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(81)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(82)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(83)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(84)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(85)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(86)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(87)	T30_PHASE_IND	phase	BCS_PHASE
(88)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(89)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(90)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(91)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0

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(92)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(93)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(94)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(95)	T30_SGN_IND	sgn	SGN_EOP
(96)	T30_SGN_REQ	sgn	SGN_EOP
(97)	T30_CMPL_IND	cmpl	CMPL_EOP
(98)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FHS
(99)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(100)	T30_DEACTIVATE_REQ		
(101)	T30_DEACTIVATE_CNF		
(102)	RA_DEACTIVATE_REQ		
(103)	RA_DEACTIVATE_CNF		
(104)	SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(105)	MNCC_DISCONNECT_REQ	ti	NUM_0
		cause	CAUSE_CALL_CLEAR
(106)	MNCC_RELEASE_IND	ti	NUM_0
		cause	CAUSE_CALL_CLEAR

History: 27.06.2001   KJF   Initial

4.4 FAX Transfer- Receive a page +FDR

4.4.1 ACIFD041: Mobile terminated FAX call establishment – first page

Description:

Mobile terminated FAX call establishment

Preamble:

ACIFD003

Variants:

<A>...<B>

```
            APL                        ACI                        PS
             |                          |                          |
(1)          |                          |       DTI_DATA_TEST_IND   |
             |                          | (cmd:AT+CBST=7,0,0;+CMOD=1) |
             |                          * <======================== *
(2)          |                          |       DTI_DATA_TEST_REQ   |
             |                          |            (msg: A)        |
             |                          * ========================> *
(3)          |                          |      MNCC_CONFIGURE_REQ    |
             |                          * ========================> *
(4)          |                          |       DTI_GETDATA_REQ      |
             |                          * ========================> *
(5)          |                          |        DTI_READY_IND       |
             |                          * <======================== *
(6)          |                          |       DTI_DATA_TEST_REQ    |
             |                          |         (msg: T+CBST..)    |
             |                          * ========================> *
(7)          |                          |        DTI_READY_IND       |
             |                          * <======================== *
(8)          |                          |       MNCC_SETUP_IND       |
             |                          * <======================== *
(9)          |                          |       DTI_DATA_TEST_REQ    |
             |                          |          (msg: RING)       |
             |                          * ========================> *
(10)         |                          |        DTI_READY_IND       |
             |                          * <======================== *
(11)         |                          |       MNCC_ALERT_REQ       |
             |                          * ========================> *
(12)         |                          |       DTI_DATA_TEST_IND    |
             |                          |          (cmd: ATA)        |
             |                          * <======================== *
(13)         |                          |       DTI_DATA_TEST_REQ    |
             |                          |            (msg: A)        |
             |                          * ========================> *
(14)         |                          |        DTI_READY_IND       |
             |                          * <======================== *
(15)         |                          |       MNCC_SETUP_RES       |
             |                          * ========================> *
(16)         |                          |        SIM_SYNC_REQ        |
             |                          * ========================> *
(17)         |                          |       DTI_DATA_TEST_REQ    |
             |                          |          (msg: TA^M)       |
             |                          * ========================> *
(18)         |                          |        DTI_READY_IND       |
             |                          * <======================== *
(19)         |                          |        MNCC_SYNC_IND       |
             |                          * <======================== *
(20)         |                          |     MNCC_SETUP_COMPL_IND   |
             |                          * <======================== *
(21)         |                          |       RA_ACTIVATE_REQ      |
             |                          * ========================> *
(22)         |                          |       RA_ACTIVATE_CNF      |
             |                          * <======================== *
(23)         |                          |       T30_ACTIVATE_REQ     |
             |                          * ========================> *
(24)         |                          |       T30_ACTIVATE_CNF     |
             |                          * <======================== *
```

TEXAS INSTRUMENTS

```
(25)  |                          |          T30_CONFIG_REQ          |
      |                          * ==========================> *
(26)  |                          |           T30_CAP_REQ            |
      |                          * ==========================> *
(27)  |                          |        T30_PREAMBLE_IND          |
      |                          * <========================== *
(28)  |                          |       DTI_DATA_TEST_REQ          |
      |                          |          (msg: +FCO)             |
      |                          * ==========================> *
(29)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(30)  |                          |           T30_CAP_IND            |
      |                          * <========================== *
(31)  |                          |       DTI_DATA_TEST_REQ          |
      |                          |          (msg: OK)               |
      |                          * ==========================> *
(32)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(33)  |                          |       DTI_DATA_TEST_IND          |
      |                          |        (cmd: AT+FDR)             |
      |                          * <========================== *
(34)  |                          |         DTI_GETDATA_REQ          |
      |                          * ==========================> *
(35)  |                          |       DTI_DATA_TEST_REQ          |
      |                          |           (msg: A)               |
      |                          * ==========================> *
(36)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(37)  |                          |       DTI_DATA_TEST_REQ          |
      |                          |         (msg: T+FDR^M)           |
      |                          * ==========================> *
(38)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(39)  |                          |          T30_PHASE_IND           |
      |                          |             (MSG)                |
      |                          * <========================== *
(40)  |                          |       DTI_DATA_TEST_REQ          |
      |                          |        (msg: CONNECT)            |
      |                          * ==========================> *
(41)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(42)  |                          |         DTI_GETDATA_REQ          |
      |                          * ==========================> *
(43)  |                          |         UART_SET_DTI_REQ         |
      |                          * ==========================> *
(44)  |                          |         UART_SET_DTI_CNF         |
      |                          * <========================== *
(45)  |                          |           T30_DTI_REQ            |
      |                          |        (T30_CONNECT_DTI)         |
      |                          * ==========================> *
(46)  |                          |          DTI_READY_IND           |
      |                          * <========================== *
(47)  |                          |           T30_DTI_CNF            |
      |                          |        (T30_CONNECT_DTI)         |
      |                          * <========================== *
(48)  |                          |          T30_PHASE_IND           |
      |                          |             (BCS)                |
      |                          * <========================== *
```

```
(49)  |                              |           T30_DTI_REQ          |
      |                              |       (T30_DISCONNECT_DTI)     |
      |                              *=============================> *
(50)  |                              |           T30_DTI_CNF          |
      |                              |       (T30_DISCONNECT_DTI)     |
      |                              *<============================= *
(51)  |                              |         UART_SET_DTI_REQ       |
      |                              *=============================> *
(52)  |                              |         UART_SET_DTI_CNF       |
      |                              *<============================= *
(53)  |                              |          UART_DCD_REQ          |
      |                              *=============================> *
(54)  |                              |         DTI_GETDATA_REQ        |
      |                              *=============================> *
(55)  |                              |          DTI_READY_IND         |
      |                              *<============================= *
(56)  |                              |           T30_EOL_IND          |
      |                              |             (eol)              |
      |                              *<============================= *
(57)  |                              |           T30_SGN_IND          |
      |                              |         (SGN_EOP/MPS)          |
      |                              *<============================= *
      |                              |                               |
```

Parametrization:

Primitive	Parameter	Value
(1) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_96PLUS_CMOD_FAX
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(3) MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(4) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(5) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(6) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1

	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_CBST7
(7) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(8) MNCC_SETUP_IND	ti	NUM_8
	ri	RI_CIRCULAR
	bcpara	S_BS_FAX
	bcpara2	S_BS_VOICE
	progress_desc	PROG_NOT_PRES
	sig	SIG_RING_BACK_TONE_ON
	calling_party	S_CLG_PARTY
	calling_party_sub	S_CLG_PARTY_SUB
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
(9) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_RING
(10) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(11) MNCC_ALERT_REQ	ti	NUM_8
(12) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_ATA
(13) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(14) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(15) MNCC_SETUP_RES	ti	NUM_8

(16) SIM_SYNC_REQ	synccs	SYNC_START_CALL
(17) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_TA
(18) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(19) MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600
(20) MNCC_SETUP_COMPL_IND	ti	NUM_8
	res	RES_POS
(21) RA_ACTIVATE_REQ	model	RA_MODEL_FAX
	tra_rate	TRA_FULLRATE_9600
	user_rate	URA_9600
	ndb	NUM_8
	nsb	NUM_1
	bitorder	NUM_0
(22) RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23) T30_ACTIVATE_REQ	trans_rate	NUM_9600
	half_rate	NUM_0
	threshold	NUM_DEC_90
	frames_per_prim	NUM_3
	bitorder	NUM_0
(24) T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
	buf_size_tx	NUM_4800
(25) T30_CONFIG_REQ	hdlc_report	NUM_1
	test_mode	NOT_USED
(26) T30_CAP_REQ	hdlc_info	NOT_USED
(27) T30_PREAMBLE_IND		
(28) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FCO
(29) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(30) T30_CAP_IND	hdlc_info	S_HDLC_DCS
(31) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED

	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK
(32) DTI_READY_IND	tu i	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(33) DTI_DATA_TEST_IND	tu i	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDR
(34) DTI_GETDATA_REQ	tu i	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(35) DTI_DATA_TEST_REQ	tu i	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(36) DTI_READY_IND	tu i	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(37) DTI_DATA_TEST_REQ	tu i	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FDR
(38) DTI_READY_IND	tu i	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(39) T30_PHASE_IND	phase	MSG_PHASE
(40) DTI_DATA_TEST_REQ	tu i	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT

(41) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(42) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(43) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(44) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(45) T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NOT_USED
	dti_direction	T30_DTI_NORMAL
(46) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(47) T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(48) T30_PHASE_IND	phase	BCS_PHASE
(49) T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NOT_USED
	dti_direction	T30_DTI_NORMAL
(50) T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(51) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(8) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(9) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(10) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(11) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(52) T30_EOL_IND	eol	EOL_0

(53) T30_SGN_IND
    <A>   sgn   SGN_EOP
    <B>   sgn   SGN_MPS

History: 10.08.98   ACI   Initial

4.4.2 ACIFD042: Mobile terminated FAX call establishment – first page is last page

Description:
        Mobile terminated FAX call establishment

Preamble:
        ACIFD041A

```
     APL                          ACI                        PS
       |                           |                          |
(1)    |                           |    DTI_DATA_TEST_REQ      |
       |                           |    (msg: +FPS:...)        |
       |                           *=========================> *
(2)    |                           |      DTI_READY_IND        |
       |                           *<======================== *
(3)    |                           |    DTI_GETDATA_REQ        |
       |                           *=========================> *
(4)    |                           |    DTI_DATA_TEST_REQ      |
       |                           |    (msg: +FPS:...)        |
       |                           *=========================> *
(5)    |                           |      DTI_READY_IND        |
       |                           *<======================== *
(6)    |                           |      T30_CMPL_IND         |
       |                           |      (CMPL_EOP)           |
       |                           *<======================== *
(7)    |                           |    DTI_DATA_TEST_REQ      |
       |                           |    (msg: +FHS:00)         |
       |                           *=========================> *
(8)    |                           |      DTI_READY_IND        |
       |                           *<======================== *
(9)    |                           |    T30_DEACTIVATE_REQ     |
       |                           *=========================> *
(10)   |                           |    T30_DEACTIVATE_CNF     |
       |                           *<======================== *
(11)   |                           |     RA_DEACTIVATE_REQ     |
       |                           *=========================> *
(12)   |                           |     RA_DEACTIVATE_CNF     |
       |                           *<======================== *
(13)   |                           |      SIM_SYNC_REQ         |
       |                           *=========================> *
(14)   |                           |    MNCC_DISCONNECT_REQ    |
       |                           *=========================> *
(15)   |                           |    MNCC_RELEASE_IND       |
       |                           *<======================== *
       |                           |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED

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	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FPS
(2) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(3) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(4) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FET2
(5) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(6) T30_CMPL_IND	cmpl	CMPL_EOP
(7) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FHS
(8) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(38) T30_DEACTIVATE_REQ		
(39) T30_DEACTIVATE_CNF		
(40) RA_DEACTIVATE_REQ		
(41) RA_DEACTIVATE_CNF		
(42) SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(43) MNCC_DISCONNECT_REQ	ti	NUM_8
	cause	CAUSE_CALL_CLEAR
(44) MNCC_RELEASE_IND		
	ti	NUM_0
	cause	CAUSE_CALL_CLEAR

History: 10.08.98   ACI   Initial

4.4.3 ACIFD043: Mobile terminated FAX call establishment – second page is last page

Description:

    Mobile terminated FAX call establishment

Preamble:

    ACIFD041B

```
        APL                        ACI                         PS
         |                          |                          |
(1)      |                          |     DTI_DATA_TEST_REQ     |
         |                          |       (msg: +FPS:...)     |
         |                          *========================> *
(2)      |                          |       DTI_READY_IND       |
         |                          *<======================== *
(3)      |                          |      DTI_GETDATA_REQ      |
         |                          *========================> *
(4)      |                          |     DTI_DATA_TEST_REQ     |
         |                          |        (msg: +FET:0)      |
         |                          *========================> *
(5)      |                          |       DTI_READY_IND       |
         |                          *<======================== *
(6)      |                          |     DTI_DATA_TEST_IND     |
         |                          |        (cmd: AT+FDR)      |
         |                          *<======================== *
(7)      |                          |     DTI_DATA_TEST_REQ     |
         |                          |          (msg: A)         |
         |                          *========================> *
(8)      |                          |        T30_SGN_REQ        |
         |                          |         (SGN_MCF)         |
         |                          *========================> *
(9)      |                          |       DTI_READY_IND       |
         |                          *<======================== *
(10)     |                          |     DTI_DATA_TEST_REQ     |
         |                          |       (msg: T+FDR^M)      |
         |                          *========================> *
(11)     |                          |       DTI_READY_IND       |
         |                          *<======================== *
(12)     |                          |       T30_PHASE_IND       |
         |                          |           (MSG)           |
         |                          *<======================== *
(13)     |                          |     DTI_DATA_TEST_REQ     |
         |                          |       (msg: CONNECT)      |
         |                          *========================> *
(14)     |                          |       DTI_READY_IND       |
         |                          *<======================== *
(15)     |                          |      DTI_GETDATA_REQ      |
         |                          *========================> *
(16)     |                          |      UART_SET_DTI_REQ     |
         |                          *========================> *
(17)     |                          |      UART_SET_DTI_CNF     |
         |                          *<======================== *
(18)     |                          |         T30_DTI_REQ       |
         |                          |      (T30_CONNECT_DTI)    |
         |                          *========================> *
```

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```
(19)    |                              |        DTI_READY_IND         |
        |                              * <========================= *
(20)    |                              |         T30_DTI_CNF          |
        |                              |      (T30_CONNECT_DTI)       |
        |                              * <========================= *
(21)    |                              |        T30_PHASE_IND         |
        |                              |            (BCS)             |
        |                              * <========================= *
(22)    |                              |         T30_DTI_REQ          |
        |                              |    (T30_DISCONNECT_DTI)      |
        |                              * =========================> *
(23)    |                              |         T30_DTI_CNF          |
        |                              |    (T30_DISCONNECT_DTI)      |
        |                              * <========================= *
(24)    |                              |       UART_SET_DTI_REQ       |
        |                              * =========================> *
(25)    |                              |       UART_SET_DTI_CNF       |
        |                              * <========================= *
(26)    |                              |         UART_DCD_REQ         |
        |                              * =========================> *
(27)    |                              |       DTI_GETDATA_REQ        |
        |                              * =========================> *
(28)    |                              |        DTI_READY_IND         |
        |                              * <========================= *
(29)    |                              |         T30_EOL_IND          |
        |                              |            (eol)             |
        |                              * <========================= *
(30)    |                              |         T30_SGN_IND          |
        |                              |          (SGN_EOP)           |
        |                              * <========================= *
(31)    |                              |      DTI_DATA_TEST_REQ       |
        |                              |       (msg: +FPS:...)        |
        |                              * =========================> *
(32)    |                              |        DTI_READY_IND         |
        |                              * <========================= *
(33)    |                              |       DTI_GETDATA_REQ        |
        |                              * =========================> *
(34)    |                              |      DTI_DATA_TEST_REQ       |
        |                              |       (msg: +FPS:...)        |
        |                              * =========================> *
(35)    |                              |        DTI_READY_IND         |
        |                              * <========================= *
(36)    |                              |         T30_CMPL_IND         |
        |                              |          (CMPL_EOP)          |
        |                              * <========================= *
(37)    |                              |      DTI_DATA_TEST_REQ       |
        |                              |        (msg: +FHS:00)        |
        |                              * =========================> *
(38)    |                              |        DTI_READY_IND         |
        |                              * <========================= *
(39)    |                              |       T30_DEACTIVATE_REQ     |
        |                              * =========================> *
(40)    |                              |       T30_DEACTIVATE_CNF     |
        |                              * <========================= *
(41)    |                              |       RA_DEACTIVATE_REQ      |
        |                              * =========================> *
(42)    |                              |       RA_DEACTIVATE_CNF      |
        |                              * <========================= *
```

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```
(43)   |                              |        SIM_SYNC_REQ         |
       |                              *============================> *
(44)   |                              |     MNCC_DISCONNECT_REQ     |
       |                              *============================> *
(45)   |                              |      MNCC_RELEASE_IND       |
       |                              * <=========================== *
       |                              |                             |
```

Parametrization:

Primitive	Parameter	Value
(1) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FPS
(2) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(3) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(4) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FET0
(5) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(6) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDR
(7) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A

(8) T30_SGN_REQ	sgn	SGN_MCF
(9) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(10) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FDR
(11) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(12) T30_PHASE_IND	phase	MSG_PHASE
(13) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT
(14) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(15) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(16) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(17) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(18) T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NOT_USED
	dti_direction	T30_DTI_NORMAL
(19) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(20) T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(21) T30_PHASE_IND	phase	BCS_PHASE

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(22) T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
	tui	UNIT_T30
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	NOT_USED
	dti_direction	T30_DTI_NORMAL
(23) T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(24) UART_SET_DTI_REQ	device	NUM_0
	dlci	NUM_0
	tui_uart	NOT_USED
	tui_peer	NOT_USED
	c_id	NUM_1
	entity_name	NOT_USED
(25) UART_SET_DTI_CNF	device	NUM_0
	dlci	NUM_0
(26) UART_DCD_REQ	device	NUM_0
	dlci	NUM_0
	line_state	UART_LINE_ON
(27) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(28) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(29) T30_EOL_IND	eol	EOL_0
(30) T30_SGN_IND	sgn	SGN_EOP
(31) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FPS
(32) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(33) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(34) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FET2
(35) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

(36) T30_CMPL_IND	cmpl	CMPL_EOP
(37) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FHS
(38) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(39) T30_DEACTIVATE_REQ		
(40) T30_DEACTIVATE_CNF		
(41) RA_DEACTIVATE_REQ		
(42) RA_DEACTIVATE_CNF		
(43) SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(44) MNCC_DISCONNECT_REQ	ti	NUM_8
	cause	CAUSE_CALL_CLEAR
(45) MNCC_RELEASE_IND		
	ti	NUM_0
	cause	CAUSE_CALL_CLEAR

Texas Instruments

History: 10.08.98   ACI   Initial

4.4.4 ACIFD044: FAX call release – called party hangs up

Description:

       release FAX call; echo off

Preamble:

       ACIFD003

```
        APL                          ACI                          PS
         |                            |                            |
 (1)     |                            |      DTI_DATA_TEST_IND      |
         |                            |         (cmd: ATE0)        |
         |                            * <======================== *
 (2)     |                            |      DTI_DATA_TEST_REQ      |
         |                            |          (cmd: A)          |
         |                            * ========================> *
 (3)     |                            |       DTI_GETDATA_REQ       |
         |                            * ========================> *
 (4)     |                            |       DTI_READY_IND         |
         |                            * <======================== *
 (5)     |                            |      DTI_DATA_TEST_REQ      |
         |                            |       (cmd: TE0_CR_OK)      |
         |                            * ========================> *
 (6)     |                            |       DTI_READY_IND         |
         |                            * <======================== *
 (7)     |                            |      DTI_DATA_TEST_IND      |
         |                            | (cmd:AT+CBST=7,0,0;+CMOD=1) |
         |                            * <======================== *
 (8)     |                            |     MNCC_CONFIGURE_REQ      |
         |                            * ========================> *
 (9)     |                            |      DTI_DATA_TEST_REQ      |
         |                            |         (msg: OK)          |
         |                            * ========================> *
 (10)    |                            |       DTI_READY_IND         |
         |                            * <======================== *
 (11)    |                            |       MNCC_SETUP_IND        |
         |                            * <======================== *
 (12)    |                            |       DTI_GETDATA_REQ       |
         |                            * ========================> *
 (13)    |                            |      DTI_DATA_TEST_REQ      |
         |                            |        (msg: RING)         |
         |                            * ========================> *
 (14)    |                            |       DTI_READY_IND         |
         |                            * <======================== *
 (15)    |                            |       MNCC_ALERT_REQ        |
         |                            * ========================> *
 (16)    |                            |      DTI_DATA_TEST_IND      |
         |                            |         (cmd: ATA)         |
         |                            * <======================== *
 (17)    |                            |       MNCC_SETUP_RES        |
         |                            * ========================> *
 (18)    |                            |       MNCC_SYNC_IND         |
         |                            * <======================== *
 (19)    |                            |     MNCC_SETUP_COMPL_IND    |
         |                            * <======================== *
 (20)    |                            |        SIM_SYNC_REQ        |
         |                            * ========================> *
 (21)    |                            |       RA_ACTIVATE_REQ       |
         |                            * ========================> *
```

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```
(22)  |                         |        RA_ACTIVATE_CNF          |
      |                         * <===========================  *
(23)  |                         |        T30_ACTIVATE_REQ         |
      |                         * ===========================>   *
(24)  |                         |        T30_ACTIVATE_CNF         |
      |                         * <===========================  *
(25)  |                         |         T30_CONFIG_REQ          |
      |                         * ===========================>   *
(26)  |                         |          T30_CAP_REQ            |
      |                         * ===========================>   *
(27)  |                         |        T30_PREAMBLE_IND         |
      |                         * <===========================  *
(28)  |                         |       DTI_DATA_TEST_REQ         |
      |                         |         (msg: +FCO)             |
      |                         * ===========================>   *
(29)  |                         |         DTI_READY_IND           |
      |                         * <===========================  *
(30)  |                         |          T30_CAP_IND            |
      |                         * <===========================  *
(31)  |                         |       DTI_DATA_TEST_REQ         |
      |                         |          (msg: OK)              |
      |                         * ===========================>   *
(32)  |                         |         DTI_READY_IND           |
      |                         * <===========================  *
(33)  |                         |       DTI_DATA_TEST_IND         |
      |                         |        (cmd: AT+FDR)            |
      |                         * <===========================  *
(34)  |                         |         DTI_GETDATA_REQ         |
      |                         * ===========================>   *
(35)  |                         |          T30_PHASE_IND          |
      |                         |             (MSG)               |
      |                         * <===========================  *
(36)  |                         |       DTI_DATA_TEST_REQ         |
      |                         |        (msg: CONNECT)           |
      |                         * ===========================>   *
(37)  |                         |         DTI_READY_IND           |
      |                         * <===========================  *
(38)  |                         |         DTI_GETDATA_REQ         |
      |                         * ===========================>   *
(39)  |                         |         UART_SET_DTI_REQ        |
      |                         * ===========================>   *
(40)  |                         |         UART_SET_DTI_CNF        |
      |                         * <===========================  *
(41)  |                         |           T30_DTI_REQ           |
      |                         |        (T30_CONNECT_DTI)        |
      |                         * ===========================>   *
(42)  |                         |          DTI_READY_IND          |
      |                         * <===========================  *
(43)  |                         |           T30_DTI_CNF           |
      |                         |        (T30_CONNECT_DTI)        |
      |                         * <===========================  *
(44)  |                         |          T30_PHASE_IND          |
      |                         |             (BCS)               |
      |                         * <===========================  *
(45)  |                         |           T30_DTI_REQ           |
      |                         |       (T30_DISCONNECT_DTI)      |
      |                         * ===========================>   *
(46)  |                         |           T30_DTI_CNF           |
      |                         |       (T30_DISCONNECT_DTI)      |
      |                         * <===========================  *
```

```
(47) |                          |       UART_SET_DTI_REQ       |
     |                          *=============================> *
(48) |                          |       UART_SET_DTI_CNF       |
     |                          *<============================= *
(49) |                          |         UART_DCD_REQ         |
     |                          *=============================> *
(50) |                          |        DTI_GETDATA_REQ       |
     |                          *=============================> *
(51) |                          |        DTI_READY_IND         |
     |                          *<============================= *
(52) |                          |      DTI_DATA_TEST_IND       |
     |                          |      (cmd: AT+CHUP^M)        |
     |                          *<============================= *
(53) |                          |      T30_DEACTIVATE_REQ      |
     |                          *=============================> *
(54) |                          |      T30_DEACTIVATE_CNF      |
     |                          *<============================= *
(55) |                          |      RA_DEACTIVATE_REQ       |
     |                          *=============================> *
(56) |                          |      RA_DEACTIVATE_CNF       |
     |                          *<============================= *
(57) |                          |        SIM_SYNC_REQ          |
     |                          *=============================> *
(58) |                          |     MNCC_DISCONNECT_REQ      |
     |                          *=============================> *
(59) |                          |      MNCC_RELEASE_IND        |
     |                          *<============================= *
(60) |                          |       DTI_DATA_TEST_REQ      |
     |                          |          (msg: OK)          |
     |                          *=============================> *
(61) |                          |        DTI_READY_IND         |
     |                          *<============================= *
     |                          |                              |
```

Parametrization:

	Primitive	Parameter	Value
(1)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_AT_E0
(2)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(3)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

(4)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(5)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_TE0_CR_OK
(6)	DTI_READY_IND		
		tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(7)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_96PLUS_CMOD_FAX
(8)	MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
		bcpara	NOT_USED
		sns_mode	NOT_USED
(9)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(10)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(11)	MNCC_SETUP_IND	ti	NUM_8
		ri	RI_CIRCULAR
		bcpara	S_BS_FAX
		bcpara2	S_BS_VOICE
		progress_desc	PROG_NOT_PRES
		sig	SIG_RING_BACK_TONE_ON
		calling_party	S_CLG_PARTY
		calling_party_sub	S_CLG_PARTY_SUB
		called_party	S_CLD_PARTY
		called_party_sub	S_CLD_PARTY_SUB
(12)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1

TEXAS INSTRUMENTS

		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_ALERT_REQ	ti	NUM_8
(16)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(17)	MNCC_SETUP_RES	ti	NUM_8
(18)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(19)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS
(20)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(21)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(22)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(24)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(25)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(26)	T30_CAP_REQ	hdlc_info	NOT_USED
(27)	T30_PREAMBLE_IND		
(28)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED

		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(29)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(30)	T30_CAP_IND	hdlc_info	S_HDLC_DCS
(31)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(32)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(33)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(34)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(35)	T30_PHASE_IND	phase	MSG_PHASE
(36)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(37)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(38)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(39)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED

(40)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(41)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(42)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(43)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(44)	T30_PHASE_IND	phase	BCS_PHASE
(45)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(46)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(47)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(48)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(49)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(50)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(51)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(52)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_CHUP
(53)	T30_DEACTIVATE_REQ		
(54)	T30_DEACTIVATE_CNF		
(55)	RA_DEACTIVATE_REQ		
(56)	RA_DEACTIVATE_CNF		
(57)	SIM_SYNC_REQ	synccs	SYNC_STOP_CALL

TEXAS INSTRUMENTS

(58)	MNCC_DISCONNECT_REQ	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(59)	MNCC_RELEASE_IND	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(60)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(61)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

History: 10.08.98   ACI   Initial

4.4.5 ACIFD045: FAX call release – calling party hangs up (with inband tones)

Description:

    FAX call release – calling party hangs up (with inband tones)

Preamble:

    ACIFD003

```
         APL                        ACI                            PS
          |                          |                             |
(1)       |                          |       DTI_DATA_TEST_IND      |
          |                          |          (cmd: ATE0)        |
          |                          * <========================= *
(2)       |                          |       DTI_DATA_TEST_REQ      |
          |                          |           (cmd: A)          |
          |                          * =========================> *
(3)       |                          |       DTI_GETDATA_REQ        |
          |                          * =========================> *
(4)       |                          |       DTI_READY_IND          |
          |                          * <========================= *
(5)       |                          |       DTI_DATA_TEST_REQ      |
          |                          |        (cmd: TE0_CR_OK)      |
          |                          * =========================> *
(6)       |                          |       DTI_READY_IND          |
          |                          * <========================= *
(7)       |                          |       DTI_DATA_TEST_IND      |
          |                          | (cmd:AT+CBST=7,0,0;+CMOD=1) |
          |                          * <========================= *
(8)       |                          |      MNCC_CONFIGURE_REQ      |
          |                          * =========================> *
(9)       |                          |       DTI_DATA_TEST_REQ      |
          |                          |          (msg: OK)          |
          |                          * =========================> *
(10)      |                          |       DTI_READY_IND          |
          |                          * <========================= *
(11)      |                          |       MNCC_SETUP_IND         |
          |                          * <========================= *
(12)      |                          |       DTI_GETDATA_REQ        |
          |                          * =========================> *
(13)      |                          |       DTI_DATA_TEST_REQ      |
          |                          |         (msg: RING)         |
          |                          * =========================> *
(14)      |                          |       DTI_READY_IND          |
          |                          * <========================= *
(15)      |                          |       MNCC_ALERT_REQ         |
          |                          * =========================> *
(16)      |                          |       DTI_DATA_TEST_IND      |
          |                          |          (cmd: ATA)         |
          |                          * <========================= *
(17)      |                          |       MNCC_SETUP_RES         |
          |                          * =========================> *
(18)      |                          |       MNCC_SYNC_IND          |
          |                          * <========================= *
(19)      |                          |     MNCC_SETUP_COMPL_IND     |
          |                          * <========================= *
(20)      |                          |       SIM_SYNC_REQ           |
          |                          * =========================> *
(21)      |                          |       RA_ACTIVATE_REQ        |
          |                          * =========================> *
```

```
(22)  |                           |        RA_ACTIVATE_CNF        |
      |                           * <=========================== *
(23)  |                           |        T30_ACTIVATE_REQ       |
      |                           * ===========================>  *
(24)  |                           |        T30_ACTIVATE_CNF       |
      |                           * <=========================== *
(25)  |                           |         T30_CONFIG_REQ        |
      |                           * ===========================>  *
(26)  |                           |          T30_CAP_REQ          |
      |                           * ===========================>  *
(27)  |                           |        T30_PREAMBLE_IND       |
      |                           * <=========================== *
(28)  |                           |       DTI_DATA_TEST_REQ       |
      |                           |          (msg: +FCO)          |
      |                           * ===========================>  *
(29)  |                           |         DTI_READY_IND         |
      |                           * <=========================== *
(30)  |                           |          T30_CAP_IND          |
      |                           * <=========================== *
(31)  |                           |       DTI_DATA_TEST_REQ       |
      |                           |          (msg: OK)            |
      |                           * ===========================>  *
(32)  |                           |         DTI_READY_IND         |
      |                           * <=========================== *
(33)  |                           |       DTI_DATA_TEST_IND       |
      |                           |         (cmd: AT+FDR)         |
      |                           * <=========================== *
(34)  |                           |         DTI_GETDATA_REQ       |
      |                           * ===========================>  *
(35)  |                           |         T30_PHASE_IND         |
      |                           |            (MSG)              |
      |                           * <=========================== *
(36)  |                           |       DTI_DATA_TEST_REQ       |
      |                           |        (msg: CONNECT)         |
      |                           * ===========================>  *
(37)  |                           |         DTI_READY_IND         |
      |                           * <=========================== *
(38)  |                           |         DTI_GETDATA_REQ       |
      |                           * ===========================>  *
(39)  |                           |        UART_SET_DTI_REQ       |
      |                           * ===========================>  *
(40)  |                           |        UART_SET_DTI_CNF       |
      |                           * <=========================== *
(41)  |                           |          T30_DTI_REQ          |
      |                           |       (T30_CONNECT_DTI)       |
      |                           * ===========================>  *
(42)  |                           |         DTI_READY_IND         |
      |                           * <=========================== *
(43)  |                           |          T30_DTI_CNF          |
      |                           |       (T30_CONNECT_DTI)       |
      |                           * <=========================== *
(44)  |                           |         T30_PHASE_IND         |
      |                           |            (BCS)             |
      |                           * <=========================== *
(45)  |                           |          T30_DTI_REQ          |
      |                           |     (T30_DISCONNECT_DTI)      |
      |                           * ===========================>  *
(46)  |                           |          T30_DTI_CNF          |
      |                           |     (T30_DISCONNECT_DTI)      |
      |                           * <=========================== *
```

TEXAS INSTRUMENTS

```
(47) |                              |       UART_SET_DTI_REQ       |
     |                              * ===========================> *
(48) |                              |       UART_SET_DTI_CNF       |
     |                              * <=========================== *
(49) |                              |         UART_DCD_REQ         |
     |                              * ===========================> *
(50) |                              |       DTI_GETDATA_REQ        |
     |                              * ===========================> *
(51) |                              |        DTI_READY_IND         |
     |                              * <=========================== *
(52) |                              |     MNCC_DISCONNECT_IND      |
     |                              * <=========================== *
(53) |                              |        SIM_SYNC_REQ          |
     |                              * ===========================> *
(54) |                              |       MNCC_RELEASE_REQ       |
     |                              * ===========================> *
(55) |                              |       MNCC_RELEASE_CNF       |
     |                              * <=========================== *
(56) |                              |      T30_DEACTIVATE_REQ      |
     |                              * ===========================> *
(57) |                              |      T30_DEACTIVATE_CNF      |
     |                              * <=========================== *
(58) |                              |      RA_DEACTIVATE_REQ       |
     |                              * ===========================> *
(59) |                              |      RA_DEACTIVATE_CNF       |
     |                              * <=========================== *
(62) |                              |      DTI_DATA_TEST_REQ       |
     |                              |      (msg: NO CARRIER)       |
     |                              * ===========================> *
(63) |                              |        DTI_READY_IND         |
     |                              * <=========================== *
     |                              |                              |
```

Parametrization:

Primitive	Parameter	Value
(1) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_AT_E0
(2) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_A
(3) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED

(4) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(5) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_RESP_TE0_CR_OK
(6) DTI_READY_IND		
	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(7) DTI_DATA_TEST_IND	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_96PLUS_CMOD_FAX
(8) MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(9) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK
(10) DTI_READY_IND	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED
(11) MNCC_SETUP_IND	ti	NUM_8
	ri	RI_CIRCULAR
	bcpara	S_BS_FAX
	bcpara2	S_BS_VOICE
	progress_desc	PROG_NOT_PRES
	sig	SIG_RING_BACK_TONE_ON
	calling_party	S_CLG_PARTY
	calling_party_sub	S_CLG_PARTY_SUB
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
(12) DTI_GETDATA_REQ	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED
(13) DTI_DATA_TEST_REQ	tui	NUM_1
	c_id	NUM_1

		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_ALERT_REQ	ti	NUM_8
(16)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(17)	MNCC_SETUP_RES	ti	NUM_8
(18)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(19)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS
(20)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(21)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(22)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(24)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(25)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(26)	T30_CAP_REQ	hdlc_info	NOT_USED
(27)	T30_PREAMBLE_IND		
(28)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED

TEXAS INSTRUMENTS

		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(29)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(30)	T30_CAP_IND	hdlc_info	S_HDLC_DCS
(31)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(32)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(33)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(34)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(35)	T30_PHASE_IND	phase	MSG_PHASE
(36)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(37)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(38)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(39)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED

(40)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(41)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(42)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(43)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(44)	T30_PHASE_IND	phase	BCS_PHASE
(45)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(46)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(47)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(48)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(49)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(50)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(51)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(52)	MNCC_DISCONNECT_IND		
		ti	NUM_8
		cause	CAUSE_CALL_CLEAR
		diagnostic	NOT_PRESENT_8BIT
		progress_desc	PROG_INBAND_AVAIL
(53)	SIM_SYNC_REQ		
		synccs	SYNC_STOP_CALL
(54)	MNCC_RELEASE_REQ		
		ti	NUM_8
		cause	CAUSE_CALL_CLEAR
		fac_inf	A_FAC_EMPTY
		ss_version	NOT_USED
(55)	MNCC_RELEASE_CNF		
		ti	NUM_8
		cause	CAUSE_CALL_CLEAR

TEXAS INSTRUMENTS

(56)	T30_DEACTIVATE_REQ		
(57)	T30_DEACTIVATE_CNF		
(58)	RA_DEACTIVATE_REQ		
(59)	RA_DEACTIVATE_CNF		
(60)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_NO_CARRIER
(61)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

History: 10.08.98   ACI   Initial

4.4.6 ACIFD046: FAX call abortion, due to T30 error indication

Description:

FAX call abortion, due to T30 error indication

Preamble:

ACIFD003

Variants:

<A>...<B>

```
        APL                         ACI                         PS
         |                           |                           |
(1)      |                           |      DTI_DATA_TEST_IND     |
         |                           |          (cmd: ATE0)      |
         |                           * <======================== *
(2)      |                           |      DTI_DATA_TEST_REQ     |
         |                           |           (cmd: A)        |
         |                           * ========================> *
(3)      |                           |        DTI_GETDATA_REQ     |
         |                           * ========================> *
(4)      |                           |        DTI_READY_IND       |
         |                           * <======================== *
(5)      |                           |      DTI_DATA_TEST_REQ     |
         |                           |       (cmd: TE0_CR_OK)     |
         |                           * ========================> *
(6)      |                           |        DTI_READY_IND       |
         |                           * <======================== *
(7)      |                           |      DTI_DATA_TEST_IND     |
         |                           | (cmd:AT+CBST=7,0,0;+CMOD=1)|
         |                           * <======================== *
(8)      |                           |     MNCC_CONFIGURE_REQ     |
         |                           * ========================> *
(9)      |                           |      DTI_DATA_TEST_REQ     |
         |                           |          (msg: OK)        |
         |                           * ========================> *
(10)     |                           |        DTI_READY_IND       |
         |                           * <======================== *
(11)     |                           |       MNCC_SETUP_IND       |
         |                           * <======================== *
(12)     |                           |        DTI_GETDATA_REQ     |
         |                           * ========================> *
(13)     |                           |      DTI_DATA_TEST_REQ     |
         |                           |         (msg: RING)       |
         |                           * ========================> *
(14)     |                           |        DTI_READY_IND       |
         |                           * <======================== *
(15)     |                           |       MNCC_ALERT_REQ       |
         |                           * ========================> *
(16)     |                           |      DTI_DATA_TEST_IND     |
         |                           |          (cmd: ATA)       |
         |                           * <======================== *
(17)     |                           |       MNCC_SETUP_RES       |
         |                           * ========================> *
(18)     |                           |        MNCC_SYNC_IND       |
         |                           * <======================== *
(19)     |                           |     MNCC_SETUP_COMPL_IND   |
         |                           * <======================== *
(20)     |                           |        SIM_SYNC_REQ        |
         |                           * ========================> *
(21)     |                           |        RA_ACTIVATE_REQ     |
         |                           * ========================> *
(22)     |                           |        RA_ACTIVATE_CNF     |
         |                           * <======================== *
(23)     |                           |        T30_ACTIVATE_REQ    |
         |                           * ========================> *
(24)     |                           |        T30_ACTIVATE_CNF    |
         |                           * <======================== *
(25)     |                           |        T30_CONFIG_REQ      |
         |                           * ========================> *
```

```
(26)  |                          |          T30_CAP_REQ         |
      |                          * ===========================> *
(27)  |                          |        T30_PREAMBLE_IND      |
      |                          * <=========================== *
(28)  |                          |      DTI_DATA_TEST_REQ       |
      |                          |         (msg: +FCO)          |
      |                          * ===========================> *
(29)  |                          |         DTI_READY_IND        |
      |                          * <=========================== *
(30)  |                          |          T30_CAP_IND         |
      |                          * <=========================== *
(31)  |                          |      DTI_DATA_TEST_REQ       |
      |                          |         (msg: OK)            |
      |                          * ===========================> *
(32)  |                          |         DTI_READY_IND        |
      |                          * <=========================== *
(33)  |                          |      DTI_DATA_TEST_IND       |
      |                          |        (cmd: AT+FDR)         |
      |                          * <=========================== *
(34)  |                          |        DTI_GETDATA_REQ       |
      |                          * ===========================> *
(35)  |                          |         T30_PHASE_IND        |
      |                          |            (MSG)             |
      |                          * <=========================== *
(36)  |                          |      DTI_DATA_TEST_REQ       |
      |                          |       (msg: CONNECT)         |
      |                          * ===========================> *
(37)  |                          |         DTI_READY_IND        |
      |                          * <=========================== *
(38)  |                          |        DTI_GETDATA_REQ       |
      |                          * ===========================> *
(39)  |                          |        UART_SET_DTI_REQ      |
      |                          * ===========================> *
(40)  |                          |        UART_SET_DTI_CNF      |
      |                          * <=========================== *
(41)  |                          |          T30_DTI_REQ         |
      |                          |      (T30_CONNECT_DTI)       |
      |                          * ===========================> *
(42)  |                          |         DTI_READY_IND        |
      |                          * <=========================== *
(43)  |                          |          T30_DTI_CNF         |
      |                          |      (T30_CONNECT_DTI)       |
      |                          * <=========================== *
(44)  |                          |         T30_PHASE_IND        |
      |                          |            (BCS)             |
      |                          * <=========================== *
(45)  |                          |          T30_DTI_REQ         |
      |                          |     (T30_DISCONNECT_DTI)     |
      |                          * ===========================> *
(46)  |                          |          T30_DTI_CNF         |
      |                          |     (T30_DISCONNECT_DTI)     |
      |                          * <=========================== *
(47)  |                          |        UART_SET_DTI_REQ      |
      |                          * ===========================> *
(107) |                          |        UART_SET_DTI_CNF      |
      |                          * <=========================== *
(108) |                          |          UART_DCD_REQ        |
      |                          * ===========================> *
(109) |                          |        DTI_GETDATA_REQ       |
      |                          * ===========================> *
```

```
(110) |                              |             DTI_READY_IND            |
      |                              * <===================================== *
(48)  |                              |             T30_ERROR_IND             |
      |                              * <===================================== *
(49)  |                              |           T30_DEACTIVATE_REQ          |
      |                              * =====================================> *
(50)  |                              |           T30_DEACTIVATE_CNF          |
      |                              * <===================================== *
(51)  |                              |            RA_DEACTIVATE_REQ          |
      |                              * =====================================> *
(52)  |                              |            RA_DEACTIVATE_CNF          |
      |                              * <===================================== *
(53)  |                              |             SIM_SYNC_REQ              |
      |                              * =====================================> *
(54)  |                              |          MNCC_DISCONNECT_REQ          |
      |                              * =====================================> *
(55)  |                              |           MNCC_RELEASE_IND            |
      |                              * <===================================== *
(56)  |                              |           DTI_DATA_TEST_REQ           |
      |                              |           (msg: NO CARRIER)           |
      |                              * =====================================> *
(57)  |                              |             DTI_READY_IND             |
      |                              * <===================================== *
(58)  |                              |           DTI_DATA_TEST_IND           |
      |                              |           (cmd: AT+FHS?^M)            |
      |                              * <===================================== *
(59)  |                              |             DTI_GETDATA_REQ           |
      |                              * =====================================> *
(60)  |                              |           DTI_DATA_TEST_REQ           |
      |                              |             (msg: +FHS:xx)            |
      |                              * =====================================> *
(61)  |                              |             DTI_READY_IND             |
      |                              * <===================================== *
(62)  |                              |             DTI_GETDATA_REQ           |
      |                              * =====================================> *
(63)  |                              |           DTI_DATA_TEST_REQ           |
      |                              |               (msg: OK)              |
      |                              * =====================================> *
(64)  |                              |             DTI_READY_IND             |
      |                              * <===================================== *
      |                              |                                      |
```

Parametrization:

	Primitive	Parameter	Value
(1)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_AT_E0
(2)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED

		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(3)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(4)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(5)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_TE0_CR_OK
(6)	DTI_READY_IND		
		tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(7)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_96PLUS_CMOD_FAX
(8)	MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
		bcpara	NOT_USED
		sns_mode	NOT_USED
(9)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(10)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(11)	MNCC_SETUP_IND	ti	NUM_8
		ri	RI_CIRCULAR
		bcpara	S_BS_FAX
		bcpara2	S_BS_VOICE
		progress_desc	PROG_NOT_PRES
		sig	SIG_RING_BACK_TONE_ON
		calling_party	S_CLG_PARTY
		calling_party_sub	S_CLG_PARTY_SUB

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		called_party	S_CLD_PARTY
		called_party_sub	S_CLD_PARTY_SUB
(12)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_ALERT_REQ	ti	NUM_8
(16)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(17)	MNCC_SETUP_RES	ti	NUM_8
(18)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(19)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS
(20)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(21)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(22)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(24)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(25)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(26)	T30_CAP_REQ	hdlc_info	NOT_USED

(27) T30_PREAMBLE_IND

(28) DTI_DATA_TEST_REQ

	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_PLUS_FCO

(29) DTI_READY_IND

	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

(30) T30_CAP_IND

	hdlc_info	S_HDLC_DCS

(31) DTI_DATA_TEST_REQ

	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_OK

(32) DTI_READY_IND

	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

(33) DTI_DATA_TEST_IND

	tui	NUM_2
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_C_PLUS_FDR

(34) DTI_GETDATA_REQ

	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED

(35) T30_PHASE_IND

	phase	MSG_PHASE

(36) DTI_DATA_TEST_REQ

	tui	NUM_1
	c_id	NUM_1
	p_id	NOT_USED
	op_ack	NOT_USED
	st_flow	NOT_USED
	st_line_sa	NOT_USED
	st_line_sb	NOT_USED
	st_escape	NOT_USED
	sdu	F_M_CONNECT

(37) DTI_READY_IND

	tui	NUM_2
	c_id	NUM_1
	op_ack	NOT_USED

(38) DTI_GETDATA_REQ

	tui	NUM_1
	c_id	NUM_1
	op_ack	NOT_USED

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(39)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(40)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(41)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(42)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(43)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(44)	T30_PHASE_IND	phase	BCS_PHASE
(45)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(46)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(47)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(48)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(49)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(50)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(51)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(52)	T30_ERROR_IND		
<A>		cause	ERR_PH_A_T1_TIMEOUT
<B>		cause	
	ERR_PH_D_RCV_RSPREC_INVALID_RESP_RCVD		
(53)	T30_DEACTIVATE_REQ		
(54)	T30_DEACTIVATE_CNF		
(55)	RA_DEACTIVATE_REQ		
(56)	RA_DEACTIVATE_CNF		

Texas
Instruments

(57)	SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(58)	MNCC_DISCONNECT_REQ	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(59)	MNCC_RELEASE_IND	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(60)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_NO_CARRIER
(61)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(62)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_Q_PLUS_FHS
(63)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(64)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
<A>		sdu	F_M_PLUS_FHS11
<B>		sdu	F_M_PLUS_FHSA1
(65)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(66)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(67)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK

TEXAS INSTRUMENTS

(68)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

History: 10.08.98   ACI   Initial

4.4.7 ACIFD047: FAX call abortion, due to DISCONNECT indication – after Phase C

Description:

FAX call abortion, due to DISCONNECT indication

Preamble:

ACIFD003

```
     APL                        ACI                              PS
      |                          |                               |
(1)   |                          |      DTI_DATA_TEST_IND         |
      |                          |          (cmd: ATE0)          |
      |                          * <===========================  *
(2)   |                          |      DTI_DATA_TEST_REQ         |
      |                          |           (cmd: A)            |
      |                          * ===========================>  *
(3)   |                          |       DTI_GETDATA_REQ          |
      |                          * ===========================>  *
(4)   |                          |        DTI_READY_IND           |
      |                          * <===========================  *
(5)   |                          |      DTI_DATA_TEST_REQ         |
      |                          |        (cmd: TE0_CR_OK)        |
      |                          * ===========================>  *
(6)   |                          |        DTI_READY_IND           |
      |                          * <===========================  *
(7)   |                          |      DTI_DATA_TEST_IND         |
      |                          | (cmd:AT+CBST=7,0,0;+CMOD=1)    |
      |                          * <===========================  *
(8)   |                          |      MNCC_CONFIGURE_REQ        |
      |                          * ===========================>  *
(9)   |                          |      DTI_DATA_TEST_REQ         |
      |                          |          (msg: OK)            |
      |                          * ===========================>  *
(10)  |                          |        DTI_READY_IND           |
      |                          * <===========================  *
(11)  |                          |        MNCC_SETUP_IND          |
      |                          * <===========================  *
(12)  |                          |       DTI_GETDATA_REQ          |
      |                          * ===========================>  *
(13)  |                          |      DTI_DATA_TEST_REQ         |
      |                          |          (msg: RING)          |
      |                          * ===========================>  *
(14)  |                          |        DTI_READY_IND           |
      |                          * <===========================  *
(15)  |                          |        MNCC_ALERT_REQ          |
      |                          * ===========================>  *
(16)  |                          |      DTI_DATA_TEST_IND         |
      |                          |          (cmd: ATA)           |
      |                          * <===========================  *
(17)  |                          |        MNCC_SETUP_RES          |
      |                          * ===========================>  *
(18)  |                          |        MNCC_SYNC_IND           |
      |                          * <===========================  *
(19)  |                          |      MNCC_SETUP_COMPL_IND      |
      |                          * <===========================  *
(20)  |                          |         SIM_SYNC_REQ          |
      |                          * ===========================>  *
```

TEXAS INSTRUMENTS

```
(21) |                              |         RA_ACTIVATE_REQ         |
     |                              * ===========================> *
(22) |                              |         RA_ACTIVATE_CNF         |
     |                              * <=========================== *
(23) |                              |         T30_ACTIVATE_REQ        |
     |                              * ===========================> *
(24) |                              |         T30_ACTIVATE_CNF        |
     |                              * <=========================== *
(25) |                              |         T30_CONFIG_REQ          |
     |                              * ===========================> *
(26) |                              |         T30_CAP_REQ             |
     |                              * ===========================> *
(27) |                              |         T30_PREAMBLE_IND        |
     |                              * <=========================== *
(28) |                              |       DTI_DATA_TEST_REQ         |
     |                              |          (msg: +FCO)            |
     |                              * ===========================> *
(29) |                              |         DTI_READY_IND           |
     |                              * <=========================== *
(30) |                              |         T30_CAP_IND             |
     |                              * <=========================== *
(31) |                              |       DTI_DATA_TEST_REQ         |
     |                              |          (msg: OK)              |
     |                              * ===========================> *
(32) |                              |         DTI_READY_IND           |
     |                              * <=========================== *
(33) |                              |       DTI_DATA_TEST_IND         |
     |                              |        (cmd: AT+FDR)            |
     |                              * <=========================== *
(34) |                              |         DTI_GETDATA_REQ         |
     |                              * ===========================> *
(35) |                              |         T30_PHASE_IND           |
     |                              |            (MSG)                |
     |                              * <=========================== *
(36) |                              |       DTI_DATA_TEST_REQ         |
     |                              |        (msg: CONNECT)           |
     |                              * ===========================> *
(37) |                              |         DTI_READY_IND           |
     |                              * <=========================== *
(38) |                              |         DTI_GETDATA_REQ         |
     |                              * ===========================> *
(39) |                              |         UART_SET_DTI_REQ        |
     |                              * ===========================> *
(40) |                              |         UART_SET_DTI_CNF        |
     |                              * <=========================== *
(41) |                              |         T30_DTI_REQ             |
     |                              |        (T30_CONNECT_DTI)        |
     |                              * ===========================> *
(42) |                              |         DTI_READY_IND           |
     |                              * <=========================== *
(43) |                              |         T30_DTI_CNF             |
     |                              |        (T30_CONNECT_DTI)        |
     |                              * <=========================== *
(44) |                              |         T30_PHASE_IND           |
     |                              |            (BCS)                |
     |                              * <=========================== *
(45) |                              |         T30_DTI_REQ             |
     |                              |      (T30_DISCONNECT_DTI)       |
     |                              * ===========================> *
```

```
(46)  |                          |       T30_DTI_CNF           |
      |                          |     (T30_DISCONNECT_DTI)    |
      |                          * <=========================== *
(47)  |                          |      UART_SET_DTI_REQ        |
      |                          * ===========================> *
(48)  |                          |      UART_SET_DTI_CNF        |
      |                          * <=========================== *
(49)  |                          |        UART_DCD_REQ          |
      |                          * ===========================> *
(50)  |                          |       DTI_GETDATA_REQ        |
      |                          * ===========================> *
(51)  |                          |       DTI_READY_IND          |
      |                          * <=========================== *
(52)  |                          |     MNCC_DISCONNECT_IND      |
      |                          * <=========================== *
(53)  |                          |      MNCC_RELEASE_CNF        |
      |                          * <=========================== *
(54)  |                          |        SIM_SYNC_REQ          |
      |                          * ===========================> *
(55)  |                          |      T30_DEACTIVATE_REQ      |
      |                          * ===========================> *
(56)  |                          |      T30_DEACTIVATE_CNF      |
      |                          * <=========================== *
(57)  |                          |       RA_DEACTIVATE_REQ      |
      |                          * ===========================> *
(58)  |                          |       RA_DEACTIVATE_CNF      |
      |                          * <=========================== *
(59)  |                          |      DTI_DATA_TEST_REQ       |
      |                          |      (msg: NO CARRIER)       |
      |                          * ===========================> *
(60)  |                          |        DTI_READY_IND         |
      |                          * <=========================== *
      |                          |                             |
```

Parametrization:

	Primitive	Parameter	Value
(1)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_AT_E0
(2)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(3)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

```
(4)  DTI_READY_IND                    tui                          NUM_2
                                      c_id                         NUM_1
                                      op_ack                       NOT_USED

(5)  DTI_DATA_TEST_REQ                tui                          NUM_1
                                      c_id                         NUM_1
                                      p_id                         NOT_USED
                                      op_ack                       NOT_USED
                                      st_flow                      NOT_USED
                                      st_line_sa                   NOT_USED
                                      st_line_sb                   NOT_USED
                                      st_escape                    NOT_USED
                                      sdu                          F_RESP_TE0_CR_OK

(6)  DTI_READY_IND
                                      tui                          NUM_2
                                      c_id                         NUM_1
                                      op_ack                       NOT_USED

(7)  DTI_DATA_TEST_IND                tui                          NUM_2
                                      c_id                         NUM_1
                                      p_id                         NOT_USED
                                      op_ack                       NOT_USED
                                      st_flow                      NOT_USED
                                      st_line_sa                   NOT_USED
                                      st_line_sb                   NOT_USED
                                      st_escape                    NOT_USED
                                      sdu                          F_C_96PLUS_CMOD_FAX

(8)  MNCC_CONFIGURE_REQ               called_party_sub             NOT_USED
                                      bcpara                       NOT_USED
                                      sns_mode                     NOT_USED

(9)  DTI_DATA_TEST_REQ                tui                          NUM_1
                                      c_id                         NUM_1
                                      p_id                         NOT_USED
                                      op_ack                       NOT_USED
                                      st_flow                      NOT_USED
                                      st_line_sa                   NOT_USED
                                      st_line_sb                   NOT_USED
                                      st_escape                    NOT_USED
                                      sdu                          F_M_OK

(10) DTI_READY_IND                    tui                          NUM_2
                                      c_id                         NUM_1
                                      op_ack                       NOT_USED

(11) MNCC_SETUP_IND
                                      ti                           NUM_8
                                      ri                           RI_CIRCULAR
                                      bcpara                       S_BS_FAX
                                      bcpara2                      S_BS_VOICE
                                      progress_desc                PROG_NOT_PRES
                                      sig                          SIG_RING_BACK_TONE_ON
                                      calling_party                S_CLG_PARTY
                                      calling_party_sub            S_CLG_PARTY_SUB
                                      called_party                 S_CLD_PARTY
                                      called_party_sub             S_CLD_PARTY_SUB

(12) DTI_GETDATA_REQ                  tui                          NUM_1
                                      c_id                         NUM_1
                                      op_ack                       NOT_USED
```

TEXAS INSTRUMENTS

(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_ALERT_REQ	ti	NUM_8
(16)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(17)	MNCC_SETUP_RES	ti	NUM_8
(18)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(19)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS
(20)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(21)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(22)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(24)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(25)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(26)	T30_CAP_REQ	hdlc_info	NOT_USED
(27)	T30_PREAMBLE_IND		
(28)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED

		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(29)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(30)	T30_CAP_IND	hdlc_info	S_HDLC_DCS
(31)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(32)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(33)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(34)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(35)	T30_PHASE_IND	phase	MSG_PHASE
(36)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(37)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(38)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(39)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED

(40)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(41)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(42)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(43)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(44)	T30_PHASE_IND	phase	BCS_PHASE
(45)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(46)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(47)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(48)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(49)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(50)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(51)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(52)	MNCC_DISCONNECT_IND	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
		diagnostic	NOT_PRESENT_8BIT
		progress_desc	PROG_NOT_PRES
(53)	MNCC_RELEASE_CNF	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(54)	SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(55)	T30_DEACTIVATE_REQ		
(56)	T30_DEACTIVATE_CNF		
(57)	RA_DEACTIVATE_REQ		
(58)	RA_DEACTIVATE_CNF		

(59)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_NO_CARRIER
(60)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

History: 10.08.98   ACI   Initial

4.4.8 ACIFD048: FAX call abortion, due to DISCONNECT indication – within Phase C

Description:
FAX call abortion, due to DISCONNECT indication

Preamble:
ACIFD003

```
      APL                        ACI                              PS
       |                          |                               |
 (1)   |                          |      DTI_DATA_TEST_IND         |
       |                          |         (cmd: ATE0)           |
       |                          * <=========================== *
 (2)   |                          |      DTI_DATA_TEST_REQ         |
       |                          |          (cmd: A)             |
       |                          * ===========================> *
 (3)   |                          |      DTI_GETDATA_REQ           |
       |                          * ===========================> *
 (4)   |                          |       DTI_READY_IND           |
       |                          * <=========================== *
 (5)   |                          |      DTI_DATA_TEST_REQ         |
       |                          |      (cmd: TE0_CR_OK)         |
       |                          * ===========================> *
 (6)   |                          |       DTI_READY_IND           |
       |                          * <=========================== *
 (7)   |                          |      DTI_DATA_TEST_IND         |
       |                          |(cmd:AT+CBST=7,0,0;+CMOD=1)    |
       |                          * <=========================== *
 (8)   |                          |      MNCC_CONFIGURE_REQ        |
       |                          * ===========================> *
 (9)   |                          |      DTI_DATA_TEST_REQ         |
       |                          |         (msg: OK)             |
       |                          * ===========================> *
(10)   |                          |       DTI_READY_IND           |
       |                          * <=========================== *
(11)   |                          |      MNCC_SETUP_IND            |
       |                          * <=========================== *
(12)   |                          |      DTI_GETDATA_REQ           |
       |                          * ===========================> *
(13)   |                          |      DTI_DATA_TEST_REQ         |
       |                          |        (msg: RING)            |
       |                          * ===========================> *
(14)   |                          |       DTI_READY_IND           |
       |                          * <=========================== *
(15)   |                          |      MNCC_ALERT_REQ            |
       |                          * ===========================> *
(16)   |                          |      DTI_DATA_TEST_IND         |
       |                          |         (cmd: ATA)           |
       |                          * <=========================== *
(17)   |                          |      MNCC_SETUP_RES            |
       |                          * ===========================> *
(18)   |                          |      MNCC_SYNC_IND             |
       |                          * <=========================== *
(19)   |                          |      MNCC_SETUP_COMPL_IND      |
       |                          * <=========================== *
(20)   |                          |       SIM_SYNC_REQ            |
       |                          * ===========================> *
```

TEXAS INSTRUMENTS

```
(21)  |                          |           RA_ACTIVATE_REQ        |
      |                          * ==========================> *
(22)  |                          |           RA_ACTIVATE_CNF        |
      |                          * <========================== *
(23)  |                          |           T30_ACTIVATE_REQ       |
      |                          * ==========================> *
(24)  |                          |           T30_ACTIVATE_CNF       |
      |                          * <========================== *
(25)  |                          |           T30_CONFIG_REQ         |
      |                          * ==========================> *
(26)  |                          |           T30_CAP_REQ            |
      |                          * ==========================> *
(27)  |                          |           T30_PREAMBLE_IND       |
      |                          * <========================== *
(28)  |                          |         DTI_DATA_TEST_REQ        |
      |                          |           (msg: +FCO)            |
      |                          * ==========================> *
(29)  |                          |           DTI_READY_IND          |
      |                          * <========================== *
(30)  |                          |           T30_CAP_IND            |
      |                          * <========================== *
(31)  |                          |         DTI_DATA_TEST_REQ        |
      |                          |           (msg: OK)              |
      |                          * ==========================> *
(32)  |                          |           DTI_READY_IND          |
      |                          * <========================== *
(33)  |                          |         DTI_DATA_TEST_IND        |
      |                          |          (cmd: AT+FDR)           |
      |                          * <========================== *
(34)  |                          |           DTI_GETDATA_REQ        |
      |                          * ==========================> *
(35)  |                          |           T30_PHASE_IND          |
      |                          |               (MSG)              |
      |                          * <========================== *
(36)  |                          |         DTI_DATA_TEST_REQ        |
      |                          |         (msg: CONNECT)           |
      |                          * ==========================> *
(37)  |                          |           DTI_READY_IND          |
      |                          * <========================== *
(38)  |                          |           DTI_GETDATA_REQ        |
      |                          * ==========================> *
(39)  |                          |           UART_SET_DTI_REQ       |
      |                          * ==========================> *
(40)  |                          |           UART_SET_DTI_CNF       |
      |                          * <========================== *
(41)  |                          |           T30_DTI_REQ            |
      |                          |         (T30_CONNECT_DTI)        |
      |                          * ==========================> *
(42)  |                          |           DTI_READY_IND          |
      |                          * ==========================> *
(43)  |                          |           T30_DTI_CNF            |
      |                          |         (T30_CONNECT_DTI)        |
      |                          * <========================== *
(44)  |                          |         MNCC_DISCONNECT_IND      |
      |                          * <========================== *
(45)  |                          |         MNCC_RELEASE_CNF         |
      |                          * <========================== *
(46)  |                          |           SIM_SYNC_REQ           |
      |                          * ==========================> *
```

```
(47) |                         |            T30_DTI_REQ          |
     |                         |        (T30_DISCONNECT_DTI)     |
     |                         *============================> *
(48) |                         |            T30_DTI_CNF          |
     |                         |        (T30_DISCONNECT_DTI)     |
     |                         *<============================ *
(49) |                         |          T30_DEACTIVATE_REQ     |
     |                         *============================> *
(50) |                         |          T30_DEACTIVATE_CNF     |
     |                         *<============================ *
(51) |                         |           UART_SET_DTI_REQ      |
     |                         *============================> *
(52) |                         |           UART_SET_DTI_CNF      |
     |                         *<============================ *
(53) |                         |           RA_DEACTIVATE_REQ     |
     |                         *============================> *
(54) |                         |           RA_DEACTIVATE_CNF     |
     |                         *<============================ *
(55) |                         |             UART_DCD_REQ        |
     |                         *============================> *
(56) |                         |            DTI_GETDATA_REQ      |
     |                         *============================> *
(57) |                         |            DTI_READY_IND        |
     |                         *<============================ *
(58) |                         |            DTI_GETDATA_REQ      |
     |                         *============================> *
(59) |                         |           DTI_DATA_TEST_REQ     |
     |                         |          (msg: NO CARRIER)      |
     |                         *============================> *
(60) |                         |            DTI_READY_IND        |
     |                         *<============================ *
     |                         |                                 |
```

Parametrization:

	Primitive	Parameter	Value
(1)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_AT_E0
(2)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(3)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

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```
(4)   DTI_READY_IND                    tui                     NUM_2
                                       c_id                    NUM_1
                                       op_ack                  NOT_USED

(5)   DTI_DATA_TEST_REQ                tui                     NUM_1
                                       c_id                    NUM_1
                                       p_id                    NOT_USED
                                       op_ack                  NOT_USED
                                       st_flow                 NOT_USED
                                       st_line_sa              NOT_USED
                                       st_line_sb              NOT_USED
                                       st_escape               NOT_USED
                                       sdu                     F_RESP_TE0_CR_OK

(6)   DTI_READY_IND
                                       tui                     NUM_2
                                       c_id                    NUM_1
                                       op_ack                  NOT_USED

(7)   DTI_DATA_TEST_IND                tui                     NUM_2
                                       c_id                    NUM_1
                                       p_id                    NOT_USED
                                       op_ack                  NOT_USED
                                       st_flow                 NOT_USED
                                       st_line_sa              NOT_USED
                                       st_line_sb              NOT_USED
                                       st_escape               NOT_USED
                                       sdu                     F_C_96PLUS_CMOD_FAX

(8)   MNCC_CONFIGURE_REQ               called_party_sub        NOT_USED
                                       bcpara                  NOT_USED
                                       sns_mode                NOT_USED

(9)   DTI_DATA_TEST_REQ                tui                     NUM_1
                                       c_id                    NUM_1
                                       p_id                    NOT_USED
                                       op_ack                  NOT_USED
                                       st_flow                 NOT_USED
                                       st_line_sa              NOT_USED
                                       st_line_sb              NOT_USED
                                       st_escape               NOT_USED
                                       sdu                     F_M_OK

(10)  DTI_READY_IND                    tui                     NUM_2
                                       c_id                    NUM_1
                                       op_ack                  NOT_USED

(11)  MNCC_SETUP_IND
                                       ti                      NUM_8
                                       ri                      RI_CIRCULAR
                                       bcpara                  S_BS_FAX
                                       bcpara2                 S_BS_VOICE
                                       progress_desc           PROG_NOT_PRES
                                       sig                     SIG_RING_BACK_TONE_ON
                                       calling_party           S_CLG_PARTY
                                       calling_party_sub       S_CLG_PARTY_SUB
                                       called_party            S_CLD_PARTY
                                       called_party_sub        S_CLD_PARTY_SUB

(12)  DTI_GETDATA_REQ                  tui                     NUM_1
                                       c_id                    NUM_1
                                       op_ack                  NOT_USED
```

(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_ALERT_REQ	ti	NUM_8
(16)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(17)	MNCC_SETUP_RES	ti	NUM_8
(18)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(19)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS
(20)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(21)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(22)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(23)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(24)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(25)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(26)	T30_CAP_REQ	hdlc_info	NOT_USED
(27)	T30_PREAMBLE_IND		
(28)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED

		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(29)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(30)	T30_CAP_IND	hdlc_info	S_HDLC_DCS
(31)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(32)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(33)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(34)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(35)	T30_PHASE_IND	phase	MSG_PHASE
(36)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(37)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(38)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(39)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED

(40)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(41)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(42)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(43)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(44)	MNCC_DISCONNECT_IND		
		ti	NUM_8
		cause	CAUSE_CALL_CLEAR
		diagnostic	NOT_PRESENT_8BIT
		progress_desc	PROG_NOT_PRES
(45)	MNCC_RELEASE_CNF		
		ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(46)	SIM_SYNC_REQ		
		synccs	SYNC_STOP_CALL
(47)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(48)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(49)	T30_DEACTIVATE_REQ		
(50)	T30_DEACTIVATE_CNF		
(51)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(52)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(53)	RA_DEACTIVATE_REQ		
(54)	RA_DEACTIVATE_CNF		
(55)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(56)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(57)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

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(58)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(59)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_NO_CARRIER
(60)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

History: 10.08.98   ACI   Initial

4.4.9 ACIFD049: MT FAX call (receive 2 pages complete)

Description:

Mobile terminated FAX call (receive 2 pages complete)

Preamble:

ACIFD002

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```
        APL                           ACI                          PS
         |                             |                            |
COMMAND (MMI CONFIG START_DTI)
         |                             |                            |
(1)      |                             |    UART_SET_PARAMETERS_REQ  |
         |                             *============================>*
(2)      |                             |      UART_SET_ESCAPE_REQ    |
         |                             *============================>*
(3)      |                             |       UART_SET_DTI_REQ      |
         |                             *============================>*
(4)      |                             |       UART_SET_DTI_CNF      |
         |                             *<============================ *
(5)      |                             |         UART_DCD_REQ        |
         |                             *============================>*
(6)      |                             |        DTI_GETDATA_REQ      |
         |                             *============================>*
(7)      |                             |        DTI_READY_IND        |
         |                             *<============================ *
(8)      |                             |       DTI_DATA_TEST_IND     |
         |                             | (ATE0;+CBST=7,0,0;+CMOD=1)  |
         |                             *<============================ *
(9)      |                             |       DTI_DATA_TEST_REQ     |
         |                             |           (msg: A)          |
         |                             *============================>*
(10)     |                             |     MNCC_CONFIGURE_REQ      |
         |                             *============================>*
(11)     |                             |        DTI_GETDATA_REQ      |
         |                             *============================>*
(12)     |                             |        DTI_READY_IND        |
         |                             *<============================ *
(13)     |                             |       DTI_DATA_TEST_REQ     |
         |                             |  (msg: TE0;+CBST=7,0,0;..)  |
         |                             *============================>*
(14)     |                             |        DTI_READY_IND        |
         |                             *<============================ *
(15)     |                             |       MNCC_SETUP_IND        |
         |                             *<============================ *
(16)     |                             |       DTI_DATA_TEST_REQ     |
         |                             |        (msg: RING)          |
         |                             *============================>*
(17)     |                             |        DTI_READY_IND        |
         |                             *<============================ *
(18)     |                             |       MNCC_ALERT_REQ        |
         |                             *============================>*
(19)     |                             |       DTI_DATA_TEST_IND     |
         |                             |          (cmd: ATA)         |
         |                             *<============================ *
(20)     |                             |       MNCC_SETUP_RES        |
         |                             *============================>*
(21)     |                             |         SIM_SYNC_REQ        |
         |                             *============================>*
(22)     |                             |        MNCC_SYNC_IND        |
         |                             *<============================ *
(23)     |                             |     MNCC_SETUP_COMPL_IND    |
         |                             *<============================ *
(24)     |                             |        RA_ACTIVATE_REQ      |
         |                             *============================>*
(25)     |                             |        RA_ACTIVATE_CNF      |
         |                             *<============================ *
```

TEXAS INSTRUMENTS

```
(26)  |                            |           T30_ACTIVATE_REQ        |
      |                            * ============================> *
(27)  |                            |           T30_ACTIVATE_CNF        |
      |                            * <============================ *
(28)  |                            |            T30_CONFIG_REQ         |
      |                            * ============================> *
(29)  |                            |              T30_CAP_REQ          |
      |                            * ============================> *
(30)  |                            |            T30_PREAMBLE_IND       |
      |                            * <============================ *
(31)  |                            |           DTI_DATA_TEST_REQ       |
      |                            |              (msg: +FCO)          |
      |                            * ============================> *
(32)  |                            |            DTI_READY_IND          |
      |                            * <============================ *
(33)  |                            |              T30_CAP_IND          |
      |                            * <============================ *
(34)  |                            |           DTI_DATA_TEST_REQ       |
      |                            |              (msg: OK)            |
      |                            * ============================> *
(35)  |                            |            DTI_READY_IND          |
      |                            * <============================ *
(36)  |                            |           DTI_DATA_TEST_IND       |
      |                            |            (cmd: AT+FDR)          |
      |                            * <============================ *
(37)  |                            |            DTI_GETDATA_REQ        |
      |                            * ============================> *
(38)  |                            |            DTI_READY_IND          |
      |                            * <============================ *
(39)  |                            |             T30_PHASE_IND         |
      |                            |                (MSG)              |
      |                            * <============================ *
(40)  |                            |           DTI_DATA_TEST_REQ       |
      |                            |            (msg: CONNECT)         |
      |                            * ============================> *
(41)  |                            |            DTI_READY_IND          |
      |                            * <============================ *
(42)  |                            |            DTI_GETDATA_REQ        |
      |                            * ============================> *
(43)  |                            |            UART_SET_DTI_REQ       |
      |                            * ============================> *
(44)  |                            |            UART_SET_DTI_CNF       |
      |                            * <============================ *
(45)  |                            |              T30_DTI_REQ          |
      |                            |           (T30_CONNECT_DTI)       |
      |                            * ============================> *
(46)  |                            |            DTI_READY_IND          |
      |                            * <============================ *
(47)  |                            |              T30_DTI_CNF          |
      |                            |           (T30_CONNECT_DTI)       |
      |                            * <============================ *
(48)  |                            |             T30_PHASE_IND         |
      |                            |                (BCS)              |
      |                            * <============================ *
(49)  |                            |              T30_DTI_REQ          |
      |                            |          (T30_DISCONNECT_DTI)     |
      |                            * ============================> *
(50)  |                            |              T30_DTI_CNF          |
      |                            |          (T30_DISCONNECT_DTI)     |
      |                            * <============================ *
```

TEXAS INSTRUMENTS

```
(51) |                          |        UART_SET_DTI_REQ        |
     |                          * ===========================> *
(52) |                          |        UART_SET_DTI_CNF        |
     |                          * <=========================== *
(53) |                          |           UART_DCD_REQ         |
     |                          * ===========================> *
(54) |                          |         DTI_GETDATA_REQ        |
     |                          * ===========================> *
(55) |                          |          DTI_READY_IND         |
     |                          * <=========================== *
(56) |                          |           T30_EOL_IND          |
     |                          |             (eol)              |
     |                          * <=========================== *
(57) |                          |           T30_SGN_IND          |
     |                          |           (SGN_MPS)            |
     |                          * <=========================== *
(58) |                          |        DTI_DATA_TEST_REQ       |
     |                          |    (msg: +FPS:1,0,0,0,0)       |
     |                          * ===========================> *
(59) |                          |          DTI_READY_IND         |
     |                          * <=========================== *
(60) |                          |         DTI_GETDATA_REQ        |
     |                          * ===========================> *
(61) |                          |        DTI_DATA_TEST_REQ       |
     |                          |     (msg: +FET:0OK ???)        |
     |                          * ===========================> *
(62) |                          |          DTI_READY_IND         |
     |                          * <=========================== *
(63) |                          |        DTI_DATA_TEST_IND       |
     |                          |         (cmd: AT+FDR)          |
     |                          * <=========================== *
(64) |                          |           T30_SGN_REQ          |
     |                          |           (SGN_MCF)            |
     |                          * ===========================> *
(65) |                          |          T30_PHASE_IND         |
     |                          |             (MSG)              |
     |                          * <=========================== *
(66) |                          |        DTI_DATA_TEST_REQ       |
     |                          |        (msg: CONNECT)          |
     |                          * ===========================> *
(67) |                          |          DTI_READY_IND         |
     |                          * <=========================== *
(68) |                          |         DTI_GETDATA_REQ        |
     |                          * ===========================> *
(69) |                          |        UART_SET_DTI_REQ        |
     |                          * ===========================> *
(70) |                          |        UART_SET_DTI_CNF        |
     |                          * <=========================== *
(71) |                          |          T30_DTI_REQ          |
     |                          |      (T30_CONNECT_DTI)        |
     |                          * ===========================> *
(72) |                          |          DTI_READY_IND         |
     |                          * <=========================== *
(73) |                          |          T30_DTI_CNF          |
     |                          |      (T30_CONNECT_DTI)        |
     |                          * <=========================== *
(74) |                          |          T30_PHASE_IND         |
     |                          |             (BCS)              |
     |                          * <=========================== *
```

```
(75)  |                             |           T30_DTI_REQ           |
      |                             |       (T30_DISCONNECT_DTI)      |
      |                             *===========================> *
(76)  |                             |           T30_DTI_CNF           |
      |                             |       (T30_DISCONNECT_DTI)      |
      |                             *<=========================== *
(77)  |                             |         UART_SET_DTI_REQ        |
      |                             *===========================> *
(78)  |                             |         UART_SET_DTI_CNF        |
      |                             *<=========================== *
(79)  |                             |           UART_DCD_REQ          |
      |                             *===========================> *
(80)  |                             |         DTI_GETDATA_REQ         |
      |                             *===========================> *
(81)  |                             |          DTI_READY_IND          |
      |                             *<=========================== *
(82)  |                             |           T30_EOL_IND           |
      |                             |              (eol)              |
      |                             *<=========================== *
(83)  |                             |           T30_SGN_IND           |
      |                             |           (SGN_EOP)             |
      |                             *<=========================== *
(84)  |                             |        DTI_DATA_TEST_REQ        |
      |                             |     (msg: +FPS:1,0,0,0,0)       |
      |                             *===========================> *
(85)  |                             |          DTI_READY_IND          |
      |                             *<=========================== *
(86)  |                             |         DTI_GETDATA_REQ         |
      |                             *===========================> *
(87)  |                             |        DTI_DATA_TEST_REQ        |
      |                             |      (msg: +FET:2OK ???)        |
      |                             *===========================> *
(88)  |                             |          DTI_READY_IND          |
      |                             *<=========================== *
(89)  |                             |        DTI_DATA_TEST_IND        |
      |                             |          (cmd: AT+FDR)          |
      |                             *<=========================== *
(90)  |                             |           T30_SGN_REQ           |
      |                             |           (SGN_MCF)             |
      |                             *===========================> *
(91)  |                             |           T30_CMPL_IND          |
      |                             |           (CMPL_EOP)            |
      |                             *<=========================== *
(92)  |                             |        DTI_DATA_TEST_REQ        |
      |                             |         (msg: +FHS:00)          |
      |                             *===========================> *
(93)  |                             |          DTI_READY_IND          |
      |                             *<=========================== *
(94)  |                             |        T30_DEACTIVATE_REQ       |
      |                             *===========================> *
(95)  |                             |        T30_DEACTIVATE_CNF       |
      |                             *<=========================== *
(96)  |                             |        RA_DEACTIVATE_REQ        |
      |                             *===========================> *
(97)  |                             |        RA_DEACTIVATE_CNF        |
      |                             *<=========================== *
(98)  |                             |           SIM_SYNC_REQ          |
      |                             *===========================> *
(99)  |                             |        MNCC_DISCONNECT_REQ      |
      |                             *===========================> *
```

```
(100) |                                   |       MNCC_RELEASE_IND       |
      |                                   * <========================= *
      |                                   |                              |
```

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Parametrization:

	Primitive	Parameter	Value
(1)	UART_SET_PARAMETERS_REQ	device	NUM_0
		comPar	NOT_USED
(2)	UART_SET_ESCAPE_REQ	device	NUM_0
		escChar	
		UART_ESC_CHARACTER_DEFAULT	
		guardPeriod	
		UART_GUARD_PERIOD_DEF1000	
(3)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(4)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(5)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(6)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(7)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(8)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	
		F_C_ATE096PLUS_CMOD_FAX	
(9)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_RESP_A
(10)	MNCC_CONFIGURE_REQ	called_party_sub	NOT_USED
		bcpara	NOT_USED
		sns_mode	NOT_USED
(11)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

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(12)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(13)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_TE0CBST7
(14)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(15)	MNCC_SETUP_IND	ti	NUM_8
		ri	RI_CIRCULAR
		bcpara	S_BS_FAX
		bcpara2	S_BS_VOICE
		progress_desc	PROG_NOT_PRES
		sig	SIG_RING_BACK_TONE_ON
		calling_party	S_CLG_PARTY
		calling_party_sub	S_CLG_PARTY_SUB
		called_party	S_CLD_PARTY
		called_party_sub	S_CLD_PARTY_SUB
(16)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_RING
(17)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(18)	MNCC_ALERT_REQ	ti	NUM_8
(19)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_ATA
(20)	MNCC_SETUP_RES	ti	NUM_8
(21)	SIM_SYNC_REQ	synccs	SYNC_START_CALL
(22)	MNCC_SYNC_IND	ti	NOT_PRESENT_8BIT
		cause	CAUSE_NOT_PRES
		chm	S_CHN_FULL_9600
(23)	MNCC_SETUP_COMPL_IND	ti	NUM_8
		res	RES_POS

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(24)	RA_ACTIVATE_REQ	model	RA_MODEL_FAX
		tra_rate	TRA_FULLRATE_9600
		user_rate	URA_9600
		ndb	NUM_8
		nsb	NUM_1
		bitorder	NUM_0
(25)	RA_ACTIVATE_CNF	ack_flg	RA_ACK
(26)	T30_ACTIVATE_REQ	trans_rate	NUM_9600
		half_rate	NUM_0
		threshold	NUM_DEC_90
		frames_per_prim	NUM_3
		bitorder	NUM_0
(27)	T30_ACTIVATE_CNF	buf_size_rx	NUM_4800
		buf_size_tx	NUM_4800
(28)	T30_CONFIG_REQ	hdlc_report	NUM_1
		test_mode	NOT_USED
(29)	T30_CAP_REQ	hdlc_info	NOT_USED
(30)	T30_PREAMBLE_IND		
(31)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FCO
(32)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(33)	T30_CAP_IND	hdlc_info	S_HDLC_DCS
(34)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_OK
(35)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(36)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR

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(37)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

(38)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

| (39) | T30_PHASE_IND | phase | MSG_PHASE |

(40)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT

(41)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

(42)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED

(43)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED

| (44) | UART_SET_DTI_CNF | device | NUM_0 |
| | | dlci | NUM_0 |

(45)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL

(46)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED

| (47) | T30_DTI_CNF | dti_conn | T30_CONNECT_DTI |

| (48) | T30_PHASE_IND | phase | BCS_PHASE |

(49)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL

| (50) | T30_DTI_CNF | dti_conn | T30_DISCONNECT_DTI |

(51)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED

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		c_id	NUM_1
		entity_name	NOT_USED
(52)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(53)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(54)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(55)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(56)	T30_EOL_IND	eol	EOL_0
(57)	T30_SGN_IND	sgn	SGN_MPS
(58)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FPS
(59)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(60)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(61)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FET0
(62)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(63)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(64)	T30_SGN_REQ	sgn	SGN_MCF

(65)	T30_PHASE_IND	phase	MSG_PHASE
(66)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_CONNECT
(67)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(68)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(69)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(70)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0
(71)	T30_DTI_REQ	dti_conn	T30_CONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(72)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(73)	T30_DTI_CNF	dti_conn	T30_CONNECT_DTI
(74)	T30_PHASE_IND	phase	BCS_PHASE
(75)	T30_DTI_REQ	dti_conn	T30_DISCONNECT_DTI
		tui	UNIT_T30
		entity_name	NOT_USED
		ul_tui	NOT_USED
		c_id	NOT_USED
		dti_direction	T30_DTI_NORMAL
(76)	T30_DTI_CNF	dti_conn	T30_DISCONNECT_DTI
(77)	UART_SET_DTI_REQ	device	NUM_0
		dlci	NUM_0
		tui_uart	NOT_USED
		tui_peer	NOT_USED
		c_id	NUM_1
		entity_name	NOT_USED
(78)	UART_SET_DTI_CNF	device	NUM_0
		dlci	NUM_0

(79)	UART_DCD_REQ	device	NUM_0
		dlci	NUM_0
		line_state	UART_LINE_ON
(80)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(81)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(82)	T30_EOL_IND	eol	EOL_0
(83)	T30_SGN_IND	sgn	SGN_EOP
(84)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FPS
(85)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(86)	DTI_GETDATA_REQ	tui	NUM_1
		c_id	NUM_1
		op_ack	NOT_USED
(87)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FET2
(88)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(89)	DTI_DATA_TEST_IND	tui	NUM_2
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED
		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_C_PLUS_FDR
(90)	T30_SGN_REQ	sgn	SGN_MCF
(91)	T30_CMPL_IND	cmpl	CMPL_EOP
(92)	DTI_DATA_TEST_REQ	tui	NUM_1
		c_id	NUM_1
		p_id	NOT_USED
		op_ack	NOT_USED

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		st_flow	NOT_USED
		st_line_sa	NOT_USED
		st_line_sb	NOT_USED
		st_escape	NOT_USED
		sdu	F_M_PLUS_FHS
(93)	DTI_READY_IND	tui	NUM_2
		c_id	NUM_1
		op_ack	NOT_USED
(94)	T30_DEACTIVATE_REQ		
(95)	T30_DEACTIVATE_CNF		
(96)	RA_DEACTIVATE_REQ		
(97)	RA_DEACTIVATE_CNF		
(98)	SIM_SYNC_REQ	synccs	SYNC_STOP_CALL
(99)	MNCC_DISCONNECT_REQ	ti	NUM_8
		cause	CAUSE_CALL_CLEAR
(100)	MNCC_RELEASE_IND	ti	NUM_0
		cause	CAUSE_CALL_CLEAR

History:	27.06.2001	ACI	Initial

4.5 FAX Transfer - Initialize Parameters +FIP

4.5.1 ACIFD051: Test to perform illegal command "+FIP=?"

Description:

Initialize facsimile parameters, testing illegal command and values

Preamble:

ACIFD004

Variants:

<A>...<C>

```
      APL                               ACI                          PS
       |                                 |                            |
(1)    |          ACI_CMD_REQ            |                            |
       |           (cmd: +FIP)           |                            |
       * ===========================> *                               |
(2)    |          ACI_CMD_IND            |                            |
       |           (cmd: ERROR)          |                            |
       * <=========================== *                               |
       |                                 |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FIP_T
<A>	cmd_seq	C_FIP_T
<B>	cmd_len	LC_FIP_Q
<B>	cmd_seq	C_FIP_Q
<C>	cmd_len	LC_FIP_S9
<C>	cmd_seq	C_FIP_S9

(2) ACI_CMD_IND
    <A>   cmd_len   LM_ERR_OPERATION
    <A>   cmd_seq   M_ERR_OPERATION
    <B>   cmd_len   LM_ERR_OPERATION
    <B>   cmd_seq   M_ERR_OPERATION
    <C>   cmd_len   LM_ERROR
    <C>   cmd_seq   M_ERROR

History: 03.11.99   DAK   Initial

4.5.2 ACIFD052: Test to set several values"+FIP="

Description:
    Initialize facsimile parameters, testing to set values

Preamble:
    ACIFD004

Variants:
    <A>...<C>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FIP_S0
<A>	cmd_seq	C_FIP_S0
<B>	cmd_len	LC_FIP_S1
<B>	cmd_seq	C_FIP_S1
<C>	cmd_len	LC_FIP_S1
<C>	cmd_seq	C_FIP_S2
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 03.11.99   DAK   Initial

4.6 FAX Transfer - Service class identification and control +FCLASS

4.6.1 ACIFD061: listing supported modes "+FCLASS=?"

Description:

Service class identification and control, list of supported modes

Preamble:

ACIFD004

```
    APL                              ACI                       PS
     |                                |                         |
(1)  |           ACI_CMD_REQ          |                         |
     |          (cmd: +FCLASS)        |                         |
     * ========================> *                              |
(2)  |           ACI_CMD_IND          |                         |
     |          (cmd: 0,2.0,8)        |                         |
     * <======================== *                              |
(3)  |           ACI_CMD_IND          |                         |
     |            (msg: OK)            |                         |
     * <======================== *                              |
     |                                |                         |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCLASS_T
	cmd_seq	C_FCLASS_T
(2) ACI_CMD_IND		
	cmd_len	LM_FCLASS_T
	cmd_seq	M_FCLASS_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 03.11.99   DAK   Initial

4.6.2 ACIFD062: getting initial settings "+FCLASS?"

Description:

Service class identification and control, test initial settings

Preamble:

ACIFD004

```
        APL                            ACI                        PS
         |                              |                          |
(1)      |         ACI_CMD_REQ          |                          |
         |       (cmd: AT+FCLASS?)      |                          |
         * ===========================> *                          |
(2)      |         ACI_CMD_IND          |                          |
         |           (msg: 0)           |                          |
         * <=========================== *                          |
(3)      |         ACI_CMD_IND          |                          |
         |          (msg: OK)           |                          |
         * <=========================== *                          |
         |                              |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCLASS_Q
	cmd_seq	C_FCLASS_Q
(2) ACI_CMD_IND		
	cmd_len	LM_FCLASS_Q0
	cmd_seq	M_FCLASS_Q0
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	04.11.99	DAK	Initial

4.6.3 ACIFD063: setting supported modes an test whether the set was performed "+FCLASS=..."

Description:

Service class identification and control, setting modes and test whether they are tested

Preamble:

ACIFD004

Variants:

<A>...<B>

```
        APL                          ACI                          PS
         |                            |                            |
(1)      |         ACI_CMD_REQ        |                            |
         |       (cmd: +FCLASS=...)   |                            |
         * ==========================> *                            |
(2)      |         ACI_CMD_IND        |                            |
         |          (msg: OK)         |                            |
         * <========================== *                            |
(3)      |         ACI_CMD_REQ        |                            |
         |       (cmd: +FCLASS?)      |                            |
         * ==========================> *                            |
(4)      |         ACI_CMD_IND        |                            |
         |          (cmd: ...)        |                            |
         * <========================== *                            |
(5)      |         ACI_CMD_IND        |                            |
         |          (msg: OK)         |                            |
         * <========================== *                            |
         |                            |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FCLASS_S0
<A>	cmd_seq	C_FCLASS_S0
<B>	cmd_len	LC_FCLASS_S1
<B>	cmd_seq	C_FCLASS_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_FCLASS_Q
	cmd_seq	C_FCLASS_Q
(4) ACI_CMD_IND		
<A>	cmd_len	LM_FCLASS_Q2_0
<A>	cmd_seq	M_FCLASS_Q2_0
<B>	cmd_len	LM_FCLASS_Q8
<B>	cmd_seq	M_FCLASS_Q8
(5) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	04.11.99	DAK	Initial

4.6.4 ACIFD064: trying to set illegal modes "+FCLASS=..."

Description:
Service class identification and control, trying to set illegal modes

Preamble:
ACIFD004

Variants:
<A>...<B>

TEXAS INSTRUMENTS

```
     APL                           ACI                          PS
      |                             |                            |
(1)   |          ACI_CMD_REQ        |                            |
      |          (cmd: +FCLASS)     |                            |
      * ==========================> *                            |
(2)   |          ACI_CMD_IND        |                            |
      |          (cmd: ERROR)       |                            |
      * <========================== *                            |
      |                             |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FCLASS_S1
<A>	cmd_seq	C_FCLASS_S8
<B>	cmd_len	LC_FCLASS_S0
<B>	cmd_seq	C_FCLASS_S9
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 04.11.99   DAK   Initial

4.7 FAX Transfer- DCE capabilities parameter +FCC

4.7.1 ACIFD071: setting several values "+FCC=<VR>,,,,<DF>,<EC>,<BF>,,<JP>"

Description:
       DCE capabilities parameter, setting <VR>,<DF>,<EC>,<BF> and <JP> values
Preamble:
       ACIFD004
Variants:
       <A>...<B>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S10
<B>	cmd_seq	C_FCC_S11

(2) ACI_CMD_IND

cmd_len	LM_OK
cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.7.2   ACIFD072: setting <BR> value "+FCC=,
,,,,,,,"

Description:
          DCE capabilities parameter, setting <BR> values

Preamble:
          ACIFD004
Variants:
          <A>...<E>

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

Parametrization:
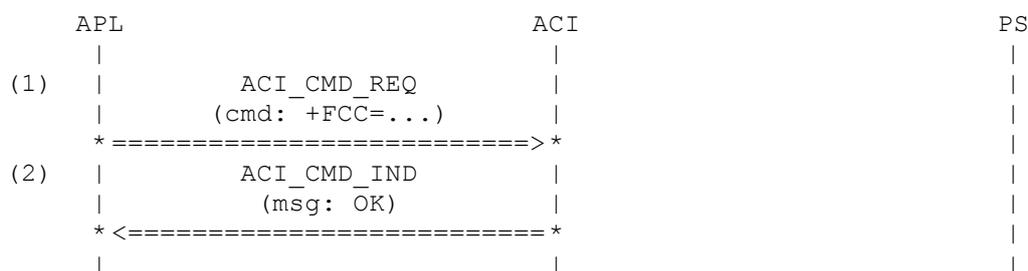
Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S20
<B>	cmd_seq	C_FCC_S21
<C>	cmd_seq	C_FCC_S22
<D>	cmd_seq	C_FCC_S23
<E>	cmd_seq	C_FCC_S24
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.7.3   ACIFD073: setting <WD> values "+FCC=,,<WD>,,,,,,"

Description:
          DCE capabilities parameter, setting <WD> values

Preamble:
          ACIFD004
Variants:
          <A>...<D>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S30
<B>	cmd_seq	C_FCC_S31
<C>	cmd_seq	C_FCC_S32
<D>	cmd_seq	C_FCC_S33
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.7.4 ACIFD074: setting <LN> values "+FCC=,,,<LN>,,,,"

Description:

DCE capabilities parameter, setting <LN> values

Preamble:

ACIFD004

Variants:

<A>...<B>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S40
<B>	cmd_seq	C_FCC_S41
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

TEXAS INSTRUMENTS

History: 04.11.99   DAK   Initial

4.7.5 ACIFD075: setting <ST> value "+FCC=,,,,,,<ST>,"

Description:
        DCE capabilities parameter, setting <ST> value

Preamble:
        ACIFD004
Variants:
        <A>...<G>

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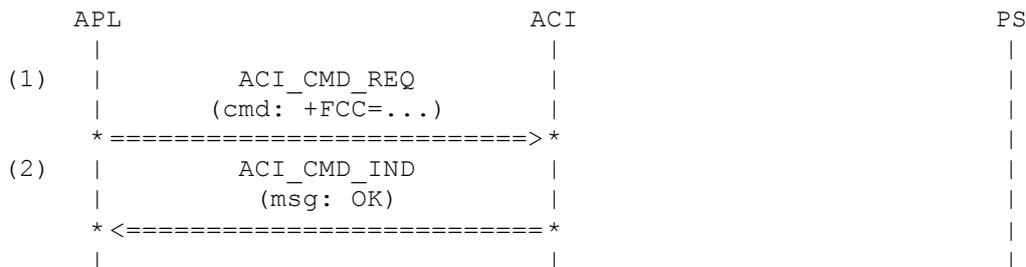
Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S50
<B>	cmd_seq	C_FCC_S51
<C>	cmd_seq	C_FCC_S52
<D>	cmd_seq	C_FCC_S53
<E>	cmd_seq	C_FCC_S54
<F>	cmd_seq	C_FCC_S55
<G>	cmd_seq	C_FCC_S56
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.7.6 ACIFD076: trying to set several illegal values "+FCC=..."

Description:
        DCE capabilities parameter, setting illegal values

Preamble:
        ACIFD004
Variants:
        <A>...<O>

```
      APL                           ACI                         PS
       |                             |                           |
(1)    |          ACI_CMD_REQ        |                           |
       |          (cmd: +FCC=...)     |                           |
       * =========================> *                           |
(2)    |          ACI_CMD_IND        |                           |
       |          (msg: ERROR)        |                           |
       * <========================= *                           |
       |                             |                           |
```
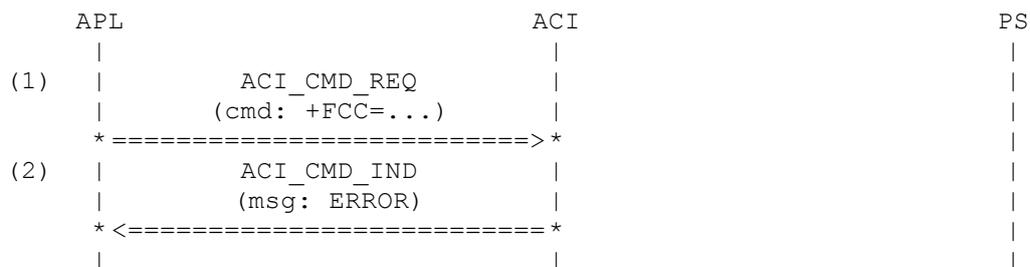
Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FCC_S
<A>	cmd_seq	C_FCC_S60
<B>	cmd_len	LC_FCC_S
<B>	cmd_seq	C_FCC_S61
<C>	cmd_len	LC_FCC_S
<C>	cmd_seq	C_FCC_S62
<D>	cmd_len	LC_FCC_S
<D>	cmd_seq	C_FCC_S63
<E>	cmd_len	LC_FCC_S
<E>	cmd_seq	C_FCC_S64
<F>	cmd_len	LC_FCC_S
<F>	cmd_seq	C_FCC_S65
<G>	cmd_len	LC_FCC_S
<G>	cmd_seq	C_FCC_S66
<H>	cmd_len	LC_FCC_S
<H>	cmd_seq	C_FCC_S67
<I>	cmd_len	LC_FCC_S
<I>	cmd_seq	C_FCC_S68
<J>	cmd_len	LC_FCC_S
<J>	cmd_seq	C_FCC_S69
<K>	cmd_len	LC_FCC_S
<K>	cmd_seq	C_FCC_S70
<L>	cmd_len	LC_FCC_S
<L>	cmd_seq	C_FCC_S71
<M>	cmd_len	LC_FCC_S
<M>	cmd_seq	C_FCC_S72
<N>	cmd_len	LC_FCC_S
<N>	cmd_seq	C_FCC_S73
<O>	cmd_len	LC_FCC_S74
<O>	cmd_seq	C_FCC_S74
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 04.11.99   DAK   Initial

4.7.7 ACIFD077: listing supported modes "+FCC=?"

Description:
    DCE capabilities parameter, listing of supported modes
Preamble:
    ACIFD004

TEXAS INSTRUMENTS

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCC_T
	cmd_seq	C_FCC_T
(2) ACI_CMD_IND		
	cmd_len	LM_FCC_T
	cmd_seq	M_FCC_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	04.11.99	DAK	Initial

4.8 FAX Transfer- Current session parameter +FIS

4.8.1 ACIFD081: setting several values "+FIS=<VR>,,,,<DF>,<EC>,<BF>,,<JP>"

Description:

current session parameter, setting <VR>,<DF>,<EC>,<BF> and <JP> values

Preamble:

ACIFD004

Variants:

<A>...<C>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_S

<A>	cmd_seq	C_FIS_S10
<B>	cmd_seq	C_FIS_S11
<C>	cmd_seq	C_FIS_S01
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 09.11.99   DAK   Initial

4.8.2 ACIFD082: setting <BR> values "+FIS=,
,,,,,,"

Description:

current session parameter, setting <BR> values

Preamble:

ACIFD004

Variants:

<A>...<E>

```
     APL                         ACI                       PS
      |                           |                         |
(11)  |         ACI_CMD_REQ       |                         |
      |        (cmd: +FIS=...)     |                         |
      * ==========================> *                        |
(12)  |         ACI_CMD_IND       |                         |
      |          (msg: OK)        |                         |
      * <========================= *                        |
      |                           |                         |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_S
<A>	cmd_seq	C_FIS_S20
<B>	cmd_seq	C_FIS_S21
<C>	cmd_seq	C_FIS_S22
<D>	cmd_seq	C_FIS_S23
<E>	cmd_seq	C_FIS_S24
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.8.3 ACIFD083: setting <WD> values "+FIS=,,<WD>,,,,,"

Description:

current session parameter, setting <WD> values

Preamble:

ACIFD004

Variants:

<A>...<D>

TEXAS INSTRUMENTS

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_S
<A>	cmd_seq	C_FIS_S30
<B>	cmd_seq	C_FIS_S31
<C>	cmd_seq	C_FIS_S32
<D>	cmd_seq	C_FIS_S33
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	04.11.99	DAK	Initial

4.8.4 ACIFD084: setting <LN> values "+FIS=,,,<LN>,,,,,"

Description:
>   current session parameter, setting <LN> values

Preamble:
>   ACIFD004

Variants:
>   <A>...<B>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_S
<A>	cmd_seq	C_FIS_S40
<B>	cmd_seq	C_FIS_S41
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.8.5 ACIFD085: setting <ST> value "+FIS=,,,,,,<ST>,"

Description:

current session parameter, setting <ST> value
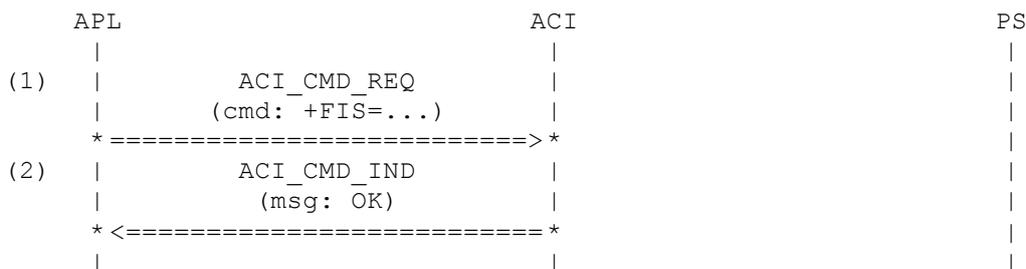
Preamble:

ACIFD004

Variants:

<A>...<G>

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_S
<A>	cmd_seq	C_FIS_S50
<B>	cmd_seq	C_FIS_S51
<C>	cmd_seq	C_FIS_S52
<D>	cmd_seq	C_FIS_S53
<E>	cmd_seq	C_FIS_S54
<F>	cmd_seq	C_FIS_S55
<G>	cmd_seq	C_FIS_S56
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 04.11.99   DAK   Initial

4.8.6 ACIFD086: setting illegal values "+FIS="

Description:

current session parameter, setting illegal values

Preamble:

ACIFD004

Variants:

<A>...<O>

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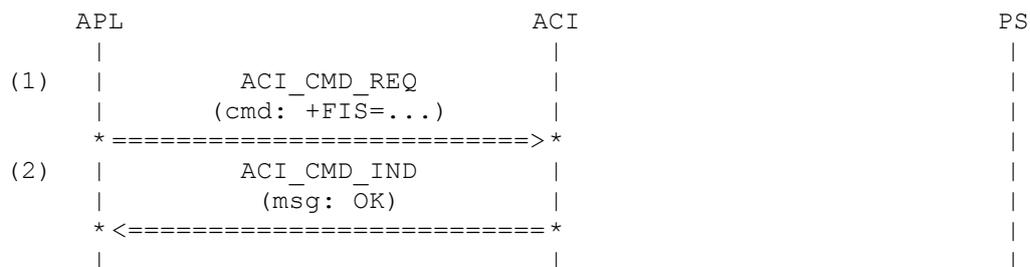
Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FIS_S
<A>	cmd_seq	C_FIS_S60
<B>	cmd_len	LC_FIS_S
<B>	cmd_seq	C_FIS_S61
<C>	cmd_len	LC_FIS_S
<C>	cmd_seq	C_FIS_S62
<D>	cmd_len	LC_FIS_S
<D>	cmd_seq	C_FIS_S63
<E>	cmd_len	LC_FIS_S
<E>	cmd_seq	C_FIS_S64
<F>	cmd_len	LC_FIS_S
<F>	cmd_seq	C_FIS_S65
<G>	cmd_len	LC_FIS_S
<G>	cmd_seq	C_FIS_S66
<H>	cmd_len	LC_FIS_S
<H>	cmd_seq	C_FIS_S67
<I>	cmd_len	LC_FIS_S
<I>	cmd_seq	C_FIS_S68
<J>	cmd_len	LC_FIS_S
<J>	cmd_seq	C_FIS_S69
<K>	cmd_len	LC_FIS_S
<K>	cmd_seq	C_FIS_S70
<L>	cmd_len	LC_FIS_S
<L>	cmd_seq	C_FIS_S71
<M>	cmd_len	LC_FIS_S
<M>	cmd_seq	C_FIS_S72
<N>	cmd_len	LC_FIS_S
<N>	cmd_seq	C_FIS_S73
<O>	cmd_len	LC_FIS_S74
<O>	cmd_seq	C_FIS_S74
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 04.11.99   DAK   Initial

4.8.7 ACIFD087: listing supported modes "+FIS=?"

Description:
          DCE capabilities parameter, listing of supported modes
Preamble:
          ACIFD004

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FIS_T
	cmd_seq	C_FIS_T
(2) ACI_CMD_IND		
	cmd_len	LM_FIS_T
	cmd_seq	M_FIS_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	04.11.99	DAK	Initial

4.9 FAX Transfer- Current session results +FCS

4.9.1 ACIFD091: testing initial settings "+FCS?"

Description:

Current session results, testing initial settings

Preamble:

ACIFD004

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT

| | cmd_len | LC_FCS_Q |
| | cmd_seq | C_FCS_Q |

(2) ACI_CMD_IND

| | cmd_len | LM_FCS_Q |
| | cmd_seq | M_FCS_Q0 |

(3) ACI_CMD_IND

| | cmd_len | LM_OK |
| | cmd_seq | M_OK |

History: 10.11.99   DAK   Initial

4.9.2 ACIFD092: setting +FIS und testing this setting "+FCS?"

Description:
        Current session results, testing special settings
Preamble:
        ACIFD081C

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FCS_Q
	cmd_seq	C_FCS_Q
(2) ACI_CMD_IND		
	cmd_len	LM_FCS_Q
	cmd_seq	M_FCS_Q1
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 10.11.99   DAK   Initial

4.10 FAX Transfer - Local ID string, TSI/CSI +FLI

4.10.1 ACIFD101: listing of supported characters "+FLI=?"

Description:
        current session parameter, list of supported char
Preamble:

ACIFD004

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLI_T
	cmd_seq	C_FLI_T
(2) ACI_CMD_IND		
	cmd_len	LM_FLI_T
	cmd_seq	M_FLI_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	11.11.99	DAK	Initial

4.10.2 ACIFD102: test of initial settings "+FLI?"

Description:
> current session parameter, test of initial settings

Preamble:
> ACIFD004

```
        APL                              ACI                              PS
         |                                |                                |
(1)      |          ACI_CMD_REQ           |                                |
         |          (cmd: +FLI?)          |                                |
         * ==========================> *                                  |
(2)      |          ACI_CMD_IND           |                                |
         |          (cmd: +FLI:"")        |                                |
         * <========================== *                                  |
(3)      |          ACI_CMD_IND           |                                |
         |          (msg: OK)             |                                |
         * <========================== *                                  |
         |                                |                                |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT

		cmd_len	LC_FLI_Q
		cmd_seq	C_FLI_Q
(2) ACI_CMD_IND			
		cmd_len	LM_FLI_Q0
		cmd_seq	M_FLI_Q0
(3) ACI_CMD_IND			
		cmd_len	LM_OK
		cmd_seq	M_OK

History: 11.11.99   DAK   Initial

4.10.3 ACIFD103: setting ID's an test whether they are setted "+FLI=..."

Description:

current session parameter, setting ids and test whether they are setted

Preamble:

ACIFD004

Variants:

<A>...<B>

```
        APL                        ACI                        PS
         |                          |                          |
(1)      |         ACI_CMD_REQ      |                          |
         |        (cmd: +FLI="...") |                          |
         * ========================> *                         |
(2)      |         ACI_CMD_IND      |                          |
         |          (msg: OK)       |                          |
         * <======================== *                         |
(3)      |         ACI_CMD_REQ      |                          |
         |          (cmd: +FLI?)    |                          |
         * ========================> *                         |
(4)      |         ACI_CMD_IND      |                          |
         |        (cmd: +FLI:"...") |                          |
         * <======================== *                         |
(5)      |         ACI_CMD_IND      |                          |
         |          (msg: OK)       |                          |
         * <======================== *                         |
         |                          |                          |
```

Parametrization:

Primitive		Parameter	Value
(1) ACI_CMD_REQ			
		cmd_src	CMD_SRC_EXT
	<A>	cmd_len	LC_FLI_S0
	<A>	cmd_seq	C_FLI_S0
	<B>	cmd_len	LC_FLI_S1
	<B>	cmd_seq	C_FLI_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_FLI_Q
		cmd_seq	C_FLI_Q

```
(4) ACI_CMD_IND
    <A>                                cmd_len                      LM_FLI_Q1
    <A>                                cmd_seq                      M_FLI_Q1
    <B>                                cmd_len                      LM_FLI_Q2
    <B>                                cmd_seq                      M_FLI_Q2

(5) ACI_CMD_IND
                                       cmd_len                      LM_OK
                                       cmd_seq                      M_OK
```

History: 11.11.99   DAK   Initial

4.10.4 ACIFD104: trying to set illegal ID's "+FLI=..."

Description:

    current session parameter, trying to set illegal ID

Preamble:

    ACIFD004

```
    APL                          ACI                            PS
     |                            |                              |
(1)  |        ACI_CMD_REQ         |                              |
     |       (cmd: +FLI="...")    |                              |
     * ==========================> *                             |
(2)  |        ACI_CMD_IND         |                              |
     |        (cmd: ERROR)        |                              |
     * <========================== *                             |
     |                            |                              |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLI_S9
	cmd_seq	C_FLI_S9
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 11.11.99   DAK   Initial

4.11 FAX Transfer- Local facimile station ID, CIG (local polling ID) +FPI

4.11.1 ACIFD111: listing of supported characters "+FPI=?"

Description:

    local polling ID, list of supported char

Preamble:

    ACIFD004

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FPI_T
	cmd_seq	C_FPI_T
(2) ACI_CMD_IND		
	cmd_len	LM_FPI_T
	cmd_seq	M_FPI_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	11.11.99	DAK	Initial

4.11.2 ACIFD112: test of initial settings "+FPI?"

Description:
        local polling ID, test of initial settings
Preamble:
        ACIFD004

```
        APL                              ACI                         PS
         |                                |                           |
(1)      |            ACI_CMD_REQ         |                           |
         |            (cmd: +FPI?)        |                           |
         * ========================>*                                 |
(2)      |            ACI_CMD_IND         |                           |
         |            (cmd: +FPI:"")      |                           |
         * <========================*                                 |
(3)      |            ACI_CMD_IND         |                           |
         |            (msg: OK)           |                           |
         * <========================*                                 |
         |                                |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FPI_Q
	cmd_seq	C_FPI_Q

(2) ACI_CMD_IND

| | cmd_len | LM_FPI_Q0 |
| | cmd_seq | M_FPI_Q0 |

(3) ACI_CMD_IND

| | cmd_len | LM_OK |
| | cmd_seq | M_OK |

History: 11.11.99   DAK   Initial

4.11.3 ACIFD113: setting ID's and test whether they are setted "+FPI=..."

Description:

local polling ID, setting ids and test whether they are setted

Preamble:

ACIFD004

Variants:

<A>...<B>

```
     APL                        ACI                        PS
      |                          |                          |
(1)   |        ACI_CMD_REQ       |                          |
      |      (cmd: +FPI="...")   |                          |
      * =========================> *                        |
(2)   |        ACI_CMD_IND       |                          |
      |         (msg: OK)        |                          |
      * <========================= *                        |
(3)   |        ACI_CMD_REQ       |                          |
      |        (cmd: +FPI?)      |                          |
      * =========================> *                        |
(4)   |        ACI_CMD_IND       |                          |
      |      (cmd: +FPI:"...")   |                          |
      * <========================= *                        |
(5)   |        ACI_CMD_IND       |                          |
      |         (msg: OK)        |                          |
      * <========================= *                        |
      |                          |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	LC_FPI_S0
<A>	cmd_seq	C_FPI_S0
<B>	cmd_len	LC_FPI_S1
<B>	cmd_seq	C_FPI_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_FPI_Q
	cmd_seq	C_FPI_Q
(4) ACI_CMD_IND		
<A>	cmd_len	LM_FPI_Q1
<A>	cmd_seq	M_FPI_Q1

TEXAS INSTRUMENTS

```
        <B>                                  cmd_len                      LM_FPI_Q2
        <B>                                  cmd_seq                      M_FPI_Q2
(5) ACI_CMD_IND
                                             cmd_len                      LM_OK
                                             cmd_seq                      M_OK


History:            11.11.99                 DAK                          Initial
```

4.11.4 ACIFD114: trying to set illegal ID's "+FPI=..."

Description:
    local polling ID, trying to set illegal ID
Preamble:
    ACIFD004

```
    APL                                 ACI                              PS
     |                                   |                               |
(1)  |            ACI_CMD_REQ            |                               |
     |           (cmd: +FPI="...")       |                               |
     * ============================> *                                   |
(2)  |            ACI_CMD_IND            |                               |
     |            (cmd: ERROR)           |                               |
     * <============================ *                                   |
     |                                   |                               |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FPI_S9
	cmd_seq	C_FPI_S9
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

```
History:            11.11.99                 DAK                          Initial
```

4.12 FAX Transfer- Pass-through non-standard negotiation byte string

4.12.1 ACIFD121: list maximal number of octets "+FNS=?"

Description:
    Pass-through non-standardd negotiation byte string, list of max # of octets
Preamble:
    ACIFD004

```
        APL                              ACI                          PS
         |                                |                            |
(1)      |          ACI_CMD_REQ           |                            |
         |          (cmd: +FNS=?)         |                            |
         * ========================>*                                 |
(2)      |          ACI_CMD_IND           |                            |
         |          (cmd: +FNS:35)        |                            |
         * <======================== *                                 |
(3)      |          ACI_CMD_IND           |                            |
         |            (msg: OK)           |                            |
         * <======================== *                                 |
         |                                |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FNS_T
	cmd_seq	C_FNS_T
(2) ACI_CMD_IND		
	cmd_len	LM_FNS_T
	cmd_seq	M_FNS_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	11.11.99	DAK	Initial

4.12.2 ACIFD122: test initial settings "+FNS?"

Description:

Pass-through non-standardd negotiation byte string, test initial settings

Preamble:

ACIFD004

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

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FNS_Q
	cmd_seq	C_FNS_Q

(2) ACI_CMD_IND

                                            cmd_len   LM_FNS_Q0

cmd_len LM_FNS_Q0
cmd_seq M_FNS_Q0

(3) ACI_CMD_IND

cmd_len LM_OK
cmd_seq M_OK

History: 11.11.99   DAK   Initial

4.12.3 ACIFD123: setting strings and test whether they are setted "+FNS..."

Description:

     Pass-through non-standardd negotiation byte string, Setting sting and test whether string was setted

Preamble:

     ACIFD004

Variants:

     <A>...<B>

```
      APL                        ACI                        PS
       |                          |                          |
(1)    |        ACI_CMD_REQ       |                          |
       |        (cmd: +FNS=..)    |                          |
       * ========================> *                         |
(2)    |        ACI_CMD_IND       |                          |
       |         (msg: OK)        |                          |
       * <======================== *                         |
(3)    |        ACI_CMD_REQ       |                          |
       |        (cmd: +FNS?)      |                          |
       * ========================> *                         |
(4)    |        ACI_CMD_IND       |                          |
       |       (cmd: +FNS:"")     |                          |
       * <======================== *                         |
(5)    |        ACI_CMD_IND       |                          |
       |         (msg: OK)        |                          |
       * <======================== *                         |
       |                          |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FNS_S0
<A>	cmd_seq	C_FNS_S0
<B>	cmd_seq	C_FNS_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_FNS_Q
	cmd_seq	C_FNS_Q
(4) ACI_CMD_IND		
<A>	cmd_len	LM_FNS_Q1
<A>	cmd_seq	M_FNS_Q1

TEXAS INSTRUMENTS

<B>	cmd_len	LM_FNS_Q1
<B>	cmd_seq	M_FNS_Q2
(5) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History:	11.11.99	DAK	Initial

4.12.4 ACIFD124: setting illegal octets "+FNS?"

Description:

Pass-through non-standardd negotiation byte string, trying to set illegal octets

Preamble:

ACIFD004

```
    APL                             ACI                         PS
     |                               |                           |
(51) |          ACI_CMD_REQ          |                           |
     |         (cmd: +FNS=...)        |                           |
     * ============================> *                           |
(53) |          ACI_CMD_IND          |                           |
     |         (cmd: ERROR)           |                           |
     * <============================ *                           |
     |                               |                           |
```
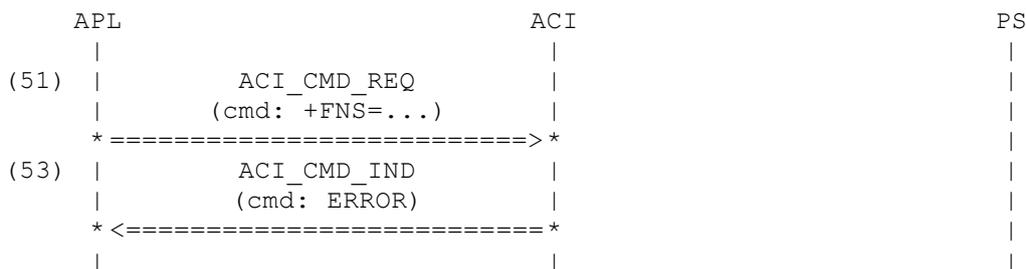
Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FNS_S9
	cmd_seq	C_FNS_S9
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History:	11.11.99	DAK	Initial

4.13 FAX Transfer- Indicate document available for polling +FLP

4.13.1 ACIFD131: list of supported modes "+FLP=?"

Description:

Indicate document available for polling, list of supported modes

Preamble:

ACIFD004

```
        APL                             ACI                          PS
         |                               |                           |
(51)     |         ACI_CMD_REQ           |                           |
         |         (cmd: +FLP=?)         |                           |
         * ============================> *                           |
(52)     |         ACI_CMD_IND           |                           |
         |        (cmd: +FLP: (0,1))     |                           |
         * <============================ *                           |
(53)     |         ACI_CMD_IND           |                           |
         |           (msg: OK)           |                           |
         * <============================ *                           |
         |                               |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLP_T
	cmd_seq	C_FLP_T
(2) ACI_CMD_IND		
	cmd_len	LM_FLP_T
	cmd_seq	M_FLP_T
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 11.11.99   DAK   Initial

4.13.2 ACIFD132: test initial settings "+FLP=?"

Description:

Indicate document available for polling, test initial settings

Preamble:

ACIFD004

```
        APL                             ACI                          PS
         |                               |                           |
(51)     |         ACI_CMD_REQ           |                           |
         |         (cmd: +FLP?)          |                           |
         * ============================> *                           |
(52)     |         ACI_CMD_IND           |                           |
         |         (cmd: +FLP:0)         |                           |
         * <============================ *                           |
(53)     |         ACI_CMD_IND           |                           |
         |           (msg: OK)           |                           |
         * <============================ *                           |
         |                               |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLP_Q
	cmd_seq	C_FLP_Q

```
(2) ACI_CMD_IND
                                    cmd_len                     LM_FLP_Q
                                    cmd_seq                     M_FLP_Q0

(3) ACI_CMD_IND
                                    cmd_len                     LM_OK
                                    cmd_seq                     M_OK
```

History: 11.11.99   DAK   Initial

4.13.3 ACIFD133: setting modes and test whether they are setted "+FLP=..."

Description:

    Indicate document available for polling, setting modes and test wheter they were setted

Preamble:

    ACIFD004

Variants:

    <A>...<B>

```
    APL                         ACI                         PS
     |                           |                           |
(51) |        ACI_CMD_REQ        |                           |
     |       (cmd: +FLP=...)     |                           |
     * ========================> *                           |
(53) |        ACI_CMD_IND        |                           |
     |         (msg: OK)         |                           |
     * <======================== *                           |
(51) |        ACI_CMD_REQ        |                           |
     |        (cmd: +FLP?)       |                           |
     * ========================> *                           |
(53) |        ACI_CMD_IND        |                           |
     |       (cmd: FLP:...)      |                           |
     * <======================== *                           |
(53) |        ACI_CMD_IND        |                           |
     |         (msg: OK)         |                           |
     * <======================== *                           |
     |                           |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLP_S
<A>	cmd_seq	C_FLP_S0
<B>	cmd_seq	C_FLP_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_FLP_Q
	cmd_seq	C_FLP_Q
(4) ACI_CMD_IND		
	cmd_len	LM_FLP_Q
<A>	cmd_seq	M_FLP_Q0
<B>	cmd_seq	M_FLP_Q1

(5) ACI_CMD_IND

cmd_len	LM_OK
cmd_seq	M_OK

History: 11.11.99 DAK Initial

4.13.4 ACIFD134: trying to set illegal modes "+FLP=2"

Description:

Indicate document available for polling, trying to set illegal mode

Preamble:

ACIFD004

```
     APL                             ACI                         PS
      |                               |                           |
(51)  |          ACI_CMD_REQ          |                           |
      |          (cmd: +FLP=2)        |                           |
      * ===========================> *                            |
(53)  |          ACI_CMD_IND          |                           |
      |          (cmd: ERROR)         |                           |
      * <=========================== *                            |
      |                               |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_FLP_S
	cmd_seq	C_FLP_S9
(2) ACI_CMD_IND		
	cmd_len	LM_ERROR
	cmd_seq	M_ERROR

History: 11.11.99 DAK Initial

4.14 Data Transfer

4.14.1 ACIFD141: MO Transparent Data Call with mobile hang-up

Description:

Mobile originated transparent data call establishment with mobile hang-up

Preamble:

```
          ACIFD001
     APL                              ACI                         PS
      |                                |                          |
(1)   |          ACI_CMD_REQ           |                          |
      |      (cmd: AT+FCLASS=0)         |                          |
      * ==========================> *                             |
(2)   |          ACI_CMD_IND           |                          |
      |          (msg: OK)             |                          |
      * <========================== *                             |
(3)   |          ACI_CMD_REQ           |                          |
      |      (cmd: AT+CBST=71,0,0)      |                          |
      * ==========================> *                             |
(4)   |                                |     MNCC_CONFIGURE_REQ    |
      |                                * ==========================> *
(5)   |          ACI_CMD_IND           |                          |
      |          (msg: OK)             |                          |
      * <========================== *                             |
(6)   |          ACI_CMD_REQ           |                          |
      |       (cmd: ATD123456)         |                          |
      * ==========================> *                             |
(7)   |                                |       MNCC_SETUP_REQ      |
      |                                * ==========================> *
(8)   |                                |    MNCC_CALL_PROCEED_IND  |
      |                                * <========================== *
(9)   |                                |      MNCC_PROGRESS_IND     |
      |                                * <========================== *
(10)  |                                |       MNCC_ALERT_IND      |
      |                                * <========================== *
(11)  |                                |       MNCC_SYNC_IND       |
      |                                * <========================== *
(12)  |                                |       MNCC_SETUP_CNF      |
      |                                * <========================== *
(13)  |                                |       SIM_SYNC_REQ        |
      |                                * ==========================> *
(14)  |                                |       RA_ACTIVATE_REQ     |
      |                                * ==========================> *
(15)  |                                |       RA_ACTIVATE_CNF     |
      |                                * <========================== *
(16)  |          ACI_CMD_IND           |                          |
      |       (msg: CONNECT)           |                          |
      * <========================== *                             |
(17)  |          ACI_CMD_REQ           |                          |
      |          (cmd: ATH)           |                          |
      * ==========================> *                             |
(18)  |                                |      RA_DEACTIVATE_REQ    |
      |                                * ==========================> *
(19)  |                                |      RA_DEACTIVATE_CNF    |
      |                                * <========================== *
(20)  |                                |       SIM_SYNC_REQ        |
      |                                * ==========================> *
```

```
(21)  |                              |    MNCC_DISCONNECT_REQ     |
      |                              | *==========================> *
(22)  |                              |    MNCC_RELEASE_IND        |
      |                              | *<========================= *
(23)  |           ACI_CMD_IND        |                            |
      |           (msg: OK)          |                            |
      | *<========================= *                            |
      |                              |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_FCLASS_0
	cmd_seq	C_PLUS_FCLASS_0
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CBST_96_ASY_TRA_UDI
	cmd_seq	C_PLUS_CBST_96_ASY_TRA_UDI
(4) MNCC_CONFIGURE_REQ		
	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(5) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(6) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_DAT
	cmd_seq	C_D_DAT
(7) MNCC_SETUP_REQ		
	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_TRA
	bcpara2	S_BS_NOT_PRESENT
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(8) MNCC_CALL_PROCEED_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_TRA
	bcpara2	S_BS_NOT_PRESENT
(9) MNCC_PROGRESS_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES

(10) MNCC_ALERT_IND

	ti	NUM_0
	progress_desc	PROG_NOT_PRES

(11) MNCC_SYNC_IND

	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600

(12) MNCC_SETUP_CNF

	ti	NUM_0
	res	RES_POS
	progress_desc	PROG_NOT_PRES
	connected_number	S_CLG_PARTY
	connected_number_sub	S_CLG_PARTY_SUB

(13) SIM_SYNC_REQ

	synccs	SYNC_START_CALL

(14) RA_ACTIVATE_REQ

	model	RA_MODEL_TRANS
	tra_rate	TRA_FULLRATE_9600
	user_rate	URA_9600
	ndb	NUM_8
	nsb	NUM_1
	bitorder	NUM_0

(15) RA_ACTIVATE_CNF

	ack_flg	RA_ACK

(16) ACI_CMD_IND

	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT

(17) ACI_CMD_REQ

	cmd_src	CMD_SRC_EXT
	cmd_len	LC_H
	cmd_seq	C_H

(18) RA_DEACTIVATE_REQ

(19) RA_DEACTIVATE_CNF

(20) SIM_SYNC_REQ

	synccs	SYNC_STOP_CALL

(21) MNCC_DISCONNECT_REQ

	ti	NUM_0
	cause	CAUSE_CALL_CLEAR

(22) MNCC_RELEASE_IND

	ti	NUM_0
	cause	CAUSE_CALL_CLEAR

(23) ACI_CMD_IND

	cmd_len	LM_OK
	cmd_seq	M_OK

History: 10.08.98   ACI   Initial

4.14.2 ACIFD142: MO Non-Transparent Data Call with network hang-up

Description:

Mobile originated non-transparent data call establishment with mobile hang-up

Preamble:

```
            ACIFD005
     APL                              ACI                              PS
      |                                |                                |
(1)   |          ACI_CMD_REQ           |                                |
      |      (cmd: AT+CBST=71,0,1)      |                                |
      * ===========================> *                                 |
(2)   |                                |       MNCC_CONFIGURE_REQ        |
      |                                * ===========================> * |
(3)   |          ACI_CMD_IND           |                                |
      |            (msg: OK)            |                                |
      * <=========================== *                                 |
(4)   |          ACI_CMD_REQ           |                                |
      |        (cmd: ATD123456)        |                                |
      * ===========================> *                                 |
(5)   |                                |         MNCC_SETUP_REQ          |
      |                                * ===========================> * |
(6)   |                                |      MNCC_CALL_PROCEED_IND      |
      |                                * <=========================== * |
(7)   |                                |        MNCC_PROGRESS_IND        |
      |                                * <=========================== * |
(8)   |                                |         MNCC_ALERT_IND          |
      |                                * <=========================== * |
(9)   |                                |         MNCC_SYNC_IND           |
      |                                * <=========================== * |
(10)  |                                |         MNCC_SETUP_CNF          |
      |                                * <=========================== * |
(11)  |                                |          SIM_SYNC_REQ           |
      |                                * ===========================> * |
(12)  |                                |         RA_ACTIVATE_REQ         |
      |                                * ===========================> * |
(13)  |                                |         RA_ACTIVATE_CNF         |
      |                                * <=========================== * |
(14)  |                                |        L2R_ACTIVATE_REQ         |
      |                                * ===========================> * |
(15)  |                                |        L2R_ACTIVATE_CNF         |
      |                                * <=========================== * |
(16)  |                                |         L2R_CONNECT_REQ         |
      |                                * ===========================> * |
(17)  |                                |         L2R_CONNECT_CNF         |
      |                                * <=========================== * |
(18)  |          ACI_CMD_IND           |                                |
      |         (msg: CONNECT)          |                                |
      * <=========================== *                                 |
(19)  |                                |           L2R_DTI_REQ           |
      |                                * ===========================> * |
(20)  |                                |           L2R_DTI_CNF           |
      |                                * <=========================== * |
(21)  |                                |       MNCC_DISCONNECT_IND       |
      |                                * <=========================== * |
(22)  |                                |          SIM_SYNC_REQ           |
      |                                * ===========================> * |
```

TEXAS INSTRUMENTS

```
(23)  |                              |              L2R_DTI_REQ           |
      |                              * =============================> *
(24)  |                              |              L2R_DTI_CNF           |
      |                              * <============================= *
(25)  |                              |          L2R_DEACTIVATE_REQ        |
      |                              * =============================> *
(26)  |                              |          L2R_DEACTIVATE_CNF        |
      |                              * <============================= *
(27)  |                              |           RA_DEACTIVATE_REQ        |
      |                              * =============================> *
(28)  |                              |           RA_DEACTIVATE_CNF        |
      |                              * <============================= *
(29)  |          ACI_CMD_IND         |                                   |
      |        (msg: NO CARRIER)     |                                   |
      * <============================= *                                 |
      |                              |                                   |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	
	LC_PLUS_CBST_96_ASY_NTRA_UDI		
	cmd_seq	
	C_PLUS_CBST_96_ASY_NTRA_UDI		
(2) MNCC_CONFIGURE_REQ		
	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(4) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_DAT
	cmd_seq	C_D_DAT
(5) MNCC_SETUP_REQ		
	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(6) MNCC_CALL_PROCEED_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
(7) MNCC_PROGRESS_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES

TEXAS INSTRUMENTS

(8) MNCC_ALERT_IND

ti	NUM_0
progress_desc	PROG_NOT_PRES

(9) MNCC_SYNC_IND

ti	NOT_PRESENT_8BIT
cause	CAUSE_NOT_PRES
chm	S_CHN_FULL_9600

(10) MNCC_SETUP_CNF

ti	NUM_0
res	RES_POS
progress_desc	PROG_NOT_PRES
connected_number	S_CLG_PARTY
connected_number_sub	S_CLG_PARTY_SUB

(11) SIM_SYNC_REQ

synccs	SYNC_START_CALL

(12) RA_ACTIVATE_REQ

model	RA_MODEL_RLP
tra_rate	TRA_FULLRATE_9600
user_rate	URA_9600
ndb	NUM_8
nsb	NUM_1
bitorder	NUM_0

(13) RA_ACTIVATE_CNF

ack_flg	RA_ACK

(14) L2R_ACTIVATE_REQ

k_ms_iwf	K_MS_IWF
k_iwf_ms	K_IWF_MS
t1	T1
t2	T2
n2	N2
pt	PT
p0	P0
p1	P1
p2	P2
uil2p	L2R_ISO6429
bytes_per_prim	NOT_USED
buffer_size	NOT_USED
rate	NOT_USED

(15) L2R_ACTIVATE_CNF

ack_flg	L2R_ACK

(16) L2R_CONNECT_REQ

(17) L2R_CONNECT_CNF

ack_flg	L2R_ACK

(18) ACI_CMD_IND

cmd_len	LM_CONNECT
cmd_seq	M_CONNECT

(19) L2R_DTI_REQ

dti_conn	L2R_CONNECT_DTI
tui	L2R_TUI
entity_name	L2R_UL_NAME
ul_tui	UART_TUI
c_id	L2R_DTI_C_ID
dti_direction	L2R_DTI_INVERTED

TEXAS INSTRUMENTS

(20) L2R_DTI_CNF

	dti_conn	L2R_CONNECT_DTI
	c_id	L2R_DTI_C_ID

(21) MNCC_DISCONNECT_IND

	ti	NUM_0
	cause	CAUSE_CALL_CLEAR
	diagnostic	NOT_PRESENT_8BIT
	progress_desc	PROG_NOT_PRES

(22) SIM_SYNC_REQ

	synccs	SYNC_STOP_CALL

(23) L2R_DTI_REQ

	dti_conn	L2R_DISCONNECT_DTI
	tui	NOT_USED
	entity_name	NOT_USED
	ul_tui	NOT_USED
	c_id	L2R_DTI_C_ID
	dti_direction	NOT_USED

(24) L2R_DTI_CNF

	dti_conn	L2R_DISCONNECT_DTI
	c_id	L2R_DTI_C_ID

(25) L2R_DEACTIVATE_REQ

(26) L2R_DEACTIVATE_CNF

(27) RA_DEACTIVATE_REQ

(28) RA_DEACTIVATE_CNF

(29) ACI_CMD_IND

	cmd_len	LM_NO_CARRIER
	cmd_seq	M_NO_CARRIER

History: 10.08.98   ACI   Initial

TEXAS INSTRUMENTS

4.14.3 ACIFD143: MO Non-Transparent Data Call with abort

Description:

Mobile originated non-transparent data call establishment with mobile hang-up

Preamble:

```
            ACIFD005
       APL                        ACI                       PS
        |                          |                         |
(1)     |        ACI_CMD_REQ       |                         |
        |   (cmd: AT+CBST=71,0,1)  |                         |
        * ========================> *                        |
(2)     |                          |    MNCC_CONFIGURE_REQ    |
        |                          * ======================> *
(3)     |        ACI_CMD_IND       |                         |
        |         (msg: OK)        |                         |
        * <======================= *                         |
(4)     |        ACI_CMD_REQ       |                         |
        |       (cmd: ATD123456)   |                         |
        * ========================> *                        |
(5)     |                          |     MNCC_SETUP_REQ      |
        |                          * ======================> *
(6)     |                          |  MNCC_CALL_PROCEED_IND  |
        |                          * <===================== *
(7)     |                          |    MNCC_PROGRESS_IND    |
        |                          * <===================== *
(8)     |                          |     MNCC_ALERT_IND      |
        |                          * <===================== *
(9)     |                          |      MNCC_SYNC_IND      |
        |                          * <===================== *
(10)    |                          |     MNCC_SETUP_CNF      |
        |                          * <===================== *
(11)    |                          |      SIM_SYNC_REQ       |
        |                          * ======================> *
(12)    |                          |     RA_ACTIVATE_REQ     |
        |                          * ======================> *
(13)    |                          |     RA_ACTIVATE_CNF     |
        |                          * <===================== *
(14)    |                          |    L2R_ACTIVATE_REQ     |
        |                          * ======================> *
(15)    |                          |    L2R_ACTIVATE_CNF     |
        |                          * <===================== *
(16)    |                          |     L2R_CONNECT_REQ     |
        |                          * ======================> *
(17)    |                          |     L2R_CONNECT_CNF     |
        |                          * <===================== *
(18)    |        ACI_CMD_IND       |                         |
        |      (msg: CONNECT)      |                         |
        * <======================= *                         |
(19)    |                          |       L2R_DTI_REQ       |
        |                          * ======================> *
(20)    |                          |       L2R_DTI_CNF       |
        |                          * <===================== *
(21)    |                          |   MNCC_DISCONNECT_IND   |
        |                          * <===================== *
(22)    |                          |      SIM_SYNC_REQ       |
        |                          * ======================> *
(23)    |                          |       L2R_DTI_REQ       |
        |                          * ======================> *
```

```
(24)  |                                 |          L2R_DTI_CNF          |
      |                                 * <=========================== *
(25)  |                                 |      L2R_DEACTIVATE_REQ       |
      |                                 * ===========================> *
(26)  |                                 |      L2R_DEACTIVATE_CNF       |
      |                                 * <=========================== *
(27)  |                                 |        RA_DEACTIVATE_REQ      |
      |                                 * ===========================> *
(28)  |                                 |        RA_DEACTIVATE_CNF      |
      |                                 * <=========================== *
(29)  |            ACI_CMD_IND           |                              |
      |         (msg: NO CARRIER)        |                              |
      * <============================== *                              |
      |                                 |                              |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	
	LC_PLUS_CBST_96_ASY_NTRA_UDI	
	cmd_seq	
	C_PLUS_CBST_96_ASY_NTRA_UDI	
(2) MNCC_CONFIGURE_REQ		
	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(3) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(4) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_DAT
	cmd_seq	C_D_DAT
(5) MNCC_SETUP_REQ		
	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(6) MNCC_CALL_PROCEED_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
(7) MNCC_PROGRESS_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES

(8)   MNCC_ALERT_IND

ti	NUM_0
progress_desc	PROG_NOT_PRES

(9)   MNCC_SYNC_IND

ti	NOT_PRESENT_8BIT
cause	CAUSE_NOT_PRES
chm	S_CHN_FULL_9600

(10) MNCC_SETUP_CNF

ti	NUM_0
res	RES_POS
progress_desc	PROG_NOT_PRES
connected_number	S_CLG_PARTY
connected_number_sub	S_CLG_PARTY_SUB

(11) SIM_SYNC_REQ

synccs	SYNC_START_CALL

(12) RA_ACTIVATE_REQ

model	RA_MODEL_RLP
tra_rate	TRA_FULLRATE_9600
user_rate	URA_9600
ndb	NUM_8
nsb	NUM_1
bitorder	NUM_0

(13) RA_ACTIVATE_CNF

ack_flg	RA_ACK

(14) L2R_ACTIVATE_REQ

k_ms_iwf	K_MS_IWF
k_iwf_ms	K_IWF_MS
t1	T1
t2	T2
n2	N2
pt	PT
p0	P0
p1	P1
p2	P2
uil2p	L2R_ISO6429
bytes_per_prim	NOT_USED
buffer_size	NOT_USED
rate	NOT_USED

(15) L2R_ACTIVATE_CNF

ack_flg	L2R_ACK

(16) L2R_CONNECT_REQ

(17) L2R_CONNECT_CNF

ack_flg	L2R_ACK

(18) ACI_CMD_IND

cmd_len	LM_CONNECT
cmd_seq	M_CONNECT

(19) L2R_DTI_REQ

dti_conn	L2R_CONNECT_DTI
tui	L2R_TUI
entity_name	L2R_UL_NAME
ul_tui	UART_TUI
c_id	L2R_DTI_C_ID
dti_direction	L2R_DTI_INVERTED

TEXAS INSTRUMENTS

(20) L2R_DTI_CNF

    dti_conn   L2R_CONNECT_DTI
    c_id   L2R_DTI_C_ID

(21) MNCC_DISCONNECT_IND

    ti   NUM_0
    cause   CAUSE_CALL_CLEAR
    diagnostic   NOT_PRESENT_8BIT
    progress_desc   PROG_NOT_PRES

(22) SIM_SYNC_REQ

    synccs   SYNC_STOP_CALL

(23) L2R_DTI_REQ

    dti_conn   L2R_DISCONNECT_DTI
    tui   NOT_USED
    entity_name   NOT_USED
    ul_tui   NOT_USED
    c_id   L2R_DTI_C_ID
    dti_direction   NOT_USED

(24) L2R_DTI_CNF

    dti_conn   L2R_DISCONNECT_DTI
    c_id   L2R_DTI_C_ID

(25) L2R_DEACTIVATE_REQ

(26) L2R_DEACTIVATE_CNF

(27) RA_DEACTIVATE_REQ

(28) RA_DEACTIVATE_CNF

(29) ACI_CMD_IND

    cmd_len   LM_NO_CARRIER
    cmd_seq   M_NO_CARRIER

History: 10.08.98   ACI   Initial

4.14.4 ACIFD145: MO Non-Transparent Data Call with abort during setup phase

Description:

Mobile originated non-transparent data call establishment with mobile hang-up inbetween

Preamble:

ACIFD005

```
        APL                              ACI                          PS
         |                                |                           |
(30)     |          ACI_CMD_REQ           |                           |
         |      (cmd: AT+CBST=7,0,1)      |                           |
         * ===========================> *                            |
(31)     |                                |    MNCC_CONFIGURE_REQ     |
         |                                * ==========================> *
(32)     |          ACI_CMD_IND           |                           |
         |           (msg: OK)            |                           |
         * <=========================== *                            |
(33)     |          ACI_CMD_REQ           |                           |
         |        (cmd: ATD123456)        |                           |
         * ===========================> *                            |
(34)     |                                |      MNCC_SETUP_REQ       |
         |                                * ==========================> *
(35)     |                                |   MNCC_CALL_PROCEED_IND   |
         |                                * <========================== *
(36)     |                                |     MNCC_PROGRESS_IND     |
         |                                * <========================== *
(37)     |                                |      MNCC_ALERT_IND       |
         |                                * <========================== *
(38)     |                                |      MNCC_SYNC_IND        |
         |                                * <========================== *
(39)     |                                |      MNCC_SETUP_CNF       |
         |                                * <========================== *
(40)     |                                |       SIM_SYNC_REQ        |
         |                                * ==========================> *
(41)     |                                |      RA_ACTIVATE_REQ      |
         |                                * ==========================> *
(42)     |                                |      RA_ACTIVATE_CNF      |
         |                                * <========================== *
(43)     |                                |     L2R_ACTIVATE_REQ      |
         |                                * ==========================> *
(44)     |                                |     L2R_ACTIVATE_CNF      |
         |                                * <========================== *
(45)     |                                |     L2R_CONNECT_REQ       |
         |                                * ==========================> *
(46)     |         ACI_ABORT_REQ          |                           |
         * ===========================> *                            |
(47)     |                                |   MNCC_DISCONNECT_REQ     |
         |                                * ==========================> *
(48)     |                                |    MNCC_RELEASE_IND       |
         |                                * <========================== *
         |                                |                           |
```

Parametrization:

Primitive	Parameter	Value
(30) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	
	LC_PLUS_CBST_96_ASY_NTRA_UDI	

	cmd_seq	C_PLUS_CBST_96_ASY_NTRA_UDI
(31) MNCC_CONFIGURE_REQ		
	called_party_sub	NOT_USED
	bcpara	NOT_USED
	sns_mode	NOT_USED
(32) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(33) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_DAT
	cmd_seq	C_D_DAT
(34) MNCC_SETUP_REQ		
	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(35) MNCC_CALL_PROCEED_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	NOT_PRESENT_8BIT
	bcpara	S_BS_DAT_9600_ASY_NTRA
	bcpara2	S_BS_NOT_PRESENT
(36) MNCC_PROGRESS_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(37) MNCC_ALERT_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(38) MNCC_SYNC_IND		
	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600
(39) MNCC_SETUP_CNF		
	ti	NUM_0
	res	RES_POS
	progress_desc	PROG_NOT_PRES
	connected_number	S_CLG_PARTY
	connected_number_sub	S_CLG_PARTY_SUB
(40) SIM_SYNC_REQ		
	synccs	SYNC_START_CALL
(41) RA_ACTIVATE_REQ		
	model	RA_MODEL_RLP
	tra_rate	TRA_FULLRATE_9600
	user_rate	URA_9600
	ndb	NUM_8
	nsb	NUM_1
	bitorder	NUM_0

(42) RA_ACTIVATE_CNF

       ack_flg   RA_ACK

(43) L2R_ACTIVATE_REQ

k_ms_iwf	K_MS_IWF
k_iwf_ms	K_IWF_MS
t1	T1
t2	T2
n2	N2
pt	PT
p0	P0
p1	P1
p2	P2
uil2p	L2R_ISO6429
bytes_per_prim	NOT_USED
buffer_size	NOT_USED
rate	NOT_USED

(44) L2R_ACTIVATE_CNF

       ack_flg   L2R_ACK

(45) L2R_CONNECT_REQ

(1) ACI_ABORT_REQ

cmd_src	CMD_SRC_EXT
cause	ABT_ABORT_CMD

(2) MNCC_DISCONNECT_REQ

ti	NUM_0
cause	CAUSE_CALL_CLEAR

(3) MNCC_RELEASE_IND

ti	NUM_0
cause	CAUSE_CALL_CLEAR

History: 07.11.01   SLO   Initial

4.15 Data Call Management

4.15.1 ACIFD151: Alternating Voice/Transparent Data Call

Description:
       Mobile originated alternating voice/transparent data call establishment

Preamble:
       ACIFD001
Variants: <A>....<C>

```
          APL                         ACI                           PS
           |                           |                             |
 (1)       |       ACI_CMD_REQ         |                             |
           |    (cmd: AT+CMOD=2)       |                             |
           * ========================> *                             |
 (2)       |       ACI_CMD_IND         |                             |
           |        (msg: OK)          |                             |
           * <======================== *                             |
 (3)       |       ACI_CMD_REQ         |                             |
           |   (cmd: AT+CBST=x,y,z)    |                             |
           * ========================> *                             |
 (4)       |                           |       MNCC_CONFIGURE_REQ     |
           |                           * ==========================> *
 (5)       |       ACI_CMD_IND         |                             |
           |        (msg: OK)          |                             |
           * <======================== *                             |
 (7)       |       ACI_CMD_REQ         |                             |
           |     (cmd: ATD123456;)     |                             |
           * ========================> *                             |
 (8)       |                           |        MNCC_SETUP_REQ        |
           |                           * ==========================> *
 (9)       |                           |         SIM_SYNC_REQ         |
           |                           * ==========================> *
 (10)      |                           |     MNCC_CALL_PROCEED_IND    |
           |                           * <========================== *
 (11)      |                           |       MNCC_PROGRESS_IND      |
           |                           * <========================== *
 (12)      |                           |        MNCC_ALERT_IND        |
           |                           * <========================== *
 (13)      |                           |         MNCC_SYNC_IND        |
           |                           * <========================== *
 (14)      |                           |        MNCC_SETUP_CNF        |
           |                           * <========================== *
 (15)      |       ACI_CMD_IND         |                             |
           |        (msg: OK)          |                             |
           * <======================== *                             |
           |                           |                             |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CMOD_ALT_DAT
	cmd_seq	C_PLUS_CMOD_ALT_DAT
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
<A>	cmd_len	
	LC_PLUS_CBST_96_ASY_TRA_UDI	
<B>	cmd_len	
	LC_PLUS_CBST_14400_ASY_BTP	
<C>	cmd_len	
	LC_PLUS_CBST_14400_ASY_TRA_V34	
<A>	cmd_seq	
	C_PLUS_CBST_96_ASY_TRA_UDI	

<B>	cmd_seq	
	C_PLUS_CBST_14400_ASY_BTP	
<C>	cmd_seq	
	C_PLUS_CBST_14400_ASY_TRA_V34	

(4) MNCC_CONFIGURE_REQ

	called_party_sub	NOT_USED
<A>	bcpara	S_BS_DAT_9600_ASY_TRA
<B>	bcpara	S_BS_DAT_14400_ASY_BTP
<C>	bcpara	
	S_BS_DAT_14400_ASY_TRA_V34	
	sns_mode	SNS_MODE_VOICE

(5) ACI_CMD_IND

	cmd_len	LM_OK
	cmd_seq	M_OK

(6) ACI_CMD_REQ

	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_VOICE
	cmd_seq	C_D_VOICE

(7) MNCC_SETUP_REQ

	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	RI_CIRCULAR
	bcpara	S_BS_VOICE
<A>	bcpara2	S_BS_DAT_9600_ASY_TRA
<B>	bcpara2	S_BS_DAT_14400_ASY_BTP
<C>	bcpara2	
	S_BS_DAT_14400_ASY_TRA_V34	
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED

(8) SIM_SYNC_REQ

	synccs	SYNC_START_CALL

(9) MNCC_CALL_PROCEED_IND

	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	RI_CIRCULAR
	bcpara	S_BS_VOICE
<A>	bcpara2	S_BS_DAT_9600_ASY_TRA
<B>	bcpara2	S_BS_DAT_14400_ASY_BTP
<C>	bcpara2	
	S_BS_DAT_14400_ASY_TRA_V34	

(10) MNCC_PROGRESS_IND

	ti	NUM_0
	progress_desc	PROG_NOT_PRES

(11) MNCC_ALERT_IND

	ti	NUM_0
	progress_desc	PROG_NOT_PRES

(12) MNCC_SYNC_IND

	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_SPEECH

(13) MNCC_SETUP_CNF

	ti	NUM_0

```
                                    res                         RES_POS
                                    progress_desc               PROG_NOT_PRES
                                    connected_number            S_CLG_PARTY
                                    connected_number_sub        S_CLG_PARTY_SUB

(14) ACI_CMD_IND

                                    cmd_len                     LM_OK
                                    cmd_seq                     M_OK
```

History: 23.12.98   AK   Initial

4.15.2 ACIFD152: Alternating Transparent Data Call / Voice

Description:

   Mobile originated alternating transparent data call / voice establishment

Preamble:

   ACIFD001

```
     APL                              ACI                        PS
      |                                |                          |
(1)   |         ACI_CMD_REQ            |                          |
      |        (cmd: AT+CMOD=2)        |                          |
      * =========================> *                              |
(2)   |         ACI_CMD_IND           |                          |
      |           (msg: OK)           |                          |
      * <========================= *                              |
(3)   |         ACI_CMD_REQ           |                          |
      |      (cmd: AT+CBST=71,0,0)     |                          |
      * =========================> *                              |
(5)   |                                |     MNCC_CONFIGURE_REQ    |
      |                                * =========================> *
(6)   |         ACI_CMD_IND           |                          |
      |           (msg: OK)           |                          |
      * <========================= *                              |
(7)   |         ACI_CMD_REQ           |                          |
      |        (cmd: ATD123456)       |                          |
      * =========================> *                              |
(8)   |                                |       MNCC_SETUP_REQ      |
      |                                * =========================> *
(9)   |                                |        SIM_SYNC_REQ       |
      |                                * =========================> *
(10)  |                                |    MNCC_CALL_PROCEED_IND  |
      |                                * <========================= *
(11)  |                                |      MNCC_PROGRESS_IND    |
      |                                * <========================= *
(12)  |                                |       MNCC_ALERT_IND      |
      |                                * <========================= *
(13)  |                                |       MNCC_SYNC_IND       |
      |                                * <========================= *
(14)  |                                |       MNCC_SETUP_CNF      |
      |                                * <========================= *
(15)  |                                |      RA_ACTIVATE_REQ      |
      |                                * =========================> *
(16)  |                                |      RA_ACTIVATE_CNF      |
      |                                * <========================= *
(17)  |         ACI_CMD_IND           |                          |
      |         (msg: CONNECT)        |                          |
      * <========================= *                              |
      |                                |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CMOD_ALT_DAT
	cmd_seq	C_PLUS_CMOD_ALT_DAT
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(3) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	
	LC_PLUS_CBST_96_ASY_TRA_UDI	
	cmd_seq	
	C_PLUS_CBST_96_ASY_TRA_UDI	
(4) MNCC_CONFIGURE_REQ		
	called_party_sub	NOT_USED
	bcpara	S_BS_DAT_9600_ASY_TRA
	sns_mode	SNS_MODE_VOICE
(5) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK
(6) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_DAT
	cmd_seq	C_D_DAT
(7) MNCC_SETUP_REQ		
	ti	NUM_0
	prio	PRIO_NORM_CALL
	ri	RI_CIRCULAR
	bcpara	S_BS_DAT_9600_ASY_TRA
	bcpara2	S_BS_VOICE
	called_party	S_CLD_PARTY
	called_party_sub	S_CLD_PARTY_SUB
	clir_sup	NOT_PRESENT_8BIT
	fac_inf	NOT_USED
(8) SIM_SYNC_REQ		
	synccs	SYNC_START_CALL
(9) MNCC_CALL_PROCEED_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
	ri	RI_CIRCULAR
	bcpara	S_BS_DAT_9600_ASY_TRA
	bcpara2	S_BS_VOICE
(10) MNCC_PROGRESS_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(11) MNCC_ALERT_IND		
	ti	NUM_0
	progress_desc	PROG_NOT_PRES
(12) MNCC_SYNC_IND		
	ti	NOT_PRESENT_8BIT

TEXAS INSTRUMENTS

	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600

(13) MNCC_SETUP_CNF

	ti	NUM_0
	res	RES_POS
	progress_desc	PROG_NOT_PRES
	connected_number	S_CLG_PARTY
	connected_number_sub	S_CLG_PARTY_SUB

(14) RA_ACTIVATE_REQ

	model	RA_MODEL_TRANS
	tra_rate	TRA_FULLRATE_9600
	user_rate	URA_9600
	ndb	NUM_8
	nsb	NUM_1
	bitorder	NUM_0

(15) RA_ACTIVATE_CNF

	ack_flg	RA_ACK

(16) ACI_CMD_IND

	cmd_len	LM_CONNECT
	cmd_seq	M_CONNECT

History: 23.12.98   AK   Initial

4.15.3 ACIFD153: MOC Modification Voice -> Transparent Data

Description:

Mobile criginated call modification of a voice call into a transparent data call

Preamble:

ACIFD151A

```
    APL                             ACI                        PS
     |                               |                          |
(1)  |        ACI_CMD_REQ            |                          |
     |         (cmd: ATD)            |                          |
     * ===========================> *                           |
(2)  |                               |      MNCC_MODIFY_REQ      |
     |                               * ========================> *
(3)  |                               |      MNCC_SYNC_IND        |
     |                               * <======================== *
(4)  |                               |      MNCC_MODIFY_CNF      |
     |                               * <======================== *
(5)  |                               |      RA_ACTIVATE_REQ      |
     |                               * ========================> *
(6)  |                               |      RA_ACTIVATE_CNF      |
     |                               * <======================== *
(7)  |        ACI_CMD_IND            |                          |
     |       (msg: CONNECT)          |                          |
     * <=========================== *                           |
     |                               |                          |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_MDF
	cmd_seq	C_D_MDF

TEXAS INSTRUMENTS

(2) MNCC_MODIFY_REQ

ti	NUM_0
serv	SERV_DATA

(3) MNCC_SYNC_IND

ti	NOT_PRESENT_8BIT
cause	CAUSE_NOT_PRES
chm	S_CHN_FULL_9600

(4) MNCC_MODIFY_CNF

ti	NUM_0
res	RES_POS

(5) RA_ACTIVATE_REQ

model	RA_MODEL_TRANS
tra_rate	TRA_FULLRATE_9600
user_rate	URA_9600
ndb	NUM_8
nsb	NUM_1
bitorder	NUM_0

(6) RA_ACTIVATE_CNF

ack_flg	RA_ACK

(7) ACI_CMD_IND

cmd_len	LM_CONNECT
cmd_seq	M_CONNECT

History: 23.12.98   AK   Initial

4.15.4 ACIFD154: Alternating Voice/Transparent FAX Call

Description:
>   Mobile originated alternating voice/transparent fax call establishm ent

Preamble:
```
            ACIFD001
      APL                             ACI                         PS
       |                               |                           |
(1)    |           ACI_CMD_REQ         |                           |
       |          (cmd: AT+CMOD=1)     |                           |
       * =========================> *                              |
(2)    |           ACI_CMD_IND         |                           |
       |            (msg: OK)          |                           |
       * <========================= *                              |
(3)    |           ACI_CMD_REQ         |                           |
       |        (cmd: AT+CBST=71,0,0)  |                           |
       * =========================> *                              |
(4)    |                               |    MNCC_CONFIGURE_REQ     |
       |                               * =========================> *
(5)    |           ACI_CMD_IND         |                           |
       |            (msg: OK)          |                           |
       * <========================= *                              |
(6)    |           ACI_CMD_REQ         |                           |
       |          (cmd: ATD123456;)    |                           |
       * =========================> *                              |
(7)    |                               |      MNCC_SETUP_REQ       |
       |                               * =========================> *
(8)    |                               |       SIM_SYNC_REQ        |
       |                               * =========================> *
(9)    |                               |    MNCC_CALL_PROCEED_IND  |
       |                               * <========================= *
(10)   |                               |     MNCC_PROGRESS_IND     |
       |                               * <========================= *
(11)   |                               |      MNCC_ALERT_IND       |
       |                               * <========================= *
(12)   |                               |      MNCC_SYNC_IND        |
       |                               * <========================= *
(13)   |                               |      MNCC_SETUP_CNF       |
       |                               * <========================= *
(14)   |           ACI_CMD_IND         |                           |
       |            (msg: OK)          |                           |
       * <========================= *                              |
       |                               |                           |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_PLUS_CMOD_FAX
	cmd_seq	C_PLUS_CMOD_FAX
(2) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

(3) ACI_CMD_REQ

          cmd_src   CMD_SRC_EXT

          cmd_len

          LC_PLUS_CBST_96_ASY_TRA_UDI

          cmd_seq

          C_PLUS_CBST_96_ASY_TRA_UDI

(4) MNCC_CONFIGURE_REQ

          called_party_sub   NOT_USED

          bcpara   S_BS_DAT_9600_ASY_TRA

          sns_mode   SNS_MODE_VOICE

(5) ACI_CMD_IND

          cmd_len   LM_OK

          cmd_seq   M_OK

(6) ACI_CMD_REQ

          cmd_src   CMD_SRC_EXT

          cmd_len   LC_D_VOICE

          cmd_seq   C_D_VOICE

(7) MNCC_SETUP_REQ

          ti   NUM_0

          prio   PRIO_NORM_CALL

          ri   RI_CIRCULAR

          bcpara   S_BS_VOICE

          bcpara2   S_BS_FAX

          called_party   S_CLD_PARTY

          called_party_sub   S_CLD_PARTY_SUB

          clir_sup   NOT_PRESENT_8BIT

          fac_inf   NOT_USED

(8) SIM_SYNC_REQ

          synccs   SYNC_START_CALL

(9) MNCC_CALL_PROCEED_IND

          ti   NUM_0

          progress_desc   PROG_NOT_PRES

          ri   RI_CIRCULAR

          bcpara   S_BS_VOICE

          bcpara2   S_BS_FAX

(10) MNCC_PROGRESS_IND

          ti   NUM_0

          progress_desc   PROG_NOT_PRES

(11) MNCC_ALERT_IND

          ti   NUM_0

          progress_desc   PROG_NOT_PRES

(12) MNCC_SYNC_IND

          ti   NOT_PRESENT_8BIT

          cause   CAUSE_NOT_PRES

          chm   S_CHN_SPEECH

(13) MNCC_SETUP_CNF

          ti   NUM_0

          res   RES_POS

          progress_desc   PROG_NOT_PRES

          connected_number   S_CLG_PARTY

          connected_number_sub   S_CLG_PARTY_SUB

(14) ACI_CMD_IND

          cmd_len   LM_OK

          cmd_seq   M_OK

History: 23.12.98   AK   Initial

4.15.5 ACIFD155: MOC Modification Voice -> Transparent FAX

Description:

Mobile originated call modification of a voice call into a transparent FAX call

Preamble:

ACIFD154

```
         APL                          ACI                          PS
          |                            |                            |
(1)       |        ACI_CMD_REQ         |                            |
          |         (cmd: ATD)         |                            |
          * ==========================> *                            |
(2)       |                            |        MNCC_MODIFY_REQ      |
          |                            * ==========================> *
(3)       |                            |        MNCC_SYNC_IND        |
          |                            * <========================== *
(4)       |                            |        MNCC_MODIFY_CNF      |
          |                            * <========================== *
(5)       |                            |        RA_ACTIVATE_REQ      |
          |                            * ==========================> *
(6)       |                            |        RA_ACTIVATE_CNF      |
          |                            * <========================== *
(7)       |                            |        T30_ACTIVATE_REQ     |
          |                            * ==========================> *
(8)       |                            |        T30_ACTIVATE_CNF     |
          |                            * <========================== *
(9)       |                            |        T30_CONFIG_REQ       |
          |                            * ==========================> *
(10)      |                            |        T30_CAP_IND          |
          |                            * <========================== *
(11)      |        ACI_CMD_IND         |                            |
          |         (msg: OK)          |                            |
          * <========================== *                            |
          |                            |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_D_MDF
	cmd_seq	C_D_MDF
(2) MNCC_MODIFY_REQ		
	ti	NUM_0
	serv	SERV_DATA
(3) MNCC_SYNC_IND		
	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_FULL_9600
(4) MNCC_MODIFY_CNF		
	ti	NUM_0
	res	RES_POS
(5) RA_ACTIVATE_REQ		
	model	RA_MODEL_FAX
	tra_rate	TRA_FULLRATE_9600

![Texas Instruments logo]

	user_rate	URA_9600
	ndb	NUM_8
	nsb	NUM_1
	bitorder	NUM_0

(6) RA_ACTIVATE_CNF

	ack_flg	RA_ACK

(7) T30_ACTIVATE_REQ

	trans_rate	NUM_9600
	half_rate	NUM_0
	threshold	NUM_DEC_90
	frames_per_prim	NUM_3
	bitorder	NUM_0

(8) T30_ACTIVATE_CNF

	buf_size_rx	NUM_4800
	buf_size_tx	NUM_4800

(9) T30_CONFIG_REQ

	hdlc_report	NUM_1
	test_mode	NOT_USED

(10) T30_CAP_IND

	hdlc_info	S_HDLC_DIS

(11) ACI_CMD_IND

|	cmd_len	LM_OK
	cmd_seq	M_OK

History: 23.12.98   AK   Initial

4.15.6 ACIFD156: MOC Modification Transparent FAX -> Voice

Description:

Mobile originated call modification of a transparent FAX call into a voice call

Preamble:
ACIFD155
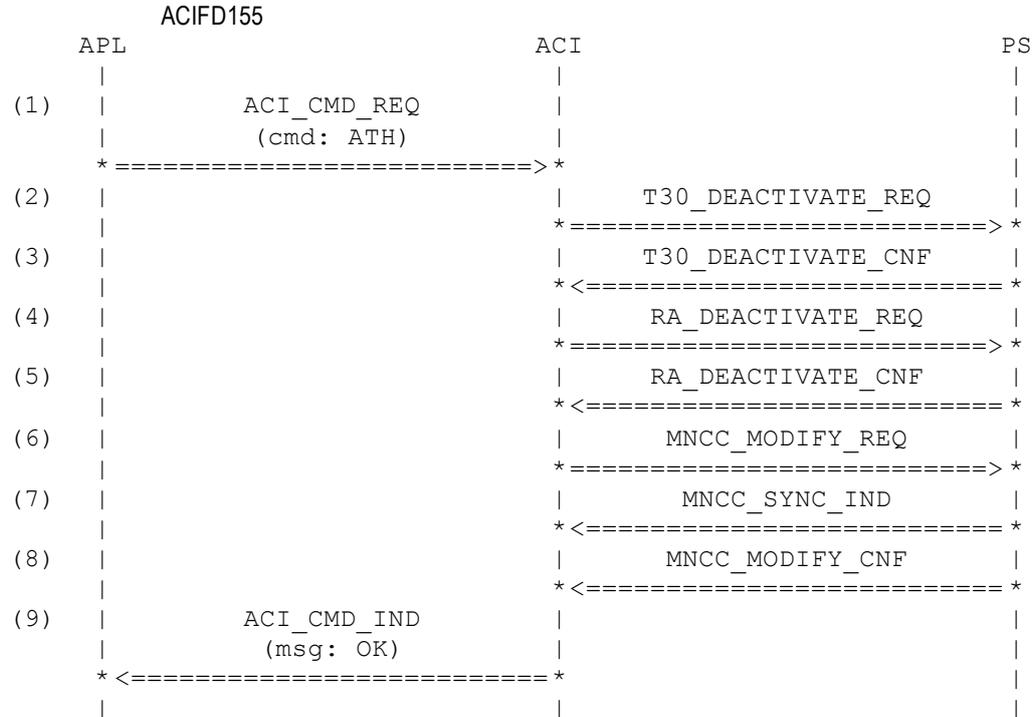
```
    APL                           ACI                          PS
     |                             |                            |
(1)  |         ACI_CMD_REQ         |                            |
     |          (cmd: ATH)         |                            |
     * ==========================> *                            |
(2)  |                             |      T30_DEACTIVATE_REQ     |
     |                             * ==========================> *
(3)  |                             |      T30_DEACTIVATE_CNF     |
     |                             * <========================== *
(4)  |                             |      RA_DEACTIVATE_REQ      |
     |                             * ==========================> *
(5)  |                             |      RA_DEACTIVATE_CNF      |
     |                             * <========================== *
(6)  |                             |       MNCC_MODIFY_REQ       |
     |                             * ==========================> *
(7)  |                             |       MNCC_SYNC_IND         |
     |                             * <========================== *
(8)  |                             |       MNCC_MODIFY_CNF       |
     |                             * <========================== *
(9)  |         ACI_CMD_IND         |                            |
     |          (msg: OK)          |                            |
     * <========================== *                            |
     |                             |                            |
```

Parametrization:

Primitive	Parameter	Value
(1) ACI_CMD_REQ		
	cmd_src	CMD_SRC_EXT
	cmd_len	LC_H
	cmd_seq	C_H
(2) T30_DEACTIVATE_REQ		
(3) T30_DEACTIVATE_CNF		
(4) RA_DEACTIVATE_REQ		
(5) RA_DEACTIVATE_CNF		
(6) MNCC_MODIFY_REQ		
	ti	NUM_0
	serv	SERV_SPEECH
(7) MNCC_SYNC_IND		
	ti	NOT_PRESENT_8BIT
	cause	CAUSE_NOT_PRES
	chm	S_CHN_SPEECH
(8) MNCC_MODIFY_CNF		
	ti	NUM_0
	res	RES_POS
(9) ACI_CMD_IND		
	cmd_len	LM_OK
	cmd_seq	M_OK

History: 23.12.98   AK   Initial

Appendices

A.   Acronyms

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

B.   Glossary

International Mobile Tel-ecommunication 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 terre-strial 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/>