# **CETECOM**

# **Level 1 ICC Terminal Test Report**

#### **IFM:**

SEC1110-A5-02

**Vendor:** 

**SMSC** 

**Manufacturer:** 

**SMSC** 

**Test Report:** 

1-4559-1-2-12\_1\_CET

Number of Pages: 78 + 32

Date of release: 2012-07-16

#### **CETECOM ICT Services GmbH**

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Digital Signatures:			

(tests performed)

(report verified)



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### 1. Laboratory Information

#### 1.1 Test Laboratory

Company name: CETECOM ICT Services GmbH

Address: Untertürkheimer Str. 6-10

D-66117 Saarbrücken

Germany

Telephone: + 49 (0) 681 / 598-0

Fax: + 49 (0) 681 / 598-9075

Responsible for testing laboratory: Mr Jens Feldmann (Cetecom ICT Services GmbH)

#### 1.2 Organisational items

Reference No.: 1-4559/12

Order No.:

Responsible for test report verification: Mrs Kerstin Philippi

Test performed by: Mr Dominic La Vecchia

Receipt of EUT: 2012-06-22

Date(s) of test: 2012-06-26 to 2012-07-04

Date of report: 2012-07-16

Used template: Rep NoEMVCo L1 2.1

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#### 1.3 Testing facilities

Tests inside climatic chamber and air conditioned room:

Room 013

Untertürkheimer Str. 6-10 D-66117 Saarbrücken

Germany

#### 1.4 Reference documents

#### 1.4.1 Technical Specification

Ref.	Document Title		Version	Date
	Identity			
1.	EMVCo	EMV2000 Integrated Circuit Card		November
	Specification	Specification for Payment Systems		2011
		Book 1 – Application indepentend ICC to Terminal		
		Interface requirements		

#### 1.4.2 Test Reference Documents

Ref.	Document	Document Title		Date
	Identity			
1.		EMVCo Type Approval –Terminal Level 1 – Test	2.1	January 2009
		Cases		
2.		EMVCo Type Approval –Terminal Level 1 –		January, 2009
		Administrative Process		
3.		Level 1 Implementation Conformance Statement	2.1	January, 2007

#### 1.5 Client Information

IFM Vendor: SMSC
IFM Manufacturer: same as applicant

#### 1.6 Subcontracted Tasks

The following tasks of the test have been subcontracted:

None



### 2. Vendor Information

#### 2.1 Vendor's details

Vendor's name:	SMSC	
Address:	2107 North First Street #660	
	San Jose, CA 95131 USA	
	USA	
Contact person:	Lokesh Johri	
Telephone:	+1 408-467-8312	
Fax:	+1 408-441-0463	
E-Mail Address:	Lokesh.Johri@smsc.com	

#### 2.2 Manufacturer's details

(if different than submitting Vendor)

Manufacturer's name:	same as applicant
Address:	
Telephone:	
Fax:	
E-Mail Address:	

CETECOM Test Report: 1-4559-1-2-12\_1\_CET Date: 2012-07-16 Page 6 of 78  $File: $$ \Ut57\3_sct_projekte\12\_closed\4559\_1\Task2(SCT)\1-4559\_1\_2\Test\ report\1-4559-1-2-12\_1\_CET.docx $$$ 

IFM Vendor: SMSC IFM name: SEC1110-A5-02



#### 3. Product Information

#### 3.1 Test samples information

Tests performed on the following device(s):

Interface Module:	
IFM name:	SEC1110-A5-02
IFM Version:	A1
IFM Hardware:	Pelamis
IFM Hardware Version:	Rev 1.0
IFM Software:	USBCCID_V2.09
IFM Software Version:	V2.09
Teminal Model Name (IFM implemented in):	SEC1110

### 3.2 Type, S/N etc. and short descriptions used in this test report

Equip. Under Test*	IFM Version	Terminal S/N(serial number)
EUT 1	SEC1110-A5-02 A1	SEC1110 SN114

<sup>\*)</sup> EUT short description is used to simplify the identification of the EUT in this test report. The test has been performed on EUT with S/N SN114

IFM name: SEC1110-A5-02



#### 3.3 Short Descriptions used in this test report for ancillary equipment

Ancillary Equip *	AE, (device brand), (device name)	device type	S/N(serial number) Plus manufacturing date	HW hardware status	SW software status
AE 1	Toshiba Tecra A8	Loopback PC	X60611151H	-	Win XP SP2

<sup>\*)</sup> AE short description is used to simplify the identification of the AE in this test report.

#### 3.4 EUT setups

EUT setup no.*)	Combination of EUT	Remarks
set. 1	EUT1 + AE1	AE1 for loopback control

<sup>\*)</sup> EUT setup no. is used to simplify the identification of the EUT setup in this test report.

CETECOM Test Report: 1-4559-1-2-12\_1\_CET Date: 2012-07-16  $File: \label{local_file} File: \label{file:local_file} File: \label{file:local_file:file:local_file:file:local_file:loc$ 



### 3.5 Photographs

#### Tested Sample



Test Setup





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### 4. Test Equipment

### 4.1 List of test equipment

No	Equipment	Туре	Manufact.	Serial No.	INV. No Cetecom	Last Calibration
1	Digital multi meter	34401A	HP	US36029312	400000006	02.07.2012
2	Digital multi meter	34401A	HP	3146A12758	40000007	22.06.2011
3	Terminal Adapter Star 3150	STAR 3150 BOOT1.03Sys1.13Co nfig70 Emulog34.3 L1Play24.3	MICROPROSS	STO.02.41.04	300002999	26.10.2011
4	EMV 2000 L1 Test Library 3.1.2	EPI 3.0.0	integri		300003000	
5	Climate Chamber	VC 4034	Voetsch Industrietechnik	58566088110010	300003390	19.06.2012
6	Oscilloscope	WaveSurfer 44MXs	LeCroy	LCRY0310M24838	300003834	03.01.2012
7	Power Supply DC	N10149	Agilent Böb Service 1	U8002AE03	400000172	
8	Package IT3 Analog Simulator for EMV	IT3 EMV	Comprion	B3609- 50901,B3609-50902	300003951	28.09.2011
9	Temperature&Relative Humidity Logger	0144851	Veriteq	09092075	400000259	28.10.2011
10	Temperature&Relative Humidity Logger	SP-2000-20R	Veriteq	11092250	400000481	30.04.2012

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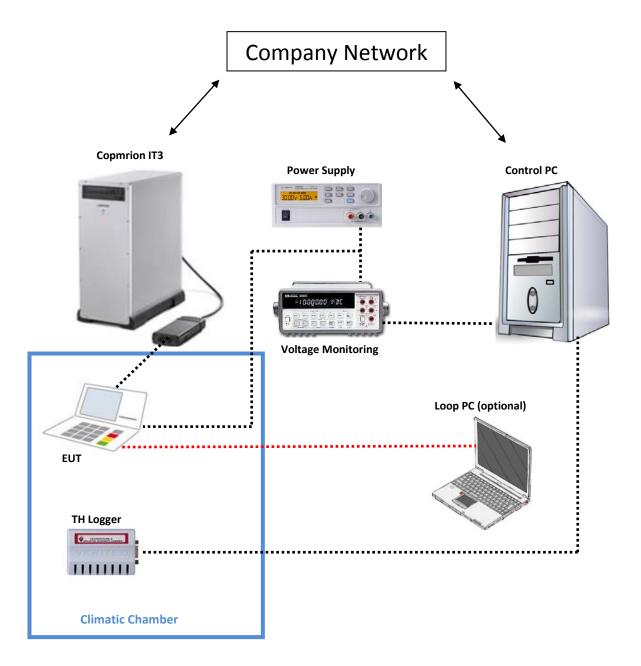


### 4.2 Accuracy of the measurements

Instrument	Task	Range	Accuracy
HP 34401A	IFM power supply monitoring and Resistance measurement (VPP)	DC: 100 mV / 1000 V	≤ 0,0060 % (100 mV) ≤ 0,0026 % ( 1000 V)
	resistance measurement (VII)		
		AC: 1 / 750 V	≤ 0,06 %
		2016	(10 Hz to 20 kHz)
		Resistance: 10MOhm	0,040 % of reading
I C DCO	ICC	100MOhm	0,800 % of reading
LeCroy DSO 44MXs	ICC contacts frequency monitoring	400MHz Bandwidth	≤ 5 ppm @ 25 °C
44MXS	ICC contact rise/fall time monitoring	Time Base Range: 200 ps/div–1000 s/div (roll	(typical) (≤ 10 ppm @ 5–40 °C)
		mode from 500 ms/div–	3-40 C)
		1000 s/div)	
		Rise Time: 875 ps	
	ICC contact voltage monitoring	Vertical (DC Gain)	± 1.0% of full scale
	Tee contact voltage monitoring	Accuracy	(typical); $\pm 1.5\%$ of full
		ricearacy	scale $\geq 10 \text{ mV/div}$
			(warranted)
Veriteq	Room Temperature and Humidity Test	10-90%rH; -20-70°C	0,6%rH
Instruments	Equipment		0,06°C
	Temperature monitoring		·
Comprion IT3	Current Offsets at contacts RST, CLK,VPP IO	+-10μΑ	±5μΑ
	VCC current static Amplitude	0 – 45mA	±0,1mA
	VCC current spike Amplitude at variable DC Voltage	0 – 45mA @ 1.2 – 3Vdc	±0,5mA
	VCC current spike at fixed DC	0 – 45mA @ 5V	±0,5mA
	VCC Rise Fall time of spike amplitude	20 – 80nS	±20nS
	Current Load low, high at RST, CLK and VPP	llow/high 5 – 225μA	±1μA
	Utreshold at RST, CLK, VPP	-0,5 – 6V	±0,02V
	IO current load low, high	-10 to -2250µA (low)	±2,5μA
		5 – 225µA (high)	$\pm 1.0 \mu A$
	IO Utreshold	-0,5 to 6V	±0,02V
	IO low level measurement	-0,3V to 5V	±20mV
	IO high level measurement	1,2 to 6V	±20mV
	IO Rise/Falltime	100 nS	±8nS
		200 nS	±16nS
		500 nS 1000nS	±40nS
			±80nS
	Offsetvoltage at VCC, VPP, RST, CLK, IO	0 – 5V	±0,003V
	Current load low, high at VCC	-5 to -225μA	±1μA
	Utreshold at VCC	-0,5 to 6V	±0,02V



### 4.3 Connection diagram



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#### 4.4 Environmental conditions

Electrical and functional tests were performed inside the climatic chamber under stable conditions. The values were those specified in the Implementation Conformance Statement or those defined in the test specification: "EMVCo Type Approval –Terminal Level 1 – Implementation Requirements", when not indicated in the ICS.

The electrical tests requiring the Digital Storage Oscilloscope and the mechanical tests were performed outside the climatic chamber and the EUT was placed in an air conditioned room with controlled ambient temperature and relative humidity.

The following conditions where established during the tests:

		Low Temperature: low Voltage	High Temperature: high Voltage	Nominal Temperature Nominal Voltage
Temperature	min	5°C	38°C	20°C
	max	7°C	40°C	26°C
Supply Voltage	avg.	4.96V	5.50V	5.00V
Humidity	min	40% rH	40% rH	40% rH
	max	60% rH	60% rH	60% rH

#### 4.5 Internal procedures

The tests were performed according to the following internal procedures:

Identification	Title	Version	Date
CTC-SCT-ON-EMV2000	Operator Notes for EMV2000 Type Approval Tests	2.2	April 2012
AA WC 49	Type Approval tests for Integrated Circuit Card	1.9	September
	Terminals and Card Tests		2011

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#### 4.6 Additional Reference Documentation

Ref.	Document	Document Title	Version	Date
1.	STD/GEN/T01	ICC Terminal Type Approval:	2.1	April, 1999
		Rules of Operation for Testing Laboratories		

#### 4.6.1 Documents describing the Test Methods and Test Case Cross-Reference

2.	TBD/DOC/T01	TERMINAL TYPE APPROVAL LEVEL 1 Laboratories Documentation Scheme	1.5	27 <sup>th</sup> November 2007
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### 5. Modifications of EUT

Device has been tested in 2 protocol configurations. Please refer to the attached ICS documents.

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## 6. Summary of test results

### 6.1 Overall Summary

Test Group	Reference	Verdict summary
Electrical Tests	1CB.	PASS
Card Session Tests	1CC.	PASS
Answer To Reset Tests	1CE.	PASS
Protocol T=0 Tests	1CF.	PASS
Protocol T=1 Tests	1CF.	PASS
Terminal Transport Layer Tests	1CF.	PASS

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#### 7. Comments

#### 7.1 Conclusion

- a) We hereby certify that this test report is complete, accurate and that the results reported in the summary are those observed during the test session.
- b) This test report is not an approval of the submitted IFMs or Terminal types. This test report contains informations which are shared intellectual property of the IFM Provider and CETECOM ICT Services GmbH Laboratory.

It can:

- only be used by the IFM Provider for internal corrective or preventive actions, or for enhancement of his production and it can not be mentioned to other parties, if it is granted by Cetecom unless a written permission is given by the Laboratory.
- c) The tests were performed on a qualified and fully operational Test Bench and according to the specified test requirements and procedures.
- d) The environmental conditions were free from any disturbing factor.
- e) The test report only contains information, relating to the performed tests on the test samples provided by the IFM Provider and is not an endorsement of the whole production of the IFM, which is the sole responsibility of the IFM Provider.
- f) The observed measurements will be kept for a period of ten years after the indicated report issue date.

•••••	•••••
Mr. Jens Feldmann	Mr. Dominic La Vecchia
(Manager of the Smart Card	(Testing Manager)
Technology Competence Center)	CETECOM ICT Services GmbH
CETECOM ICT Services GmbH	

Note: Above signatures apply on hardcopy test reports.

#### 7.2 Observations

None

IFM Vendor: SMSC



#### 8. Detailed Test Results

#### 8.1 Electrical Test at Low, Nominal and High Temperature

Test Case Number	Test Title:	Results	Laboratory Comment
1CB.001.0x	Short-circuit resilience	Pass	1)
1CB.002.00	VPP Isolation	Pass	
1CB.003.0x	VPP voltage	NA	C6 isolated
1CB.004.0x	I/O Current	Pass	1)
1CB.005.0x	I/O Transmission voltage	Pass	
1CB.006.0x	I/O Transmission rise and fall time	Pass	
1CB.007.0x	I/O transmission signal perturbations	Pass	
1CB.008.0x	I/O reception voltage	Pass	
1CB.009.0x	I/O reception rise and fall times	Pass	
1CB.010.0x	CLK voltage	Pass	
1CB.011.0x	CLK rise and fall times	Pass	
1CB.012.0x	CLK signal perturbations	Pass	
1CB.013.0x	CLK frequency and duty cycles	Pass	
1CB.014.0x	RST voltage	Pass	
1CB.015.0x	RST rise and fall times	Pass	
1CB.016.0x	RST signal perturbations	Pass	
1CB.017.0x	VCC Contact voltage	Pass	
1CB.018.0x	Transients neutralization on VCC	Pass	

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NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case - not mandatory

#### 8.2 Card Session Test at Nominal and High Temperature

Test Case Number	Test Title		Laboratory Comment
	Contact Activation Sequence	Pass	
1CC.002.0x	Contact Deactivation Sequence	Pass	
1CC.003.0x	Cold reset	Pass	
1CC.004.0x	Warm reset	Pass	

NA – Not Applicable Laboratory Comments:  $NT-Not\ Tested$ 

NI: - Not Implemented

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case – not mandatory

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<sup>1) -</sup> Testcase is performed at nominal test voltage and temperature only.

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#### 8.3 Configuration 1: Answer to Reset at Nominal Temperature

ICE.001	xy=00 xy=00 xy=00 xy=00 xy=00 xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	1703 DTS02   1703 DTS02   1703 DTS11   Properties   1703 DTS12   1703 DTS12   1703 DTS12   1703 DTS12   1703 DTS21   1703 DTS21   1703 DTS21   1703 DTS22   1703 DTS23   1703 DTS22   1703 DTS23   170	acc
TCE.002	xy=00 xy=00 xy=00 xy=00 xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	xy=00 1703 DTS11 Properties	433
Valid maximum inter- character interval during ATR         1703 DTS12           ICE.003         xy=00         1703 DTS21         Pass           Cold ATR global time         xy=00         1703 DTS22         Pass           ICE.004         xy=00         1703 DTS22         Pass           Warm ATR global time         xy=00         1718 DTS00         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='11'         Pass           ICE.005         xy=10         1718 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='12'         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='13'         Pass           ICE.005         xy=30         1720 DTS00         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='11'         TA1='11'           ICE.005         xy=40         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='12'           ICE.005         xy=40         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention         TA1='12'         TA1='12'<	xy=00  xy=00  xy=00  xy=00  T=0 direct TA1='11'  xy=10 T=0 direct TA1='12'  xy=20	m inter- character interval during ATR	
ICE.003	xy=00 xy=00 xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	xy=00 1703 DTS21 Populatime xy=00 1703 DTS22 Populatime xy=00 1703 DTS22 Populatime xy=00 1718 DTS00 Population Population xy=00 1718 DTS00 Po	ass
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	xy=00 xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	xy=00   1703 DTS22   Pobal time   xy=00   1718 DTS00   Pobal time   xy=00   1718 DTS00   Pobal time   xy=00	
ICE.004 Warm ATR global time $xy=00$ $1703$ DTS22PassICE.005 ETU measurement, specific mode, cold reset $xy=00$ T=0 direct convention TA1='11' $1718$ DTS00PassICE.005 ETU measurement, specific mode, cold reset $xy=10$ T=0 direct convention TA1='12' $1718$ DTS10PassICE.005 ETU measurement, specific mode, cold reset $xy=20$ T=0 direct convention TA1='13' $1718$ DTS20PassICE.005 ETU measurement, specific mode, cold reset $xy=30$ T=0 direct convention TA1='11' $1720$ DTS00PassICE.005 ETU measurement, specific mode, cold reset $xy=30$ T=0 direct convention TA1='11' $1720$ DTS10PassICE.005 ETU measurement, specific mode, cold reset $xy=40$ T=0 direct convention TA1='12' $1720$ DTS10PassETU measurement, specific mode, cold reset $xy=40$ T=0 direct convention TA1='12' $1720$ DTS10PassICE.005 ETU measurement, specific mode, cold reset $xy=40$ T=0 direct convention TA1='12' $1720$ DTS20Pass	xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	xy=00 1703 DTS22 Pobal time xy=00 1718 DTS00 Po	ass
Warm ATR global time         xy=00         1718 DTS00         Pass           ETU measurement, specific mode, cold reset         xy=00         1718 DTS00         Pass           1CE.005         xy=10         1718 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='12'         Pass           1CE.005         xy=20         1718 DTS20         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='13'         1720 DTS00         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='11'         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='12'         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='12'         1720 DTS20         Pass	xy=00 T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	bbal time   xy=00   1718 DTS00   Pe	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	xy=00 1718 DTS00 Po	ass
ETU measurement, specific mode, cold reset  T=0 direct convention TA1='11'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='12'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='13'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='13'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='11'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='11'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='11'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='12'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention TA1='12'  T=0 direct	T=0 direct TA1='11' xy=10 T=0 direct TA1='12' xy=20	NJ=00	acc
TA1='11'	TA1='11' xy=10 T=0 direct TA1='12' xy=20	pent_specific mode_cold_reset	433
ETU measurement, specific mode, cold reset	T=0 direct TA1='12' xy=20	•	
TA1='12'	TA1='12' xy=20	xy=10 1718 DTS10 P	ass
ICE.005 $xy=20$ $1718 \text{ DTS}20$ Pass         ETU measurement, specific mode, cold reset $T=0 \text{ direct convention } \\ TA1='13'$ $1720 \text{ DTS}00$ Pass         ETU measurement, specific mode, cold reset $T=0 \text{ direct convention } \\ TA1='11'$ $1720 \text{ DTS}10$ Pass         ETU measurement, specific mode, cold reset $T=0 \text{ direct convention } \\ T=0  direct conven$	xy=20	nent, specific mode, cold reset T=0 direct convention	
ETU measurement, specific mode, cold reset	•		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	T=0 direct	xy=20 1718 DTS20 P	ass
1CE.005         xy=30         1720 DTS00         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='11'         1720 DTS10         Pass           1CE.005         xy=40         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='12'         T20 DTS20         Pass           1CE.005         xy=50         1720 DTS20         Pass		· · · · · · · · · · · · · · · · · · ·	
ETU measurement, specific mode, cold reset  T=0 direct convention TA1='11'  1CE.005  ETU measurement, specific mode, cold reset  T=0 direct convention T=0 direct convention TA1='12'  1CE.005  xy=50  1720 DTS20  Pass			
TA1='11'	•	1,2021300	ass
1CE.005         xy=40         1720 DTS10         Pass           ETU measurement, specific mode, cold reset         T=0 direct convention TA1='12'         TA1='12'           1CE.005         xy=50         1720 DTS20         Pass		. 1	
ETU measurement, specific mode, cold reset  T=0 direct convention TA1='12'  1CE.005  xy=50  1720 DTS20  Pass			1
TA1='12'  1CE.005	•		ass
1CE.005 xy=50 1720 DTS20 Pass		. 1	
1.7 **   1.2 * 2.2 * 1			Dace .
ETO measurement, specific mode, cold reset	•	1-7	455
TA1='13'			
1CE.005 xy=01 1718 DTS30 Pass			ass
ETU measurement, specific mode, cold reset  T=0 inverse convention	·		
TA1='11'		-	
1CE.005 xy=11 1718 DTS40 Pass	xy=11	xy=11 1718 DTS40 P	ass
ETU measurement, specific mode, cold reset T=0 inverse convention	T=0 inverse	nent, specific mode, cold reset T=0 inverse convention	
TA1='12'	TA1='12'		
1CE.005   xy=21   1718 DTS50   Pass	•	17 10 D 1500	ass
ETU measurement, specific mode, cold reset  T=0 inverse convention		, I	
TA1='13'  1CF 005			1
Ny=31 1720 B1550	•	Ny=51	ass
ETU measurement, specific mode, cold reset  T=0 inverse convention TA1='11'		' I '	
1CE.005 xy=41 1720 DTS40 Pass			228
ETU measurement, specific mode, cold reset  T=0 inverse convention			
TA1='12'			
1CE.005 xy=51 1720 DTS50 Pass	xy=51	xy=51 1720 DTS50 P	ass
ETU measurement, specific mode, cold reset T=0 inverse convention			
TA1='13'	TA1='13'		
1CE.005   xy=02   1750 DTS10   Pass			ass
ETU measurement, specific mode, cold reset T=1 direct convention		' I '	
TA1='11'			
1CE.005 xy=12 1750 DTS30 Pass		7	ass
ETU measurement, specific mode, cold reset  T=1 direct convention			
TA1='12'  1CE.005			acc.
ICE.005 xy=22 1750 DTS50 Pass ETU measurement, specific mode, cold reset T=1 direct convention		,	455
TA1='13'			
1CE.005 xy=32 1752 DTS00 Pass			ass
ETU measurement, specific mode, cold reset  T=1 direct convention	L XV-37	1,02 B 1000	
TA1='11'			
1CE.005 xy=42 1752 DTS10 Pass	T=1 direct	•	locs
ETU measurement, specific mode, cold reset T=1 direct convention	T=1 direct TA1='11'	TA1='11'	ass
TA1='12'	T=1 direct TA1='11' xy=42	TA1='11'	ass

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.005	xy=52	1752 DTS20	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention TA1='13'			
1CE.005	xy=03	1751 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='11'			
1CE.005	xy=13	1751 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='12'			
1CE.005	xy=23	1751 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='13'			
1CE.005	xy=33	1752 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='11'			
ICE.005	xy=43	1752 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='12'			
1CE.005	xy=53	1752 DTS50	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='13'			
1CE.006	xy=00	1718 DTS01	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention TA1='11'	1717-DTS03		
1CE.006	xy=10	1718 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention TA1='12'	1717 DTS11		
1CE.006	xy=20	1718 DTS21	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention TA1='13'	1717 DTS12		
1CE.006	xy=01	1717 DTS04	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention TA1='11'	1718 DTS31		
1CE.006	xy=11	1718 DTS41	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention TA1='12'			
1CE.006	xy=21	1718 DTS51	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention TA1='13'			
1CE.006	xy=02	1750 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='11'			
1CE.006	xy=12	1750 DTS31	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='12'			
1CE.006	xy=22	1750 DTS51	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='13'			
1CE.006	xy=03	1751 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='11'			
1CE.006	xy=13	1751 DTS31	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='12'			
1CE.006	xy=23	1751 DTS41	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='13'			
1CE.007	xy=00	1702 DTS00	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='11'	1702 DTS30		
1CE.007	xy=10	1702 DTS10	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='12'	1702 DTS40		

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.007	xy=20	1702 DTS20	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='13'	1702 DTS50		
1CE.007 ETU measurement, negotiable mode, cold reset	xy=01 T=1 direct convention TA1='11'	1750 DTS20	Pass	
1CE.007 ETU measurement, negotiable mode, cold reset	xy=11 T=1 direct convention TA1='12'	1750 DTS40	Pass	
1CE.007 ETU measurement, negotiable mode, cold reset	xy=21 T=1 direct convention TA1='13'	1750 DTS60	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=00 T=0 direct convention TA1='11'	1702 DTS01 1702 DTS31	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=10 T=0 direct convention TA1='12'	1702 DTS11 1702 DTS41 1717 DTS11	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=20 T=0 direct convention TA1='13'	1702 DTS21 1702 DTS51 1717 DTS12	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=01 T=1 direct convention TA1='11'	1750 DTS21	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=11 T=1 direct convention TA1='12'	1750 DTS41	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=21 T=1 direct convention TA1='13'	1750 DTS61	Pass	
1CE.009 T=0 inter-character timings, cold reset	xy=0 TC1 = '00'	1705 DTS00	Pass	
1CE.009 T=0 inter-character timings, cold reset	xy=01 TC1 = '80'	1705 DTS10	Pass	
1CE.009 T=0 inter-character timings, cold reset	xy=02 TC1 = 'F0'	1705 DTS20	Pass	
1CE.009 T=0 inter-character timings, cold reset	xy=03 TC1 = 'FF'	1705 DTS30	Pass	
1CE.009 T=0 inter-character timings, cold reset	xy=04 TC1 = 'FE'	1705 DTS40	Pass	
1CE.010 T=1 inter-character timings, cold reset	xy=00 TC1 = '00'	1800 DTS21 1800 DTS11	Pass	
1CE.010 T=1 inter-character timings, cold reset	xy=01 TC1 = '1E'	1800 DTS31 1800 DTS81	Pass	
1CE.010 T=1 inter-character timings, cold reset	xy=02 TC1 = 'FF'	1800 DTS41	Pass Pass	
1CE.011 T=0 inter-character timings, warm reset 1CE.011	xy=00 TC1 = '00'	1705 DTS01	Pass	
T=0 inter-character timings, warm reset 1CE.011	xy=01 TC1 = '80' xy=02	1705 DTS11	Pass	
T=0 inter-character timings, warm reset 1CE.011	xy=02 TC1 = 'F0' xy=03	1705 DTS21	Pass	
T=0 inter-character timings, warm reset 1CE.011	TC1 = 'FF' xy=04	1705 DTS41	Pass	
T=0 inter-character timings, warm reset 1CE.012	TC1 = 'FE' xy=00	1800 DTS22	Pass	
T=1 inter-character timings, warm reset 1CE.012	TC1 = '00' xy=01	1800 DTS12 1800 DTS32	Pass	
T=1 inter-character timings, warm reset 1CE.012	TC1 = '1E' xy=02	1800 DTS82 1800 DTS42	Pass	
T=1 inter-character timings, warm reset	TC1 = 'FF'			

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.013	xy=00	1705 DTS50	Pass	
T=0 default inter-character timings, cold reset	·			
1CE.014	xy=00	1800 DTS01	Pass	
T=1 default inter-character timings, cold reset				
1CE.015	xy=00	1705 DTS51	Pass	
T=0 default inter-character timings, warm reset				
1CE.016	xy=00	1800 DTS02	Pass	
T=1 default inter-character timings, warm reset				
1CE.017	xy=00	1701 DTS0	Pass	
Conformance after cold reset	T=0, direct			
1CE.017	xy=01	1727 DTS00	Pass	
Conformance after cold reset	T=0, inver.			
1CE.017	xy=02	1727 DTS10	Pass	
Conformance after cold reset	T=0, inver.			
1CE.017	xy=03	1800 DTS81	Pass	
Conformance after cold reset	T=1, inver.			
1CE.017	xy=04	1751 DTS10	Pass	
Conformance after cold reset	T=1, inver.			
1CE.018	xy=00	1701 DTS1	Pass	1
Conformance after warm reset	T=0, direct			
1CE.018	xy=01	1727 DTS01	Pass	
Conformance after warm reset	T=0, inver.			
1CE.018	xy=02	1717 DTS01	Pass	
Conformance after warm reset	T=0, direct			
1CE.018	xy=03	1727 DTS21	Pass	
Conformance after warm reset	T=0, inver.			
1CE.018	xy=04	1727 DTS11	Pass	
Conformance after warm reset	T=0, inver.			
1CE.018	xy=05	1800 DTS82	Pass	
Conformance after warm reset	T=1, inver.			
1CE.018	xy=06	1754 DTS02	Pass	
Conformance after warm reset	T=1, inver.			
1CE.019	xy=00	1722 DTS1	Pass	
ATR longer than basic ATR – cold reset	T=0			
1CE.019	xy=01	1753 DTS1	Pass	
ATR longer than basic ATR – cold reset	T=1			
1CE.020	xy=00	1722 DTS2	Pass	
ATR longer than basic ATR – warm reset	T=0			
1CE.020	xy=01	1753 DTS2	Pass	
ATR longer than basic ATR – warm reset	T=1			
1CE.021	xy=00	1705 DTS60	Pass	
Supported values for T0, cold reset				
1CE.021	xy=01	1751 DTS20	Pass	
Supported values for T0, cold reset				
1CE.021	xy=02	1794 DTS1	Pass	
Supported values for T0, cold reset				
1CE.022	xy=00	1705 DTS61	Pass	
Supported values for T0, warm reset		1717 DTS10		
1CE.022	xy=01	1751 DTS21	Pass	
Supported values for T0, warm reset				
1CE.022	xy=02	1800 DTS02	Pass	1
Supported values for T0, warm reset				
1CE.023	xy=00	1769 DTS1	Pass	1
Supported values of TB1, cold reset				
1CE.024	xy=00	1717 DTS01	Pass	
Supported values of TB1, warm reset - T=0				
1CE.024	xy=01	1717 DTS02	Pass	
Supported values of TB1, warm reset - T=0				
1CE.024	xy=02	1754 DTS03	Pass	
Supported values of TB1, warm reset - T=1	•			
Supported values of TB1, warm reset 1-1				
1CE.024	xy=03	1754 DTS04	Pass	

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.025	xy=00	1798 DTS81	Pass	Comment
Supported values of TD1, cold reset - T=1	Ny=00	1770 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
1CE.025	xy=01	1750 DTS10	Pass	
Supported values of TD1, cold reset - T=1	,	1		
1CE.026	xy=00	1717 DTS03	Pass	
Supported values of TD1,	,	1717 DTS14		
warm reset - T=0				
1CE.026	xy=01	1754 DTS1	Pass	
Supported values of TD1,	, 01	1798 DTS82		
warm reset - T=1				
1CE.026	xy=02	1750 DTS11	Pass	
Supported values of TD1,	,			
warm reset - T=1				
1CE.027	xy=00	1710 DTS10	Pass	
Supported values of TC2, cold reset	<i>xy</i> =00	1710 1510		
1CE.028	xy=00	1717 DTS10	Pass	
Supported values of TC2, warm reset	xy=00	1717 D1510	1 433	
1CE.029	xy=00	1715 DTS1	Pass	
Supported values of TD2, cold reset	Ay-00	1/13/0181	1 433	
1CE.030	xy=00	1717 DTS13	Pass	
	Ay-00	1/1/ 1/1813	1 455	
Supported values of TD2, warm reset 1CE.031	xy=00	1798 DTS91	Pass	
Default TA3, cold reset	xy=00	1/98 D1391	rass	
	00	1700 P.T.	Pass	
1CE.032	xy=00	1798 DTS92	Pass	
Default TA3, warm reset	00	1000 P.M.	D	
1CE.033	xy=00	1800 DTS11	Pass	
Supported values of TB3, cold reset			-	
1CE.033	xy=01	1800 DTS21	Pass	
Supported values of TB3, cold reset				
1CE.033	xy=02	1800 DTS31	Pass	
Supported values of TB3, cold reset				
1CE.034	xy=00	1800 DTS12	Pass	
Supported values of TB3, warm reset				
1CE.034	xy=01	1800 DTS22	Pass	
Supported values of TB3, warm reset				
1CE.034	xy=02	1800 DTS32	Pass	
Supported values of TB3, warm reset				
1CE.035	xy=00	1750 DTS10	Pass	
Supported values of TC3, cold reset				
1CE.036	xy=00	1754 DTS06	Pass	
Supported values of TC3, warm reset				
1CE.037	xy=00	1727 DTS01	Pass	
Different conventions between cold and warm reset	DI – T=0	1717 DTS04		
1CE.037	xy=01	1717 DTS05	Pass	
Different conventions between cold and warm reset	ID – T=0			
1CE.037	xy=02	1754 DTS05	Pass	
Different conventions between cold and warm reset	DI – T=1			
1CE.037	xy=03	1754 DTS06	Pass	
Different conventions between cold and warm reset	ID – T=1	170.121200		
1CE.050-1	xy=00			Option NOT
ATR global time exceeded - cold reset (1)	<i></i> , 00			supported
1CE.050-2	xy=00	1704 DTS10	Pass	Supported
ATR global time exceeded - cold reset (2)	13,000	1707 D1010	1 433	
1CE.051-1	xy=00	-		Option NOT
ATR global time exceeded - warm reset (1)	Ay-00			supported
1CE.051-2	00	1704 DTS11	Pass	supported
ATR global time exceeded - warm reset (2)	xy=00	1/04 D1311	1 455	
	WW-00	1700 DTC10	Pass	
1CE.052-1	xy=00	1708 DTS10	rass	
ATR inter-character delay exceeded, - cold reset (1)	00	1708 DTS40	D	
1CE.052-2	xy=00	1704 DTS00	Pass	
ATR inter-character delay exceeded, - cold reset (2)		4500 5 500		
1CE.053-1	xy=00	1708 DTS11	Pass	
ATR inter-character delay exceeded, warm reset (1)	İ	1708 DTS41		



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.053-2	xy=00	1704 DTS01	Pass	
ATR inter-character delay exceeded, warm reset (2)				
1CE.054-1	xy=00	-1263 Electrical		Option NOT
Incorrect cold ATR initiation delay (1) 1CE.054-2	xy=00	1719 DTS30	Pass	supported
Incorrect cold ATR initiation delay (2)	Ny=00	1717 1530	1 433	
1CE.055-1	xy=00	-		Option NOT
Incorrect warm ATR initiation delay (2)				supported
1CE.055-2	xy=00	1719 DTS31	Pass	
Incorrect warm ATR initiation delay (2)				
1CE.056	xy=00	1726 DTS10	Pass	
Invalid ATR – Parity Error – Cold Reset				
1CE.056	xy=01	1726 DTS20	Pass	
Invalid ATR - Parity Error - Cold Reset				
1CE.057	xy=00	1726 DTS11	Pass	
Invalid ATR – Parity Error – Warm Reset				
1CE.057	xy=01	1726 DTS21	Pass	
Invalid ATR – Parity Error – Warm Reset	<u></u>		<u> </u>	
1CE.058	xy=00	1716 DTS10	Pass	
Incorrect TS – Cold Reset	<u> </u>			
1CE.058	xy=01	1716 DTS20	Pass	
Incorrect TS – Cold Reset				
1CE.058	xy=02	1716 DTS30	Pass	
Incorrect TS – Cold Reset				
1CE.058	xy=03	1716 DTS40	Pass	
Incorrect TS – Cold Reset				
1CE.059	xy=00	1716 DTS11	Pass	
Incorrect TS – Warm Reset	1-5, 0.0			
1CE.059	xy=01	1716 DTS21	Pass	
Incorrect TS – Warm Reset	1-5, 1-5			
1CE.059	xy=02	1716 DTS31	Pass	
Incorrect TS – Warm Reset	,			
1CE.059	xy=03	1716 DTS41	Pass	
Incorrect TS – Warm Reset				
1CE.060	xy=00	1707 DTS02	Pass	ICS
Character Overrun in Cold ATR	1-7, 00			
1CE.060	xy=01	1707 DTS03	Pass	ICS
Character Overrun in Cold ATR	Ny=01	1707 1503		les
1CE.061	xy=00	1707 DTS02	Pass	ICS
Character Overrun in Warm ATR	Ky=00	1707 1502		les
1CE.061	xy=01	1707 DTS03	Pass	ICS
Character Overrun in Warm ATR	Xy-01	1707 1303		les
1CE.062	xy=00	1707 DTS05	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	T=0	1707 D1303		ics
1CE.062		1707 DTS13	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	xy=01 T=1	1/0/ 1/515	1 400	ics
**		1707 DTG22	Pass	ICS
1CE.062	xy=02	1707 DTS32	1 433	
Unsupported TA1 in Specific Mode – Cold Reset	T=0	1707 DE022	Pass	ICS
1CE.062	xy=03	1707 DTS33	1 455	ICD
Unsupported TA1 in Specific Mode – Cold Reset	T=1	4-0	Pass	100
1CE.063	xy=00	1707 DTS05	rass	ICS
Unsupported TA1 in Specific Mode – Warm Reset	T=0		D	
1CE.063	xy=01	1707 DTS13	Pass	ICS
Unsupported TA1 in Specific Mode – Warm Reset	T=1			

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.064	xy=00	1717 DTS01	Pass	
Unsupported TB1 – Cold Reset				
1CE.064	xy=01	1717 DTS03	Pass	
Unsupported TB1 – Cold Reset				
1CE.064	xy=02	1754 DTS03	Pass	
Unsupported TB1 – Cold Reset				
1CE.064	xy=03	1754 DTS04	Pass	
Unsupported TB1 – Cold Reset				
1CE.065	xy=00	1707 DTS06	Pass	
Unsupported TD1- Cold Reset				
1CE.065	xy=01	1707 DTS14	Pass	
Unsupported TD1– Cold Reset				
1CE.066	xy=00	1707 DTS06	Pass	
Unsupported TD1 – Warm Reset				
1CE.066	xy=01	1707 DTS14	Pass	
Unsupported TD1 – Warm Reset				
1CE.067	xy=00	1707 DTS29	Pass	
Unsupported TA2 – Cold Reset	•			
1CE.068	xy=00	1707 DTS29	Pass	
Unsupported TA2 – Warm Reset				
1CE.069	xy=00	1707 DTS19	Pass	
Irrelevant TB2 – Cold Reset	1-5	1707 DTS25		
1CE.070	xy=00	1707 DTS19	Pass	
Irrelevant TB2 – Warm Reset	1-5	1707 DTS20		
1CE.071	xy=00	1707 DTS26	Pass	
Unsupported TC2 – Cold Reset	1-5	1		
1CE.071	xy=01	1707 DTS10	NA	ICS
Unsupported TC2 – Cold Reset	<i>n</i> , 01	1707 21510	12	
1CE.071	xy=02	1707 DTS30	NA	ICS
Unsupported TC2 – Cold Reset	NJ=02	1707 11550	1111	Teb
1CE.071	xy=03	1707 DTS31	NA	ICS
Unsupported TC2 – Cold Reset	n, or	1707 2 1231	12	
1CE.072	xy=00	1707 DTS26	Pass	
Unsupported TC2 – Warm Reset	NJ=00	1707 11520	1 435	
1CE.072	xy=01	1707 DTS10	NA	ICS
Unsupported TC2 – Warm Reset	NJ=01	1707 1510	1111	Tes
1CE.072	xy=02	1707 DTS30	NA	ICS
Unsupported TC2 – Warm Reset	Ny=02	1707 11550	1111	Tes
1CE.072	xy=03	1707 DTS31	NA	ICS
Unsupported TC2 – Warm Reset	Ny=03	1707 11331	1471	les
1CE.073	xy=00	1707 DTS21	Pass	
Unsupported TD2 – Cold Reset	xy=00	1707 11321		
1CE.073	xy=01	1707 DTS22	Pass	
Unsupported TD2 – Cold Reset	Xy=01	1707 D1322		
1CE.073	xy=02	1707 DTS23	Pass	
Unsupported TD2 – Cold Reset	Ay-02	1/0/ 1/3/23		
1CE.074	xy=00	1707 DTS21	Pass	+
Unsupported TD2 – Warm Reset	xy-00	1/0/ 1/321	- 300	
1CE.074	xy=01	1707 DTS22	Pass	+
Unsupported TD2 – Warm Reset	Ay-UI	1707 D1322	1 400	
- 11	02	1707 DTG22	Pass	
1CE.074	xy=02	1707 DTS23	1 433	
Unsupported TD2 – Warm Reset				



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.075	xy=00	1707 DTS08	Pass	
Unsupported TA3 – Cold Reset	1-5	1,,,,		
1CE.075	xy=01	1707 DTS15	Pass	
Unsupported TA3 – Cold Reset	1.5 01	1707 21510		
1CE.075	xy=02	1707 DTS16	Pass	
Unsupported TA3 – Cold Reset	NJ=02	1707 1510		
1CE.076	xy=00	1707 DTS08	Pass	
Unsupported TA3 – Warm Reset	1.7 00	1707 2 1200		
1CE.076	xy=01	1707 DTS15	Pass	
Unsupported TA3 – Warm Reset	Ny=01	1707 1515		
1CE.076	xy=02	1707 DTS16	Pass	
Unsupported TA3 – Warm Reset	xy=02	1707 D1510		
1CE.077	xy=00	1707 DTS07	Pass	
Unsupported TB3 – Cold Reset	xy=00	1707 D1307		
1CE.077	xy=01	1707 DTS11	Pass	
Unsupported TB3 – Cold Reset	xy=01	1/0/ DISII		
1CE.077	02	1707 DTS17	Pass	
	xy=02	1/0/ D131/	1 400	
Unsupported TB3 – Cold Reset 1CE.077	02	1707 DTS24	Pass	
Unsupported TB3 – Cold Reset	xy=03	1/0/ D1324	1 400	
	00	1707 DT907	Pass	
1CE.078	xy=00	1707 DTS07	1 435	
Unsupported TB3 – Warm Reset	0.1	1707 DTG11	Pass	
1CE.078	xy=01	1707 DTS11	1 433	
Unsupported TB3 – Warm Reset	02	1505 PEG15	Pass	
1CE.078	xy=02	1707 DTS17	1 433	
Unsupported TB3 – Warm Reset	02	1707 DTG24	Pass	
1CE.078	xy=03	1707 DTS24	1 433	
Unsupported TB3 – Warm Reset	00	1505 PEG10	Pass	
1CE.079	xy=00	1707 DTS12	1 435	
Unsupported TC3 – Cold Reset	0.1	1505 PE025	Pass	
1CE.079	xy=01	1707 DTS27	1 433	
Unsupported TC3 – Cold Reset	00	1505 PEG10	Pass	
1CE.080	xy=00	1707 DTS12	1 433	
Unsupported TC3 – Warm Reset	0.1	1505 P.E.055	Pass	
1CE.080	xy=01	1707 DTS27	1 455	
Unsupported TC3 – Warm Reset		1550 P.5510	Pass	
1CE.081	xy=00	1758 DTS10	rass	
Invalid TCK when not T=0 – Cold reset	0.1	4550	Pass	
1CE.081	xy=01	1758 DTS20	rass	
Invalid TCK when not T=0 – Cold reset			Dogg	
1CE.082	xy=00	1758 DTS11	Pass	
Invalid TCK when not T=0 – Warm reset			D	
1CE.082	xy=01	1758 DTS21	Pass	
Invalid TCK when not T=0 – Warm reset	NIT NI (T. 1			

NA – Not Applicable Laboratory Comments: NT - Not Tested

NI: - Not Implemented

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending S- Supplementary Test Case – not mandatory

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## 8.4 Configuration 1: Protocol T=0 at Nominal Temperature

Test Case	Subtest Case	Laboratory	Results	Laboratory
Number	0.0	Test Script	D	Comments
1CF.001	xy=00	1701 DTS0	Pass	
T=0 ETU measurement – cold reset		.=		
1CF.002	xy=00	1701 DTS1	Pass	
ETU measurement – warm reset	0.0	1500 DEG1	- D	
1CF.003	xy=00	1709 DTS1	Pass	
Correct reception of ict 11.8 etus (T=0)	0.0	4500 DEG0	D	
1CF.004	xy=00	1709 DTS0	Pass	
Correct reception of opposite ict 15 etus (T=0)	00	1710 P.T.	D	
1CF.005	xy=00	1710 DTS01	Pass	
Correct reception of character using WWT (same d.)	D=1	1710 DTS11 1710 DTS21		
1CF.005	xy=01	1710 DTS21	Pass	
Correct reception of character using WWT (same d.)	D=2	1710 DTS31 1710 DTS41	1 433	
Correct reception of character using w w r (same d.)	D=2	1710 DTS41		
1CF.005	xy=02	1710 DTS61	Pass	
Correct reception of character using WWT (same d.)	D=4	1710 DTS01 1710 DTS71	1 433	
Correct reception of character using www (same u.)	D-4	1710 DTS81		
1CF.006	xy=00	1710 DTS00	Pass	
Correct reception of character using WWT (opposite	D=1	1710 DTS10	1 400	
d.)	2-1	1710 DTS10		
1CF.006	xy=01	1710 DTS30	Pass	
Correct reception of character using WWT (opposite	D=2	1710 DTS40	- 300	
d.)	D-2	1710 DTS50		
1CF.006	xy=02	1710 DTS60	Pass	
Correct reception of character using WWT (opposite	D=4	1710 DTS70		
d.)		1710 DTS80		
1CF.007	xy=00	1705 DTS00	Pass	
Min. Interval bet. Characters sent in oppos. Directions				
after cold reset (16 etus)				
1CF.008	xy=00	1705 DTS01	Pass	
Min. Interval bet. Characters sent in oppos. Directions				
after warm reset (16 etus)				
1CF.009	xy=00	1701 DTS 0	Pass	
INS – case 3 and 4				
1CF.010	xy=00	1701 DTS 0	Pass	
INS – case 2				
1CF.011	xy=00	1710 DTS00	Pass	
INS Complement – Case 3 and 4		1730 DTS		
1CF.011	xy=01	1705 DTS00	Pass	
INS Complement – Case 3 and 4		1731 DTS		
1CF.012	xy=00	1730 DTS	Pass	
INS Complement Byte – Case 2			_	
1CF.012	xy=01	1731 DTS	Pass	
INS Complement Byte – Case 2				
1CF.013	xy=00	1710 DTS01	Pass	
'60' Procedure Byte			-	
1CF.013	xy=01	1712 DTS0	Pass	
'60' Procedure Byte		1712 DTS1		
167012	02	1712 DTS2	D	1
1CF.013	xy=02	1712 DTS0	Pass	
'60' Procedure Byte		1712 DTS1		
1CE 014	***-00	1712 DTS2	Pass	
1CF.014	xy=00	1713 DTS0	rass	
'60' amid INS Complement Procedure Byte		1713 DTS1		
1CF.014	vv-01	1713 DTS2	Pass	
'60' amid INS Complement Procedure Byte	xy=01	1713 DTS0 1713 DTS1	rass	
oo anna nys Complement Flocedule byte		1713 DTS1 1713 DTS2		
1CF.015	xy=00	1713 DTS2 1709 DTS0	Pass	
	Ay-00		1 455	
'61' – case 2	J	1734 DTS		

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.016	xy=00	1744 DTS	Pass	
status byte '6X' or '9X'	'62xx'		_	
1CF.016	xy=01	1744 DTS	Pass	
status byte '6X' or '9X'	'63xx'			
1CF.016	xy=02	1725 DTS	Pass	
status byte '6X' or '9X'	'6700'	1725 DTG	Pass	
1CF.016	xy=03	1725 DTS	Pass	
status byte '6X' or '9X'	'6Axx'	1725 DTC	Pass	
1CF.016 status byte '6X' or '9X'	xy=04 '6Fxx'	1725 DTS	rass	
1CF.016	xy=05	1744 DTS	Pass	
status byte '6X' or '9X'	'9000'	1744 D13	1 433	
1CF.016	xy=06	1725 DTS	Pass	
status byte '6X' or '9X'	'64xx'	1744 DTS		
1CF.016	xy=07	1725 DTS	Pass	
status byte '6X' or '9X'	'65xx'	1744 DTS		
1CF.016	xy=08	1744 DTS	Pass	
status byte '6X' or '9X'	'66xx'			
1CF.016	xy=09	1725 DTS	Pass	
status byte '6X' or '9X'	'68xx'			
1CF.016	xy=10	1725 DTS	Pass	
status byte '6X' or '9X'	'69xx'			
1CF.016	xy=11	1744 DTS	Pass	
status byte '6X' or '9X'	'6Bxx'			
1CF.016	xy=12	1725 DTS	Pass	
status byte '6X' or '9X'	'6D00'			
1CF.016	xy=13	1725 DTS	Pass	
status byte '6X' or '9X'	'6E00'			
1CF.016	xy=14	1744 DTS	Pass	
status byte '6X' or '9X'	'9100'			
1CF.016	xy=15	1744 DTS	Pass	
status byte '6X' or '9X'	'92xx'			
1CF.016	xy=16	1744 DTS	Pass	
status byte '6X' or '9X'	'93xx'			
1CF.016	xy=17	1744 DTS	Pass	
status byte '6X' or '9X'	'94xx'			
1CF.016	xy=18	1744 DTS	Pass	
status byte '6X' or '9X'	'95xx'			
1CF.016	xy=19	1744 DTS	Pass	
status byte '6X' or '9X'	'96xx'			
1CF.016	xy=20	1744 DTS	Pass	
status byte '6X' or '9X'	'97xx'	4544 555	- D	
1CF.016	xy=21	1744 DTS	Pass	
status byte '6X' or '9X'	'98xx'	17.11 DEG	D	
1CF.016	xy=22	1744 DTS	Pass	
status byte '6X' or '9X' 1CF.016	'99xx'	1744 DTC	Pass	
	xy=23	1744 DTS	Pass	
status byte '6X' or '9X'	'9Axx'	1744 DTC	Pass	
1CF.016 status byte '6X' or '9X'	xy=24 '9Bxx'	1744 DTS	rass	
1CF.016	xy=25	1744 DTS	Pass	
status byte '6X' or '9X'	'9Cxx'	1/44 D13	1 455	
1CF.016	xy=26	1744 DTS	Pass	
status byte '6X' or '9X'	'9Dxx'	1/44 D13	1 433	
1CF.016	xy=27	1744 DTS	Pass	
status byte '6X' or '9X'	'9Exx'	1/77 1/13	1 433	
1CF.016	xy=28	1744 DTS	Pass	+
status byte '6X' or '9X'	'9Fxx'	1/44 D13	1 435	
1CF.030-1	xy=00			Option NOT
WWT excess (same direction)	D=1			supported
1CF.030-1	xy=01	-		Option NOT
WWT excess (same direction)	D=2			supported



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.030-1 WWT excess (same direction)	xy=02 D=4	-		Option NOT supported
1CF.030-2	xy=00	1711 DTS01	Pass	
WWT excess (same direction)	D=1	1711 DTS11		
		1711 DTS21		
1CF.030-2	xy=01	1711 DTS31	Pass	
WWT excess (same direction)	D=2	1711 DTS41		
		1711 DTS51		
1CF.030-2	xy=02	1711 DTS61	Pass	
WWT excess (same direction)	D=4	1711 DTS71		
		1711 DTS81		
1CF.031-1 WWT excess - opposite direction	0y y=0 to 2	-		Option NOT supported
1CF.031-2	xy=00	1711 DTS00	Pass	supported
WWT excess - opposite direction	D=1	1711 DTS10	1 433	
w w r excess - opposite direction	D-1	1711 DTS10		
1CF.031-2	xy=01	1711 DTS20	Pass	
WWT excess - opposite direction	D=2	1711 DTS40	1 433	
WWW excess opposite direction	D-2	1711 DTS50		
1CF.031-2	xy=02	1711 DTS60	Pass	
WWT excess - opposite direction	D=4	1711 DTS70	1 433	
WWW excess opposite direction	D-4	1711 DTS80		
1CF.032	xy=00	1735 DTS	Pass	
unsupported procedure byte / status byte	KJ-00	1755 1515		
1CF.032	xy=01	1736 DTS	Pass	
unsupported procedure byte / status byte	KJ-01	1730 1515		
1CF.033	xy=00	1714 DTS1	Pass	
Parity error detection	direct conv.	1714 D151	1 405	
1CF.033	xy=01	1714 DTS2	Pass	
Parity error detection	inv. conv.	1,11,2102		
1CF.034	xy=00	1737 DTS10	Pass	
Multiple Error Repetitions (Receiving)	11, 44			
1CF.035	xy=00	1737 DTS20	Pass	
Excess of error repetitions (receiving)	D=1			
1CF.035	xy=01	1737 DTS21	Pass	
Excess of error repetitions (receiving)	D=2			
1CF.035	xy=02	1737 DTS22	Pass	
Excess of error repetitions (receiving)	D=4			
1CF.036	xy=00	1733 DTS	Pass	
Interpretation of Repeated Character				
1CF.037 - Option 1	xy=00	1715 DTS1	Pass	
Error Correction				
1CF.037 - Option 1	xy=01	1715 DTS2	Pass	
Error Correction			1	
1CF.037 - Option 1	xy=02	1715 DTS3	Pass	
Error Correction				
1CF.037- Option 1	xy=03	1715 DTS4	Pass	
Error Correction				
1CF.037 - Option 1	xy=04	1715 DTS5	Pass	
Error Correction				
1CF.037 - Option 2	xy=00	-		Option NOT
Error Correction				supported
1CF.038	xy=00	1732 DTS10	Pass	
Multiple Error Repetition (Transmitting)				
1CF.039	xy=00	1732 DTS20	Pass	
Excess Error Repetition (Transmitting)	D=1			
1CF.039	xy=01	1732 DTS21	Pass	
Excess Error Repetition (Transmitting)	D=2			
1CF.039	xy=02	1732 DTS22	Pass	
Excess Error Repetition (Transmitting)	D=4			

NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

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S Supplementary Test Case – not mandatory

#### Configuration 1: Protocol T=1 at Nominal Temperature 8.5

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.051	xy=00	1767 DTS20	Pass	
Correct reception of 10.8 etus ict Interval		1767 DTS21		
-		1767 DTS22		
1CF.052	xy=00	1767 DTS10	Pass	
correct reception of CWT +4 etu	TB3='01'			
1CF.052	xy=01	1767 DTS11	Pass	
correct reception of CWT +4 etu	TB3='02'			
1CF.052	xy=02	1767 DTS12	Pass	
correct reception of CWT +4 etu	TB3='03'			
1CF.052	xy=03	1767 DTS13	Pass	
correct reception of CWT +4 etu	TB3='04'			
1CF.052	xy=04	1767 DTS14	Pass	
correct reception of CWT +4 etu	TB3='05'			
1CF.053	xy=00	1791 DTS00	Pass	
correct reception if BWT used	TB3='01' - D=1			
1CF.053	xy=01	1791 DTS01	Pass	
correct reception if BWT used	TB3='11' - D=1			
1CF.053	xy=02	1791 DTS02	Pass	
correct reception if BWT used	TB3='21' - D=1			
1CF.053	xy=03	1791 DTS03	Pass	
correct reception if BWT used	TB3='31' - D=1			
1CF.053	xy=04	1791 DTS04	Pass	
correct reception if BWT used	TB3='41' - D=1	.==		
1CF.053	xy=10	1791 DTS10	Pass	
correct reception if BWT used	TB3='01' - D=2	1501 PEG11	- D	
1CF.053	xy=11	1791 DTS11	Pass	
correct reception if BWT used	TB3='11' - D=2	1501 PEG12	- D	
1CF.053	xy=12	1791 DTS12	Pass	
correct reception if BWT used	TB3='21' - D=2	1701 P.T. 12	Pass	
1CF.053	xy=13 TB3='31' - D=2	1791 DTS13	rass	
correct reception if BWT used 1CF.053	xy=14	1791 DTS14	Pass	
correct reception if BWT used	TB3='41' - D=2	1791 D1314	1 ass	
1CF.053	xy=20	1791 DTS20	Pass	
correct reception if BWT used	TB3='01' - D=4	1791 D1320	1 433	
1CF.053	xy=21	1791 DTS21	Pass	
correct reception if BWT used	TB3='11' - D=4	1771 D1521	1 435	
1CF.053	xy=22	1791 DTS22	Pass	
correct reception if BWT used	TB3='21' - D=4	1771 151522	1 405	
1CF.053	xy=23	1791 DTS23	Pass	
correct reception if BWT used	TB3='31' - D=4	1771 2 1020		
1CF.053	xy=24	1791 DTS24	Pass	
correct reception if BWT used	TB3='41' - D=4			
1CF.054	xy=00	1767 DTS30	Pass	
correct reception when Block Guard Time (BGT) used	-	1767 DTS31		
		1767 DTS32		
1CF.055	xy=00	1800 DTS1	Pass	
Respect of 22 etus Block Guard Time (BGT) after				
Cold Reset				
1CF.056	xy=00	1800 DTS2	Pass	
Respect of 22 etus Block Guard Time (BGT) after				
Warm Reset				
1CF.057	xy=00	1803 DTS0	Pass	
WTX respected	D=1			
1CF.057	xy=01	1803 DTS1	Pass	
WTX respected	D=2			



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.057	xy=02	1803 DTS2	Pass	
WTX respected	D=4			
1CF.058	xy=00	1750 DTS10	Pass	
Sequence Number of the First I-block				
1CF.059	xy=00	1767 DTS20	Pass	
Valid exchanges of I-blocks	0.0	1550 DE010	D.	
1CF.060	xy=00	1750 DTS10	Pass	
Chaning: IUT receiving	00	1550 DEG	Pass	
1CF.061	xy=00	1778 DTS	Pass	
Chaining – Sequence Number of the R-blocks 1CF.062	xy=00	1782 DTS	Pass	
Chaining in both directions	xy=00	1762 D13	1 433	
1CF.063	xy=00	1798 DTS01	Pass	
Respect of IFSI by the IUT	TA3='10'	1798 DTS02	1 400	
1CF.063	xy=01	1798 DTS11	Pass	
Respect of IFSI by the IUT	TA3='20'	1798 DTS12		
1CF.063	xy=02	1798 DTS21	Pass	
Respect of IFSI by the IUT	TA3='40'	1798 DTS22		
1CF.063	xy=03	1798 DTS31	Pass	
Respect of IFSI by the IUT	TA3='60'	1798 DTS32		
1CF.063	xy=04	1798 DTS41	Pass	
Respect of IFSI by the IUT	TA3='80'	1798 DTS42	1	
1CF.063	xy=05	1798 DTS51	Pass	
Respect of IFSI by the IUT	TA3='A0'	1798 DTS52		
1CF.063	xy=06	1798 DTS61	Pass	
Respect of IFSI by the IUT	TA3='C0'	1798 DTS62		
1CF.063	xy=07	1798 DTS71	Pass	
Respect of IFSI by the IUT	TA3='E0'	1798 DTS72		
1CF.063	xy=08	1798 DTS81	Pass	
Respect of IFSI by the IUT	TA3='FE'	1798 DTS82		
1CF.064	xy=00	1805 DTS4	Pass	
Repeated Requests to Change IFSC Between two				
Chains	0.1	1005 DEGG	D	
1CF.064	xy=01	1805 DTS2	Pass	
Repeated Requests to Change IFSC Between two Chains		1805 DTS3		
1CF.064	xy=02	1805 DTS5 1805 DTS1	Pass	
Repeated Requests to Change IFSC Between two	xy=02	1003 D131	1 433	
Chains				
1CF.080-1	Xy	-		Option NOT
CWT exceeded	x=0 to 1			supported
	y=0 to 4			oupp state
1CF.080-2	xy=00	1790 DTS00	Pass	
CWT exceeded		1790 DTS01		
1CF.080-2	xy=01	1790 DTS02	Pass	
CWT exceeded				
1CF.080-2	xy=02	1790 DTS03	Pass	
CWT exceeded				
1CF.080-2	xy=03	1790 DTS04	Pass	
CWT exceeded				
1CF.080-2	xy=04	1790 DTS05	Pass	
CWT exceeded	4.0			
1CF.080-2	xy=10	1790 DTS10	Pass	
CWT exceeded	1.1	1790 DTS11	D	
1CF.080-2	xy=11	1790 DTS12	Pass	
CWT exceeded	12	1700 PEG12	Pass	
1CF.080-2	xy=12	1790 DTS13	rass	
CWT exceeded	xy=13	1790 DTS14	Pass	
1CE 090 2		1 1/90 121514	rass	
1CF.080-2	Ay-13			
1CF.080-2 CWT exceeded 1CF.080-2	xy=14	1790 DTS15	Pass	



lumber	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
CF.081-1	xy	-		Option NOT
BWT exceeded in response to an S-request block	x=0 to 2			supported
	y=0 to 4			
CF.081-2	xy=00	1789 DTS30	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='01'			
CF.081-2	xy=01	1789 DTS31	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='11'	4500 PEGGG	D.	
CF.081-2	xy=02	1789 DTS32	Pass	
3WT exceeded in response to an S-request block CF.081-2	D=1 - TB3='21'	1789 DTS33	Pass	
BWT exceeded in response to an S-request block	xy=03 D=1 - TB3='31'	1789 D1833	1 ass	
CF.081-2	xy=04	1789 DTS34	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='41'	1707 11034	1 405	
CF.081-2	xy=10	1789 DTS40	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='01'	1.07 - 1.01		
CF.081-2	xy=11	1789 DTS41	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='11'			
CF.081-2	xy=12	1789 DTS42	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='21'			
CF.081-2	xy=13	1789 DTS43	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='31'		_	
CF.081-2	xy=14	1789 DTS44	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='41'	1500		
CF.081-2	xy=20	1789 DTS50	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='01'	1700 PEG51	Pass	
CF.081-2	xy=21	1789 DTS51	Pass	
3WT exceeded in response to an S-request block CF.081-2	D=4 - TB3='11' xy=22	1789 DTS52	Pass	
BWT exceeded in response to an S-request block	D=4 -TB3='21'	1769 D1332	1 ass	
CF.081-2	xy=23	1789 DTS53	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='31'	1707 11033		
CF.081-2	xy=24	1789 DTS54	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='41'			
CF.081-1 BIS	Xy	-		Option NOT
BWT exceeded in response to an I-block, R-block or	x=0 to 2			supported
S-response	y=0 to 4			
CF.081-2 BIS	xy=00	1789 DTS00	Pass	
BWT exceeded in response to an I-block, R-block or	D=1			
S-response	TB3='01'			
CF.081-2 BIS	xy=01	1789 DTS01	Pass	
BWT exceeded in response to an I-block, R-block or	D=1			
S-response	TB3='11'	1700 DT002	Pass	
CF.081-2 BIS 3WT exceeded in response to an I-block, R-block or	xy=02 D=1	1789 DTS02	Pass	
S-response	TB3='21'			
CF.081-2 BIS	xy=03	1789 DTS03	Pass	
BWT exceeded in response to an I-block, R-block or	D=1	1707 11303	1 433	
S-response	TB3='31'			
CF.081-2 BIS	xy=04	1789 DTS04	Pass	
BWT exceeded in response to an I-block, R-block or	D=1			
S-response	TB3='41'			
CF.081-2 BIS	xy=10	1789 DTS10	Pass	
BWT exceeded in response to an I-block, R-block or	D=2			
S-response	TB3='01'			
CF.081-2 BIS	xy=11	1789 DTS11	Pass	
BWT exceeded in response to an I-block, R-block or	D=2		1	
S-response	TB3='11'			
CF.081-2 BIS	xy=12	1789 DTS12	Pass	
KW Lavagadad in rachonca to on I blook D blook on	D=2		1	
BWT exceeded in response to an I-block, R-block or		i i		1
S-response	TB3='21'	1700 DE012	Desa	
	xy=13 D=2	1789 DTS13	Pass	

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.081-2 BIS	xy=14	1789 DTS14	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1707 2 101 .		
S-response	TB3='41'			
1CF.081-2 BIS	xy=20	1789 DTS20	Pass	
	xy=20 D=4	1789 D1320	1 455	
BWT exceeded in response to an I-block, R-block or				
S-response	TB3='01'			
1CF.081-2 BIS	xy=21	1789 DTS21	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response S-response	TB3='11'			
1CF.081-2 BIS	xy=22	1789 DTS22	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='21'			
1CF.081-2 BIS	xy=23	1789 DTS23	Pass	
BWT exceeded in response to an I-block, R-block or	D=4	1707 11323		
	TB3='31'			
S-response		4500 P.5504	D	
1CF.081-2 BIS	xy=24	1789 DTS24	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='41'			
1CF.082	xy=00	1768 DTS0	Pass	
Proper then improper use of WTX	D=1			
1CF.082	xy=01	1768 DTS1	Pass	
Proper then improper use of WTX	D=2	1700 D101	1 400	
1CF.082		1768 DTS2	Pass	
	xy=02	1/08 D152	1 ass	
Proper then improper use of WTX	D=4			
1CF.083-1	Xy	-		Option NOT
WTX exceeded	x=0 to 2			supported
	y=0 to 4			
1CF.083-2	xy=00	1775 DTS00	Pass	
WTX exceeded	TB3='01' - D=1			
1CF.083-2	xy=01	1775 DTS01	Pass	
WTX exceeded	TB3='11' - D=1	1773 D1301	Luss	
		1555 DEC02	Pass	
1CF.083-2	xy=02	1775 DTS02	Pass	
WTX exceeded	TB3='21' - D=1		_	
1CF.083-2	xy=03	1775 DTS03	Pass	
WTX exceeded	TB3='31' - D=1			
1CF.083-2	xy=04	1775 DTS04	Pass	
WTX exceeded	TB3='41' - D=1			
1CF.083-2	xy=10	1775 DTS10	Pass	
WTX exceeded	TB3='01' - D=2	1770 2 1510		
1CF.083-2		1775 DTS11	Pass	
	xy=11	1773 D1311	1 455	
WTX exceeded	TB3='11' - D=2			
1CF.083-2	xy=12	1775 DTS12	Pass	
WTX exceeded	TB3='21' - D=2			
1CF.083-2	xy=13	1775 DTS13	Pass	
WTX exceeded	TB3='31' - D=2			
1CF.083-2	xy=14	1775 DTS14	Pass	
WTX exceeded	TB3='41' - D=2	1,75 51517	_ 3.00	
1CF.083-2		1775 DTC20	Pass	
	xy=20	1775 DTS20	1 488	
WTX exceeded	TB3='01' - D=4	400000000	-	
1CF.083-2	xy=21	1775 DTS21	Pass	
WTX exceeded	TB3='11' - D=4			
1CF.083-2	xy=22	1775 DTS22	Pass	
WTX exceeded	TB3='21' - D=4			
1CF.083-2	xy=23	1775 DTS23	Pass	
WTX exceeded	TB3='31' - D=4	1.70 2 1020		
1CF.083-2	xy=24	1775 DTS24	Pass	
	*	11/3 D1324	1 488	
WTX exceeded	TB3='41' - D=4			
1CF.084 - Option 1	xy=00	1771 DTS	Pass	
Not chaining – Transmission error then notification on				
an I-Block	<u> </u>			
1CF.084 - Option 1	xy=01	1771 DTS	Pass	
	" " "	1 2		
Not chaining – Transmission error then notification on				

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.084 - Option 1	xy=02	1771 DTS	Pass	
Not chaining – Transmission error then notification on				
an I-Block				
1CF.084 Option 2	y=0	-		Option NOT
Not chaining – transmission error then notification on				supported
an I-Block				
1CF.085	xy=00	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=01	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification			_	
1CF.085	xy=02	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=03	1771 DTS	Pass	
Not chaining - Syntax/semantic error then error				
notification				
1CF.085	xy=04	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=05	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=06	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	, oo	1,71215		
notification				
1CF.085	xy=07	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	Ny=07	1771 1010	2 435	
notification				
1CF.085	xy=08	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	ху-06	17/1 D13	1 433	
notification				
1CF.085	****-00	1771 DTS	Pass	
	xy=09	17/1 D13	1 455	
Not chaining – Syntax/semantic error then error notification				
1CF.085	10	1771 DTS	Pass	
	xy=10	1//1 D18	1 ass	
Not chaining – Syntax/semantic error then error				
notification	11	1771 DEC	D	
1CF.085	xy=11	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification	10	1551 550	D	
1CF.085	xy=12	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=13	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification			_	
1CF.086 - Option 1	xy=00	1785 DTS00	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx	1	
1CF.086 - Option 1	xy=01	1785 DTS01	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.086 - Option 1	xy=02	1785 DTS02	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.086 Option 2	xy=00	-		Option NOT supported
1CF.087	xy=00	1785 DTS03	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
- ·		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=01	1785 DTS04	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=02	1785 DTS05	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
1.000.007	02	1812 DTSxx	D	ICC
1CF.087	xy=03	1785 DTS06	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx 1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=04	1785 DTS07	Pass	ICS
Not chaining – Excess of syntax/semantic errors	Ay-04	1779 DTSxx	Luss	ics
Not channing – Excess of syntax/semantic errors		1779 DTSXX 1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=05	1785 DTS08	Pass	ICS
Not chaining – Excess of syntax/semantic errors	1.7 33	1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		1
		1793 DTSxx		
		1812 DTSxx	<u> </u>	
1CF.087	xy=06	1785 DTS09	Pass	ICS
Not chaining – Excess of syntax/semantic errors	_	1779 DTSxx		1
		1787 DTSxx		1
		1788 DTSxx		
		1793 DTSxx		1
		1812 DTSxx		
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=08	1785 DTS11	Pass	ICS
		1779 DTSxx		
		1787 DTSxx		1
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=09	1785 DTS12	Pass	ICS
		1779 DTSxx	1	
		1787 DTSxx		1
		1788 DTSxx		
		1793 DTSxx		1
		1812 DTSxx		

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number 1CF.087	vv-10	Test Script 1785 DTS13	Pass	ICS Comment
	xy=10	1785 DTS13 1779 DTSxx	Pass	ics
Not chaining – Excess of syntax/semantic errors		1779 DTSxx 1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
4 077 007		1812 DTSxx	D	100
1CF.087	xy=11	1785 DTS14	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=12	1785 DTS15	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=13	1785 DTS20	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.088	xy=00	1770 DTS1	Pass	
NOT chaining – 1 or 2 transmission errors	·			
1CF.088	xy=10	1770 DTS1	Pass	
NOT chaining – 1 or 2 transmission errors				
1CF.088	xy=20	1770 DTS1	Pass	
NOT chaining – 1 or 2 transmission errors	1-7 = 4			
1CF.088	xy=01	1770 DTS2	Pass	
NOT chaining – 1 or 2 transmission errors	Ny-01	1770 1152	2 435	
1CF.088	xy=11	1770 DTS2	Pass	
NOT chaining – 1 or 2 transmission errors	Xy-11	1770 D132	Luss	
1CF.088	xy=21	1770 DTS2	Pass	
NOT chaining – 1 or 2 transmission errors	Xy-21	1770 D132	1 455	
1CF.089	00	1770 DTS1	Pass	
	xy=00	17/0 D151	1 ass	
NOT chaining – Syntax/semantic error	01	1770 DTC1	Pass	
1CF.089	xy=01	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error		4550 DEG4	D.	
1CF.089	xy=02	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=03	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error			_	
1CF.089	xy=04	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=05	1770 DTS1	Pass	
NOT chaining - Syntax/semantic error				
1CF.089	xy=06	1770 DTS1	Pass	
NOT chaining - Syntax/semantic error			1	
1CF.089	xy=07	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=08	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=09	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error	Ay-07	1770 D151	1 400	
1CF.089	xy=10	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error	xy-10	1770 D131	1 433	
1CF.089	vv=11	1770 DTC1	Pass	+
ICI:.007	xy=11	1770 DTS1	rass	
MOT abaining Crimtory/ac				
NOT chaining – Syntax/semantic error 1CF.089	xy=12	1770 DTS1	Pass	



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.089	xy=13	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.090	xy=00	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=01	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=02	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	,			
1CF.090	xy=03	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	, oz	1770 2 152		
1CF.090	xy=04	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	NJ-01	1770 15152		
1CF.090	xy=05	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	Ay-03	1770 D132	Luss	
1CF.090	xy=06	1770 DTS2	Pass	
	ху=00	1770 D132	1 433	
NOT chaining – 2 Syntax/semantic errors	00	1770 DTC2	Pass	
1CF.090	xy=08	1770 DTS2	rass	
NOT chaining – 2 Syntax/semantic errors	00	1770 DEGG	Pass	
1CF.090	xy=09	1770 DTS2	Pass	1
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=10	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors			<del> </del>	
1CF.090	xy=11	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=12	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=13	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.091 - Option 1	xy=00	1772 DTS	Pass	
Not chaining – Transmission error then notification on				
R-Block				
1CF.091 - Option 1	xy=01	1772 DTS	Pass	
Not chaining – Transmission error then notification on				
R-Block				
1CF.091 - Option 1	xy=02	1772 DTS	Pass	
Not chaining – Transmission error then notification on	_			
R-Block				
1CF.091 - Option 2	xy=00	-		Option NOT
Not chaining – Transmission error then notification on				supported
R-Block				11
1CF.092	xy=00	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	11, 00	1		
on R-Block				
1CF.092	xy=01	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	, 01	1772315		
on R-Block				
1CF.092	xy=02	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	13-02	11/2 D15	1 433	1
on R-Block			1	1
1CF.092	xy=03	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	Ay-03	1772 D15	1 433	
on R-Block			1	1
1CF.092	ww-04	1772 DEC	Pass	
Not chaining – Syntax/semantic error then notification	xy=04	1772 DTS	1 455	
• •			1	1
on R-Block	0.5	1770 DEG	D	1
1CF.092	xy=05	1772 DTS	Pass	1
Not chaining – Syntax/semantic error then notification			1	
on R-Block	0.5	4556	+ -	1
1CF.092	xy=06	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification			1	1
on R-Block				



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.092	xy=07	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification on R-Block				
1CF.092	xy=08	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification on R-Block	, 00	17,2315		
1CF.092	vv-00	1772 DTS	Pass	
$Not\ chaining-Syntax/semantic\ error\ then\ notification$	xy=09	1772 D13	1 dss	
on R-Block 1CF.092	xy=10	1772 DTC	Pass	
Not chaining – Syntax/semantic error then notification	xy=10	1772 DTS	Fass	
on R-Block 1CF.092	1.1	1772 DTG	Pass	
Not chaining – Syntax/semantic error then notification	xy=11	1772 DTS	1 ass	
• •				
on R-Block 1CF.092	12	1772 DTC	Pass	
Not chaining – Syntax/semantic error then notification	xy=12	1772 DTS	rass	
on R-Block				
1CF.092	xy=13	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	,-15	1772 113	2 400	
on R-Block				
1CF.093	xy=00	1774 DTS	Pass	Option 1
Option 1 or option 2		1220		- F
Not chaining – 2 Transmission errors then notification				
on R-Block				
1CF.094	xy=00	1774 DTS	Pass	
Not chaining – 2 Syntax/semantic errors then				
notification on R-Block				
1CF.095 - Option 1	xy=00	1808 DTS01	Pass	
Not chaining – Transmission error in response to S-				
Block				
1CF.095 - Option 1	xy=01	1808 DTS02	Pass	
Not chaining – Transmission error in response to S-				
Block				
1CF.095 - Option 1	xy=02	1808 DTS03	Pass	
Not chaining – Transmission error in response to S-				
Block				
1CF.095 Option 2	xy=00	-		Option NOT
Not chaining – Transmission error in response to S-Block				supported
1CF.096	xy=00	1808 DTS04	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block				
1CF.096	xy=01	1808 DTS05	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block	02	1000 PEGO	Dc	
1CF.096	xy=02	1808 DTS06	Pass	
Not chaining – Syntax/semantic error in response to S-Block			1	
1CF.096	ww_02		Pass	
Not chaining – Syntax/semantic error in response to S-	xy=03	1808 DTS07	1 ass	
Block		1000 D130/	1	
1CF.096	xy=04		Pass	
Not chaining – Syntax/semantic error in response to S-	13-04	1808 DTS08	1 433	
Block		1000 11000	1	
1CF.096	xy=05		Pass	
Not chaining – Syntax/semantic error in response to S-	1.5-05	1808 DTS09		
Block		1000 11007	1	
1CF.096	xy=06		Pass	
Not chaining – Syntax/semantic error in response to S-	,	1808 DTS10		
Block	I		1	1



Test Case	Subtest Case	Laboratory	Results	Laboratory
Number	07	Test Script	D	Comment
1CF.096	xy=07	1808 DTS11	Pass	
Not chaining – Syntax/semantic error in response to S-Block				
1CF.096	xv=08	1808 DTS12	Pass	
Not chaining – Syntax/semantic error in response to S-	xy=06	1606 D1312	1 433	
Block				
1CF.096	xy=09	1808 DTS13	Pass	
Not chaining – Syntax/semantic error in response to S-	Ny-07	1000 B1515		
Block				
1CF.096	xy=10	1808 DTS14	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block				
1CF.096	xy=11	1808 DTS15	Pass	
Not chaining - Syntax/semantic error in response to S-				
Block				
1CF.097 - Option 1	xy=00	1809 DTS01	Pass	
Not chaining – Transmission error in response to S-				
Block then error notification				
1CF.097 - Option 1	xy=01	1809 DTS02	Pass	
Not chaining – Transmission error in response to S-			1	
Block then error notification				
1CF.097 - Option 1	xy=02	1809 DTS03	Pass	
Not chaining – Transmission error in response to S-				
Block then error notification				
1CF.097 Option 2	xy=00	-		Option NOT
Not chaining – Transmission error in response to S-				supported
Block then error notification	00	1000 DTG04	Dogg	
1CF.098	xy=00	1809 DTS04	Pass	
Not chaining – Syntax/semantic error in response to S-Block then error notification				
1CF.098	xy=01		Pass	
Not chaining – Syntax/semantic error in response to S-	Xy=01	1809 DTS05	1 433	
Block then error notification		1609 D1303		
1CF.098	xy=02		Pass	
Not chaining – Syntax/semantic error in response to S-	Ay-02	1809 DTS06	1 455	
Block then error notification		1007 11500		
1CF.098	xy=03		Pass	
Not chaining – Syntax/semantic error in response to S-	1.5	1809 DTS07		
Block then error notification				
1CF.098	xy=04		Pass	
Not chaining - Syntax/semantic error in response to S-	*	1809 DTS08		
Block then error notification				
1CF.098	xy=05		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS09		
Block then error notification				
1CF.098	xy=06		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS10		
Block then error notification			1	
1CF.098	xy=07		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS11		
Block then error notification			1	
1CF.098	xy=08	4000	Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS12		
Block then error notification	00		D <sub>c</sub>	
1CF.098	xy=09	1000 DTC12	Pass	
Not chaining – Syntax/semantic error in response to S-Block then error notification		1809 DTS13		1
1CF.098	vv-10		Pass	
	xy=10	1900 DTC14	rass	1
Not chaining – Syntax/semantic error in response to S-		1809 DTS14		
Block then error notification	ì		1	
Block then error notification	vv-11		Pacc	
Block then error notification 1CF.098 Not chaining – Syntax/semantic error in response to S-	xy=11	1809 DTS15	Pass	



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.099	xy=00		Pass	
Not chaining – error notification on I-Block	Ť	1769 DTS1		
1CF.100 Not chaining – 2 error notifications on I-Block	xy=00	1769 DTS2	Pass	
1CF.101 Not chaining – Excess of error notifications on I-Block	xy=00	1786 DTS 1793 DTS	Pass	Resynch supported
	00		Pass	supported
1CF.102 - Option 1 Not chaining – Transmission error then S(IFS request)	xy=00	1807 DTS01	Pass	
1CF.102 - Option 1 Not chaining – Transmission error then S(IFS request)	xy=01	1807 DTS02	Pass	
1CF.102 - Option 1	xy=02	1807 DTS03	Pass	
Not chaining – Transmission error then S(IFS request)	00			Ontine NOT
1CF.102 Option 2 Not chaining – Transmission error then S(IFS request)	xy=00	-		Option NOT supported
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS request)	xy=00	1807 DTS04		
1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=01	1807 DTS05		
request) 1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=02	1807 DTS06	rass	
request)				
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=03	1807 DTS07		
request)				
1CF.103		1005 5500	Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=04	1807 DTS08		
request)			D.	
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=05	1807 DTS09		
request)			Pass	
1CF.103	06	1007 DTC10	rass	
Not chaining – Syntax/semantic error then S(IFS	xy=06	1807 DTS10		
request)			Pass	
1CF.103	07	1807 DTS11	rass	
Not chaining – Syntax/semantic error then S(IFS	xy=07	1807 D1511		
request)			Pass	
	00	1807 DTS12	rass	
Not chaining – Syntax/semantic error then S(IFS	xy=08	100/ 11312		
request) 1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=09	1807 DTS13	1 488	
request)	лу-09	100/ 11313		1
1CF.103			Pass	+
Not chaining – Syntax/semantic error then S(IFS	xy=10	1807 DTS14	1 433	
request)	Ay-10	100/ 11314		
1CF.103			Pass	+
Not chaining – Syntax/semantic error then S(IFS	xy=11	1807 DTS15	1 455	1
request)	Ay-11	1007 11313		1
1CF.103			Pass	+
Not chaining – Syntax/semantic error then S(IFS	xy=12	1807 DTS16	1 433	1
request)	Ay-12	100/ 1010	1	
1CF.103			Pass	+
Not chaining – Syntax/semantic error then S(IFS	xy=13	1807 DTS17	1 433	
request)	Ay-13	100/ 101/	1	1
1CF.104			Pass	1
	vv-00	1797 DTS	1 488	1
Not chaining – Error notification on S(IFS request) then S(IFS resonse)	xy=00	1/9/ 1/13	1	
1CF.105 - Option 1			Pass	1
. TCF.103 - ODUOH I	1	1	rass	1
Not chaining – Transmission error in response to	xy=00	1804 DTS00		

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.105 - Option 1	0.4	1004 5 7 7 7 1	Pass	
Not chaining – Transmission error in response to	xy=01	1804 DTS01		
S(IFS request) then S(IFS response)			D.	
1CF.105 - Option 1		1004 5 5 500	Pass	
Not chaining – Transmission error in response to	xy=02	1804 DTS02		
S(IFS request) then S(IFS response)				O I NOT
1CF.105 Option 2				Option NOT
Not chaining – Transmission error in response to	xy=00	-		supported
S(IFS request) then S(IFS response)			<b>D</b>	
1CF.106		1004 5 7700	Pass	
Not chaining – Syntax/semantic error in response to	xy=00	1804 DTS03		
S(IFS request) then S(IFS response)			- D	
1CF.106	0.4	1004 5 77004	Pass	
Not chaining – Syntax/semantic error in response to	xy=01	1804 DTS04		
S(IFS request) then S(IFS response)			-	
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=02	1804 DTS05		
S(IFS request) then S(IFS response)			-	
1CF.106	02	100 / 75-55	Pass	1
Not chaining – Syntax/semantic error in response to	xy=03	1804 DTS06		
S(IFS request) then S(IFS response)			_	
1CF.106		100:	Pass	
Not chaining – Syntax/semantic error in response to	xy=04	1804 DTS07		
S(IFS request) then S(IFS response)			_	
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=05	1804 DTS08		
S(IFS request) then S(IFS response)			_	
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=06	1804 DTS09		
S(IFS request) then S(IFS response)			_	
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=07	1804 DTS10		
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=08	1804 DTS11		
S(IFS request) then S(IFS response)			_	
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=09	1804 DTS12		
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=10	1804 DTS13		
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=11	1804 DTS14		1
S(IFS request) then S(IFS response)			<u> </u>	
1CF.107	xy=00	1806 DTS	Pass	1
Not chaining – Error notification on S(IFS response)			1	
1CF.108 - Option 1	xy=00	1794 DTS1	Pass	1
Not chaining – 1 or 2 transmission errors then S(WTX				1
request)				
1CF.108 - Option 1	xy=01	1794 DTS2	Pass	1
Not chaining – 1 or 2 transmission errors then S(WTX				1
request)				
1CF.108 - Option 1	xy=10	1794 DTS1	Pass	1
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 - Option 1	xy=11	1794 DTS2	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 - Option 1	xy=20	1794 DTS1	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				1
request)			İ	



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.108 - Option 1	xy=21	1794 DTS2	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 Option 2	xy=00	-		Option NOT
Not chaining – 1 or 2 transmission errors then S(WTX	xy=01			supported
request				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=00			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=01			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=02			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=03	177.12.22		
request)	<i>n</i> , 00			
1CF.109	1	1794 DTS1	Pass	1
Not chaining – Transmission error then S(WTX	xy=04	1//12101		1
request)	, .			1
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=05	1774 D151	1 400	
request)	KJ-05			
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=06	1774 D151	T uss	
request)	ху=00			
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=07	1794 D131	1 433	
request)	Xy=07			
1CF.109		1794 DTS1	Pass	
	00	1/94 D131	1 435	
Not chaining – Transmission error then S(WTX	xy=08			
request)		1704 DTC1	Pass	
1CF.109	00	1794 DTS1	rass	
Not chaining – Transmission error then S(WTX	xy=09			
request)		1704 DTC1	Pass	
1CF.109	10	1794 DTS1	rass	
Not chaining – Transmission error then S(WTX	xy=10			
request)		1704 DEG1	D	
1CF.109	11	1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=11			
request)	<del> </del>	1704 DE01	D	+
1CF.109	12	1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=12			1
request)		1704 DEG1	Pass	
1CF.109	12	1794 DTS1	rass	1
Not chaining – Transmission error then S(WTX	xy=13			
request)	00	1504 PEGG	D.	1
1CF.110	xy=00	1794 DTS2	Pass	1
Not chaining – 2 transmission errors then S(WTX				
request	0.1	150 / 5000		1
1CF.110	xy=01	1794 DTS2	Pass	1
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=02	1794 DTS2	Pass	1
Not chaining – 2 transmission errors then S(WTX				
request			1	
1CF.110	xy=03	1794 DTS2	Pass	1
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=04	1794 DTS2	Pass	
	i .		1	i
Not chaining – 2 transmission errors then S(WTX				



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.110	xy=05	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	1.7 32	177.12.22		
request				
1CF.110	xy=06	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	11, 00	1,7,1,51,52		
request				
1CF.110	xy=08	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	Ay-00	1774 15152	1 400	
request				
1CF.110	xy=09	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	Ху-09	1794 D132	1 433	
request				
1CF.110	10	1794 DTS2	Pass	
	xy=10	1794 D132	1 433	
Not chaining – 2 transmission errors then S(WTX				
request			-	
1CF.110	xy=11	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=12	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX			1	
request				
1CF.110	xy=13	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.111	xy=00	1795 DTS	Pass	
Not chaining – Error notification on S(WTX request)				
1CF.112 -Option 1	xy=00	1776 DTS	Pass	
Chaining – Transmission error	1-5			
1CF.112 - Option 1	xy=01	1776 DTS	Pass	
Chaining – Transmission error	Ny-01	1770 1515		
1CF.112 - Option 1	xy=02	1776 DTS	Pass	
Chaining – Transmission error	Ny-02	1770 1515		
1CF.112 Option 2	xy=00	-		Option NOT
Chaining – Transmission error	Ay-00			supported
1CF.113	xy=00	1776 DTS	Pass	supported
Chaining – Syntax/semantic error	Ay-00	1770 D15	1 400	
1CF.113	xy=01	1776 DTS	Pass	
Chaining – Syntax/semantic error	ху-01	1770 D13	1 433	
1CF.113	02	1776 DTS	Pass	
	xy=02	1770 D13	1 ass	
Chaining – Syntax/semantic error	02	177 C D.T.C	Pass	
1CF.113	xy=03	1776 DTS	rass	
Chaining – Syntax/semantic error	0.1	155 5 5 5 5		
1CF.113	xy=04	1776 DTS	Pass	
Chaining – Syntax/semantic error			+	
1CF.113	xy=05	1776 DTS	Pass	
Chaining – Syntax/semantic error			_	
1CF.113	xy=06	1776 DTS	Pass	
Chaining – Syntax/semantic error				
1CF.113	xy=07	1776 DTS	Pass	
Chaining – Syntax/semantic error				
1CF.113	xy=08	1776 DTS	Pass	
Chaining – Syntax/semantic error	'		1	
1CF.113	xy=09	1776 DTS	Pass	
Chaining – Syntax/semantic error			1	
1CF.113	xy=10	1776 DTS	Pass	1
Chaining – Syntax/semantic error	Ay-10	1770 D15	1 400	
1CF.113	vv-11	1776 DTS	Pass	+
	xy=11	1//0 D12	rass	
Chaining – Syntax/semantic error	00	1501 PECC1	D	+
1CF.114 - Option 1	xy=00	1781 DTS01	Pass	
Chaining – Excess of transmission errors	0.0	4-0.5	+ -	-
1CF.114 - Option 1	xy=01	1781 DTS02	Pass	
Chaining – Excess of transmission errors				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.114 - Option 1	xy=02	1781 DTS03	Pass	
Chaining – Excess of transmission errors 1CF.114 Option 2	xy=00	-		Option NOT
Chaining – Excess of transmission errors	,			supported
1CF.115	xy=00	1781 DTS04	Pass	
Chaining – Excess of Syntax/semantic errors 1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=01	1781 DTS05		
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=02	1781 DTS06	Pass	
1CF.115	0.2	1501 55505	Pass	
Chaining – Excess of Syntax/semantic errors	xy=03	1781 DTS07		
1CF.115	xy=04	1781 DTS08	Pass	
Chaining – Excess of Syntax/semantic errors 1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=05	1781 DTS09		
1CF.115	xy=06	1781 DTS10	Pass	
Chaining – Excess of Syntax/semantic errors 1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=07	1781 DTS11		
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=08	1781 DTS12	Pass	
1CF.115	0.0	1501 55510	Pass	
Chaining – Excess of Syntax/semantic errors	xy=09	1781 DTS13		
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=10	1781 DTS14	Pass	
1CF.115	1.1	1501 PEG15	Pass	
Chaining – Excess of Syntax/semantic errors	xy=11	1781 DTS15		
1CF.116 Chaining – Excess of Error notifications	xy=00	1780 DTS 1787 DTS	Pass	
Chaining – Excess of Error nouncations		1767 D13		
1CF.117	xy=00 - D=1	1792 DTS0	Pass	
Chaining – Reception of S(ABORT request)  1CF.117	xy=01 - D=2	1792 DTS1	Pass	
Chaining – Reception of S(ABORT request)	xy=01 - D=2	1792 D131	1 433	
1CF.117	xy=02 - D=4	1792 DTS2	Pass	
Chaining – Reception of S(ABORT request)	xy=00	1777 DTS	Pass	
Chaining – Error notification on R-Block	Ay-00	1777 1515	1 400	
1CF.119 - Option 1	xy=00	1778 DTS	Pass	
Chaining – Transmission error in response to R-Block 1CF.119 - Option 1	xy=01	1778 DTS	Pass	
Chaining – Transmission error in response to R-Block	xy=01	1776 D15	1 455	
1CF.119 - Option 1	xy=02	1778 DTS	Pass	
Chaining – Transmission error in response to R-Block 1CF.119 Option 2	xy=00	-		Option NOT
Chaining – Transmission error in response to R-Block	xy=00			supported
1CF.120	xy=00	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block				
1CF.120	xy=01	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block 1CF.120	xy=02	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	J ==	27.0210		
Block	02	1550 P.M.	D <sub>r</sub>	
	xy=03	1778 DTS	Pass	
Block			<u> </u>	
1CF.120	xy=04	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block				
1CF.120 Chaining – Syntax/semantic error in response to R-	xy=03 xy=04	1778 DTS	Pass Pass	

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.120	xy=05	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block				
1CF.120	xy=06	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block				
1CF.120	xy=07	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Ny-07	1770 515		
1CF.120	xy=08	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Xy=00	1776 D13	1 435	
1CF.120	xy=09	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Xy=09	1778 D13	1 435	
1CF.120	xy=10	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Xy=10	1778 D13	1 433	
1CF.120	xy=11	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Ay-11	1//0 DIS	1 455	
1CF.120	xy=12	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block	Xy-12	1//6 DIS	1 488	
1CF.120	xy=13	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	xy=13	1778 D13	1 dss	
Block	00	1704 DTC	Pass	
1CF.121 - Option 1	xy=00	1784 DTS	rass	
Chaining – Error notification on last block of a chain				
then transmission errors in a chain	ww_01	1704 DTG	Pass	
1CF.121 - Option 1	xy=01	1784 DTS	rass	
Chaining – Error notification on last block of a chain then transmission errors in a chain				
1CF.121 - Option 1	xy=02	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	Ay-02	1/04 DIS	1 ass	
then transmission errors in a chain				
1CF.121 Option 2	xy=00	_		Option NOT
Chaining – Error notification on last block of a chain	ху-00			supported
then transmission errors in a chain				вирропец
1CF.122	xy=00	1783 DTS	Pass	
Chaining – Error notification on last block of a chain	1., 00	1783 DTS	_ 300	
then Syntax/semantic errors in a chain			1	
1CF.122	xy=01	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=02	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=03	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	
then Syntax/semantic errors in a chain				
1CF.122	xy=04	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	
then Syntax/semantic errors in a chain				
1CF.122	xy=05	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain	0.6	170 / 577		
1CF.122	xy=06	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain	0.7	170 / 577		
1CF.122	xy=07	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	
then Syntax/semantic errors in a chain				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.122	xy=08	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	<b>3</b> • • •			
1CF.122	xy=09	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain				
1CF.122	xy=10	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain				
1CF.122	xy=11	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain		1.0.2.2		
1CF.122	xy=12	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	., 12	170.215		
1CF.122	xy=13	1784 DTS	Pass	
Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	Ny=13	170.215		
1CF.124	xy=00	1781 DTS01	Pass	
Chaining – Excess of errors with different deactivation	D=1- BWI=0	to	1 400	
delays	D-1 BWI-0	1781 DTS15		
1CF.124	xy=01	1781 DTS13	Pass	
Chaining – Excess of errors with different deactivation	D=1 – BWI=1	1703 D1321	1 433	
delays	D=1 - D W1-1			
1CF.124	xy=02	1785 DTS22	Pass	
	xy=02 D=1 – BWI=2	1/85 D1822	rass	
Chaining – Excess of errors with different deactivation	D=1-BWI=2			
delays	02	1705 DTG02	Pass	
1CF.124	xy=03	1785 DTS23	rass	
Chaining – Excess of errors with different deactivation	D=1 – BWI=3			
delays	0.4	1505 PEGA 4	Dogg	
1CF.124	xy=04	1785 DTS24	Pass	
Chaining – Excess of errors with different deactivation	D=1 – BWI=4			
delays	10	1505 P.5000	D	
1CF.124	xy=10	1785 DTS30	Pass	
Chaining – Excess of errors with different deactivation	D=2 - BWI=0			
delays	4.4	1505 P.5001	D	
1CF.124	xy=11	1785 DTS31	Pass	
Chaining – Excess of errors with different deactivation	D=2 – BWI=1			
delays	10	1505 PEGGG	- D	
1CF.124	xy=12	1785 DTS32	Pass	
Chaining – Excess of errors with different deactivation	D=2 – BWI=2			
delays	12	1505 DECCC	D.	1
1CF.124	xy=13	1785 DTS33	Pass	
Chaining – Excess of errors with different deactivation	D=2 - BWI=3		1	1
delays	1.4	1505 DECC 1	D.	1
1CF.124	xy=14	1785 DTS34	Pass	
Chaining – Excess of errors with different deactivation	D=2 - BWI=4			
delays			<del> </del>	
1CF.124	xy=20	1785 DTS40	Pass	
Chaining – Excess of errors with different deactivation	D=4 – BWI=0		1	
delays			<del> </del>	1
1CF.124	xy=21	1785 DTS41	Pass	
Chaining – Excess of errors with different deactivation	D=4 – BWI=1		1	1
delays			_	
1CF.124	xy=22	1785 DTS42	Pass	1
Chaining – Excess of errors with different deactivation	D=4 – BWI=2		1	
delays				
1CF.124	xy=23	1785 DTS43	Pass	
Chaining – Excess of errors with different deactivation	D=4 - BWI=3		1	1
delays				
1CF.124	xy=24	1785 DTS44	Pass	
101.121				
Chaining – Excess of errors with different deactivation	D=4 - BWI=4			

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.126	xy=00	1813 DTS00	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS00		
request)- deactivation				
1CF.126	xy=01	1813 DTS10	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS10		
request)- deactivation				
1CF.126	xy=02	1813 DTS20	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS20		
request)- deactivation				

NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

## 8.6 Configuration 1: Terminal Transport Layer at Nominal Temperature

Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comments
1CF.151	xy=00	1701 DTS0	Pass	
Case 1 command				
1CF.152	xy=00	1702 DTS00	Pass	
Case 2 command with 6C		1734 DTS		
1CF.153	xy=00	1725 DTS	Pass	
Case 2 command – Error status		1744 DTS1		
1CF.154	xy=00	1709 DTS0	Pass	
Case 2 command with 6C and 61				
1CF.155	xy=00	1701 DTS0	Pass	
Case 3 command		1738 DTSx		
1CF.156	xy=00	1701 DTS0	Pass	
Case 4 command				
1CF.157	xy=00	1709 DTS0	Pass	
Case 4 command with 61				
1CF.158	xy=00	1709 DTS0	Pass	
Case 4 command – Warning following 61	ху=00	1709 D130		
1CF.158	xy=01	1709 DTS0	Pass	
Case 4 command – Warning following 61	ху-01	1709 D130		
1CF.159	xy=00	1740 DTS1	Pass	
Case 4 command – Status after command data		1740 DTS2		
		1740 DTS3		
1CF.159			Pass	
Case 4 command – Status after command data	xy=01	1741 DTS1	1 455	
Cuse i communa Status arter communa data		1741 DTS2		
1CF.160	xy=00	1742 DTS1	Pass	
Case 4 command – Error notification following	NJ=00	17.12.0151		
response data after 61				
1CF.160	xy=01	1742 DTS2	Pass	
Case 4 command – Error notification following	1.7 **	17.12.22		
response data after 61				
1CF.160	xy=02	1742 DTS3	Pass	
Case 4 command – Error notification following				
response data after 61				
1CF.160	xy=03	1742 DTS4	Pass	
Case 4 command – Error notification following	,			
response data after 61				
1CF.161	xy=00	1743 DTS1	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.161	xy=01	1743 DTS2	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				

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ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case- not mandatory

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comments
1CF.161	xy=02	1743 DTS3	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.161	xy=03	1743 DTS4	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.162	xy=00	1744 DTS1	Pass	
Case 2, 3, 4 command – Status after command header				
1CF.162	xy=01	1744 DTS2	Pass	
Case 2, 3, 4 command – Status after command header				
1CF.162	xy=02	1744 DTS3	Pass	
Case 2, 3, 4 command – Status after command header		ENDDTS		

NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

## 8.7 Configuration 2: Answer to Reset at Nominal Temperature

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.001	xy=00	1703 DTS01	Pass	
Valid minimum inter- character interval during ATR		1703 DTS02		
1CE.002	xy=00	1703 DTS11	Pass	
Valid maximum inter- character interval during ATR		1703 DTS12		
1CE.003	xy=00	1703 DTS21	Pass	
Cold ATR global time				
1CE.004	xy=00	1703 DTS22	Pass	
Warm ATR global time				
1CE.005	xv=00	1718 DTS00	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
, 1	TA1='11'			
1CE.005	xy=10	1718 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
, 1	TA1='12'			
1CE.005	xy=20	1718 DTS20	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
, ,	TA1='13'			
1CE.005	xy=30	1720 DTS00	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
	TA1='11'			
1CE.005	xy=40	1720 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
•	TA1='12'			
1CE.005	xy=50	1720 DTS20	Pass	
ETU measurement, specific mode, cold reset	T=0 direct convention			
•	TA1='13'			
1CE.005	xy=01	1718 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention			
•	TA1='11'			
1CE.005	xy=11	1718 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention			
	TA1='12'			
1CE.005	xy=21	1718 DTS50	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention			
	TA1='13'			

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S- Supplementary Test Case- not mandatory



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.005	xy=31	1720 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention			
,,,,,	TA1='11'			
1CE.005	xy=41	1720 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention			
,,,,,	TA1='12'			
1CE.005	xy=51	1720 DTS50	Pass	
ETU measurement, specific mode, cold reset	T=0 inverse convention	1720 D1330	T uss	
ETO measurement, specific mode, cold reset	TA1='13'			
1CE.005	xy=02	1750 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention	1730 D1310	1 433	
ETO measurement, specific mode, cold reset	TA1='11'			
1CE.005	xy=12	1750 DTS30	Pass	
	•	1/30 D1330	1 ass	
ETU measurement, specific mode, cold reset	T=1 direct convention			
	TA1='12'		D	
ICE.005	xy=22	1750 DTS50	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention			
1.000.007	TA1='13'			
1CE.005	xy=32	1752 DTS00	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention			
	TA1='11'			
1CE.005	xy=42	1752 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention			
	TA1='12'			
1CE.005	xy=52	1752 DTS20	Pass	
ETU measurement, specific mode, cold reset	T=1 direct convention			
•	TA1='13'			
1CE.005	xy=03	1751 DTS10	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention			
,,	TA1='11'			
1CE.005	xy=13	1751 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention	1701 2 1500		
210 measurement, specific mode, cold leset	TA1='12'			
1CE.005	xy=23	1751 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention	1731 21310		
210 measurement, specific mode, cold leset	TA1='13'			
1CE.005	xy=33	1752 DTS30	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention	1732 1530	1 433	
ETO measurement, specific mode, cold reset	TA1='11'			
1CE.005	xy=43	1752 DTS40	Pass	
ETU measurement, specific mode, cold reset	T=1 inverse convention	1752 D1540	1 433	
ETO measurement, specific mode, cold reset	TA1='12'			
1CE.005		1752 DTS50	Pass	
	xy=53	1/32 D1830	rass	
ETU measurement, specific mode, cold reset	T=1 inverse convention TA1='13'			
1 CT 00 C		1710 P.T.CO1	D	
1CE.006	xy=00	1718 DTS01	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention	1717-DTS03		
	TA1='11'			
1CE.006	xy=10	1718 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention	1717 DTS11		
	TA1='12'			
1CE.006	xy=20	1718 DTS21	Pass	
ETU measurement, specific mode, warm reset	T=0 direct convention	1717 DTS12		
	TA1='13'			
1CE.006	xy=01	1717 DTS04	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention	1718 DTS31		
	TA1='11'			
1CE.006	xy=11	1718 DTS41	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention			
<del>-</del>	TA1='12'			
1CE.006	xy=21	1718 DTS51	Pass	
ETU measurement, specific mode, warm reset	T=0 inverse convention			
		1	1	1

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.006	xy=02	1750 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='11'			
1CE.006	xy=12	1750 DTS31	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='12'			
1CE.006	xy=22	1750 DTS51	Pass	
ETU measurement, specific mode, warm reset	T=1 direct convention TA1='13'			
1CE.006	xy=03	1751 DTS11	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='11'			
1CE.006	xy=13	1751 DTS31	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='12'			
1CE.006	xy=23	1751 DTS41	Pass	
ETU measurement, specific mode, warm reset	T=1 inverse convention TA1='13'			
1CE.007	xy=00	1702 DTS00	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='11'	1702 DTS30		
1CE.007	xy=10	1702 DTS10	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='12'	1702 DTS40		
1CE.007	xy=20	1702 DTS20	Pass	
ETU measurement, negotiable mode, cold reset	T=0 direct convention TA1='13'	1702 DTS50		
1CE.007	xy=01	1750 DTS20	Pass	
ETU measurement, negotiable mode, cold reset	T=1 direct convention TA1='11'			
1CE.007	xy=11	1750 DTS40	Pass	
ETU measurement, negotiable mode, cold reset	T=1 direct convention TA1='12'			
1CE.007	xy=21	1750 DTS60	Pass	
ETU measurement, negotiable mode, cold reset	T=1 direct convention TA1='13'			
1CE.008	xy=00	1702 DTS01	Pass	
ETU measurement, negotiable mode, warm reset	T=0 direct convention TA1='11'	1702 DTS31		
1CE.008	xy=10	1702 DTS11	Pass	
ETU measurement, negotiable mode, warm reset	T=0 direct convention	1702 DTS41		
	TA1='12'	1717 DTS11		
1CE.008	xy=20	1702 DTS21	Pass	
ETU measurement, negotiable mode, warm reset	T=0 direct convention	1702 DTS51		
1.CF 000	TA1='13'	1717 DTS12	Pass	
1CE.008 ETU measurement, negotiable mode, warm reset	xy=01 T=1 direct convention TA1='11'	1750 DTS21	Pass	
1CE.008	xy=11	1750 DTS41	Pass	+
ETU measurement, negotiable mode, warm reset	T=1 direct convention TA1='12'	1/30 D1341	1 433	
1CE.008	xy=21	1750 DTS61	Pass	
ETU measurement, negotiable mode, warm reset	T=1 direct convention TA1='13'	1730 1501	1 400	
1CE.009 T=0 inter-character timings, cold reset	xy=0 TC1 = '00'	1705 DTS00	Pass	
1CE.009	xy=01	1705 DTS10	Pass	
T=0 inter-character timings, cold reset 1CE.009	TC1 = '80' xy=02	1705 DTS10	Pass	
T=0 inter-character timings, cold reset	TC1 = 'F0'			
1CE.009 T=0 inter-character timings, cold reset	xy=03 TC1 = 'FF'	1705 DTS30	Pass	



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.009	xy=04	1705 DTS40	Pass	
T=0 inter-character timings, cold reset	TC1 = 'FE'			
1CE.010	xy=00	1800 DTS21	Pass	
T=1 inter-character timings, cold reset	TC1 = '00'	1800 DTS11		
1CE.010	xy=01	1800 DTS31	Pass	
T=1 inter-character timings, cold reset	TC1 = '1E'	1800 DTS81		
1CE.010	xy=02	1800 DTS41	Pass	
T=1 inter-character timings, cold reset	TC1 = 'FF'			
1CE.011	xy=00	1705 DTS01	Pass	
T=0 inter-character timings, warm reset	TC1 = '00'			
1CE.011	xy=01	1705 DTS11	Pass	
T=0 inter-character timings, warm reset	TC1 = '80'			
1CE.011	xy=02	1705 DTS21	Pass	
T=0 inter-character timings, warm reset	TC1 = 'F0'			
1CE.011	xy=03	1705 DTS31	Pass	
T=0 inter-character timings, warm reset	TC1 = 'FF'			
1CE.011	xy=04	1705 DTS41	Pass	
T=0 inter-character timings, warm reset	TC1 = 'FE'			
1CE.012	xy=00	1800 DTS22	Pass	
T=1 inter-character timings, warm reset	TC1 = '00'	1800 DTS12	_	
1CE.012	xy=01	1800 DTS32	Pass	
T=1 inter-character timings, warm reset	TC1 = '1E'	1800 DTS82	_	
1CE.012	xy=02	1800 DTS42	Pass	
T=1 inter-character timings, warm reset	TC1 = 'FF'			
1CE.013	xy=00	1705 DTS50	Pass	
T=0 default inter-character timings, cold reset			_	
1CE.014	xy=00	1800 DTS01	Pass	
T=1 default inter-character timings, cold reset			_	
1CE.015	xy=00	1705 DTS51	Pass	
T=0 default inter-character timings, warm reset				
1CE.016	xy=00	1800 DTS02	Pass	
T=1 default inter-character timings, warm reset			_	
1CE.017	xy=00	1701 DTS0	Pass	
Conformance after cold reset	T=0, direct			
1CE.017	xy=01	1727 DTS00	Pass	
Conformance after cold reset	T=0, inver.		-	
1CE.017	xy=02	1727 DTS10	Pass	
Conformance after cold reset	T=0, inver.		-	
1CE.017	xy=03	1800 DTS81	Pass	
Conformance after cold reset	T=1, inver.	4554 DE040	D	
1CE.017	xy=04	1751 DTS10	Pass	
Conformance after cold reset	T=1, inver.	1501 P.B.01	D	
1CE.018	xy=00	1701 DTS1	Pass	
Conformance after warm reset	T=0, direct	1505 PEG01	D	
1CE.018	xy=01	1727 DTS01	Pass	
Conformance after warm reset	T=0, inver.	1717 DT001	Dogg	
1CE.018	xy=02	1717 DTS01	Pass	
Conformance after warm reset	T=0, direct	1505 PE001	D	
1CE.018	xy=03	1727 DTS21	Pass	
Conformance after warm reset	T=0, inver.	1505 PE011	Pass	
1CE.018	xy=04	1727 DTS11	Pass	
Conformance after warm reset	T=0, inver.	1000 PEGOS	Pass	
1CE.018	xy=05	1800 DTS82	rass	
Conformance after warm reset 1CE.018	T=1, inver.	1754 DTS02	Pass	
	xy=06 T=1, inver.	1734 D1302	rass	
Conformance after warm reset		1722 DTG1	Pass	
1CE.019	xy=00 T=0	1722 DTS1	rass	
ATR longer than basic ATR – cold reset		1752 DT01	Pass	
1CE.019	xy=01	1753 DTS1	rass	
ATR longer than basic ATR – cold reset	T=1	1700 DEG2	Pass	1
1CE.020	xy=00	1722 DTS2	rass	1
ATR longer than basic ATR – warm reset	T=0			

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.020	xy=01	1753 DTS2	Pass	
ATR longer than basic ATR – warm reset	T=1			
1CE.021	xy=00	1705 DTS60	Pass	
Supported values for T0, cold reset				
1CE.021	xy=01	1751 DTS20	Pass	
Supported values for T0, cold reset				
1CE.021	xy=02	1794 DTS1	Pass	
Supported values for T0, cold reset				
1CE.022	xy=00	1705 DTS61	Pass	
Supported values for T0, warm reset		1717 DTS10		
1CE.022	xy=01	1751 DTS21	Pass	
Supported values for T0, warm reset				
1CE.022	xy=02	1800 DTS02	Pass	
Supported values for T0, warm reset				
1CE.023	xy=00	1769 DTS1	Pass	
Supported values of TB1, cold reset				
1CE.024	xy=00	1717 DTS01	Pass	
Supported values of TB1, warm reset - T=0				
1CE.024	xy=01	1717 DTS02	Pass	
Supported values of TB1, warm reset - T=0				1
1CE.024	xy=02	1754 DTS03	Pass	
Supported values of TB1, warm reset - T=1				
1CE.024	xy=03	1754 DTS04	Pass	
Supported values of TB1, warm reset - T=1				
1CE.025	xy=00	1798 DTS81	Pass	
Supported values of TD1, cold reset - T=1				
1CE.025	xy=01	1750 DTS10	Pass	
Supported values of TD1, cold reset - T=1				
1CE.026	xy=00	1717 DTS03	Pass	
Supported values of TD1,		1717 DTS14		
warm reset - T=0				
1CE.026	xy=01	1754 DTS1	Pass	
Supported values of TD1,		1798 DTS82		
warm reset - T=1	02	1750 DTC11	Pass	
1CE.026	xy=02	1750 DTS11	rass	
Supported values of TD1, warm reset - T=1				
1CE.027	xy=00	1710 DTS10	Pass	
Supported values of TC2, cold reset	xy=00	1/10 D1310	1 433	
1CE.028	xy=00	1717 DTS10	Pass	
Supported values of TC2, warm reset	Xy=00	1/1/ D1310	1 433	
1CE.029	xy=00	1715 DTS1	Pass	
Supported values of TD2, cold reset	Ay-00	1713 D131	1 455	
1CE.030	xy=00	1717 DTS13	Pass	
Supported values of TD2, warm reset	Ny=00	1/1/ 1/1/1/3	_ 300	
1CE.031	xy=00	1798 DTS91	Pass	1
Default TA3, cold reset	1., -00	1,70 21571	_ 300	
1CE.032	xy=00	1798 DTS92	Pass	1
Default TA3, warm reset	1., -00	1770 2 1572	_ 300	
1CE.033	xy=00	1800 DTS11	Pass	
Supported values of TB3, cold reset				
1CE.033	xy=01	1800 DTS21	Pass	
Supported values of TB3, cold reset				
1CE.033	xy=02	1800 DTS31	Pass	
Supported values of TB3, cold reset	•			
1CE.034	xy=00	1800 DTS12	Pass	
Supported values of TB3, warm reset	•			
1CE.034	xy=01	1800 DTS22	Pass	
Supported values of TB3, warm reset				
1CE.034	xy=02	1800 DTS32	Pass	
Supported values of TB3, warm reset				
1CE.035	xy=00	1750 DTS10	Pass	
Supported values of TC3, cold reset	•			

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.036	xy=00	1754 DTS06	Pass	
Supported values of TC3, warm reset				
1CE.037	xy=00	1727 DTS01	Pass	
Different conventions between cold and warm reset	DI – T=0	1717 DTS04	Pass	
1CE.037	xy=01 ID – T=0	1717 DTS05	Pass	
Different conventions between cold and warm reset 1CE.037		1754 DTS05	Pass	
Different conventions between cold and warm reset	xy=02 DI – T=1	1/54 D1805	rass	
1CE.037	xy=03	1754 DTS06	Pass	
Different conventions between cold and warm reset	ID – T=1	1754 D1500	1 433	
1CE.050-1	xy=00			Option NOT
ATR global time exceeded - cold reset (1)				supported
1CE.050-2	xy=00	1704 DTS10	Pass	11
ATR global time exceeded - cold reset (2)				
1CE.051-1	xy=00	-		Option NOT
ATR global time exceeded - warm reset (1)				supported
1CE.051-2	xy=00	1704 DTS11	Pass	
ATR global time exceeded - warm reset (2)				
1CE.052-1	xy=00	1708 DTS10	Pass	
ATR inter-character delay exceeded, - cold reset (1)	0.0	1708 DTS40		
1CE.052-2	xy=00	1704 DTS00	Pass	
ATR inter-character delay exceeded, - cold reset (2)	00	1700 PEG11	Pass	
1CE.053-1	xy=00	1708 DTS11	Pass	
ATR inter-character delay exceeded, warm reset (1) 1CE.053-2	xy=00	1708 DTS41 1704 DTS01	Pass	
ATR inter-character delay exceeded, warm reset (2)	xy=00	1704 D1301	1 ass	
1CE.054-1	xy=00	-1263 Electrical		Option NOT
Incorrect cold ATR initiation delay (1)	Ny-00	test		supported
1CE.054-2	xy=00	1719 DTS30	Pass	- попростои
Incorrect cold ATR initiation delay (2)	Ť			
1CE.055-1	xy=00	-		Option NOT
Incorrect warm ATR initiation delay (2)				supported
1CE.055-2	xy=00	1719 DTS31	Pass	
Incorrect warm ATR initiation delay (2)				
1CE.056	xy=00	1726 DTS10	Pass	
Invalid ATR – Parity Error – Cold Reset	Ay-00	1720 D 1510		
•	0.1	172 C DEG20	Pass	
1CE.056	xy=01	1726 DTS20	1 433	
Invalid ATR – Parity Error – Cold Reset				
1CE.057	xy=00	1726 DTS11	Pass	
Invalid ATR – Parity Error – Warm Reset				
1CE.057	xy=01	1726 DTS21	Pass	
Invalid ATR – Parity Error – Warm Reset				
1CE.058	xy=00	1716 DTS10	Pass	
Incorrect TS – Cold Reset	Ny-00	1710 2 1510		
	01	1716 DTC20	Pass	
1CE.058	xy=01	1716 DTS20	1 433	
Incorrect TS – Cold Reset			D	
1CE.058	xy=02	1716 DTS30	Pass	
Incorrect TS – Cold Reset				
1CE.058	xy=03	1716 DTS40	Pass	
Incorrect TS – Cold Reset				
1CE.059	xy=00	1716 DTS11	Pass	
Incorrect TS – Warm Reset				
	vv-01	1716 DTC01	Pass	
1CE.059	xy=01	1716 DTS21	1 435	
Incorrect TS – Warm Reset	1		- n	
1CE.059	xy=02	1716 DTS31	Pass	
Incorrect TS – Warm Reset				
illeoffect 13 – Walli Reset				
1CE.059	xy=03	1716 DTS41	Pass	

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.060	xy=00	1707 DTS02	Pass	ICS
Character Overrun in Cold ATR				
1CE.060	xy=01	1707 DTS03	Pass	ICS
Character Overrun in Cold ATR				
1CE.061	xy=00	1707 DTS02	Pass	ICS
Character Overrun in Warm ATR				
1CE.061	xy=01	1707 DTS03	Pass	ICS
Character Overrun in Warm ATR				
1CE.062	xy=00	1707 DTS05	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	T=0			
1CE.062	xy=01	1707 DTS13	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	T=1			
1CE.062	xy=02	1707 DTS32	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	T=0			
1CE.062	xy=03	1707 DTS33	Pass	ICS
Unsupported TA1 in Specific Mode – Cold Reset	T=1			
1CE.063	xy=00	1707 DTS05	Pass	ICS
Unsupported TA1 in Specific Mode – Warm Reset	T=0			
1CE.063	xy=01	1707 DTS13	Pass	ICS
Unsupported TA1 in Specific Mode – Warm Reset	T=1			
1CE.064	xy=00	1717 DTS01	Pass	
Unsupported TB1 – Cold Reset				
1CE.064	xy=01	1717 DTS03	Pass	
Unsupported TB1 – Cold Reset	1.5	1		
1CE.064	xy=02	1754 DTS03	Pass	
Unsupported TB1 – Cold Reset				
1CE.064	xy=03	1754 DTS04	Pass	
Unsupported TB1 – Cold Reset				
1CE.065	xy=00	1707 DTS06	Pass	
Unsupported TD1– Cold Reset	1.5	1		
1CE.065	xy=01	1707 DTS14	Pass	
Unsupported TD1– Cold Reset				
1CE.066	xy=00	1707 DTS06	Pass	
Unsupported TD1 – Warm Reset	1.5	1		
1CE.066	xy=01	1707 DTS14	Pass	
Unsupported TD1 – Warm Reset	1.5	1		
1CE.067	xy=00	1707 DTS29	Pass	
Unsupported TA2 – Cold Reset				
1CE.068	xy=00	1707 DTS29	Pass	
Unsupported TA2 – Warm Reset				
1CE.069	xy=00	1707 DTS19	Pass	
Irrelevant TB2 – Cold Reset		1707 DTS25		
1CE.070	xy=00	1707 DTS19	Pass	
Irrelevant TB2 – Warm Reset	<b>y</b>	1707 DTS20		
1CE.071	xy=00	1707 DTS26	Pass	
Unsupported TC2 – Cold Reset	<b>y</b>			
1CE.071	xy=01	1707 DTS10	NA	ICS
Unsupported TC2 – Cold Reset				
1CE.071	xy=02	1707 DTS30	NA	ICS
Unsupported TC2 – Cold Reset	-5		1,1,2	
1CE.071	xy=03	1707 DTS31	NA	ICS
Unsupported TC2 – Cold Reset	1., 55	1707 21831	1,77	
Chapporton 102 Colu Reset				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.072	xy=00	1707 DTS26	Pass	
Unsupported TC2 – Warm Reset				
1CE.072	xy=01	1707 DTS10	NA	ICS
Unsupported TC2 – Warm Reset				
1CE.072	xy=02	1707 DTS30	NA	ICS
Unsupported TC2 – Warm Reset				
1CE.072	xy=03	1707 DTS31	NA	ICS
Unsupported TC2 – Warm Reset				
1CE.073	xy=00	1707 DTS21	Pass	
Unsupported TD2 – Cold Reset				
1CE.073	xy=01	1707 DTS22	Pass	
Unsupported TD2 – Cold Reset				
1CE.073	xy=02	1707 DTS23	Pass	
Unsupported TD2 – Cold Reset				
1CE.074	xy=00	1707 DTS21	Pass	
Unsupported TD2 – Warm Reset				
1CE.074	xy=01	1707 DTS22	Pass	
Unsupported TD2 – Warm Reset				
1CE.074	xy=02	1707 DTS23	Pass	
Unsupported TD2 – Warm Reset				
1CE.075	xy=00	1707 DTS08	Pass	
Unsupported TA3 – Cold Reset				
1CE.075	xy=01	1707 DTS15	Pass	
Unsupported TA3 – Cold Reset				
1CE.075	xy=02	1707 DTS16	Pass	
Unsupported TA3 – Cold Reset				
1CE.076	xy=00	1707 DTS08	Pass	
Unsupported TA3 – Warm Reset				
1CE.076	xy=01	1707 DTS15	Pass	
Unsupported TA3 – Warm Reset				
1CE.076	xy=02	1707 DTS16	Pass	
Unsupported TA3 – Warm Reset				
1CE.077	xy=00	1707 DTS07	Pass	
Unsupported TB3 – Cold Reset				
1CE.077	xy=01	1707 DTS11	Pass	
Unsupported TB3 – Cold Reset				
1CE.077	xy=02	1707 DTS17	Pass	
Unsupported TB3 – Cold Reset				
1CE.077	xy=03	1707 DTS24	Pass	
Unsupported TB3 – Cold Reset				
1CE.078	xy=00	1707 DTS07	Pass	
Unsupported TB3 – Warm Reset				
1CE.078	xy=01	1707 DTS11	Pass	
Unsupported TB3 – Warm Reset				
1CE.078	xy=02	1707 DTS17	Pass	
Unsupported TB3 – Warm Reset				
1CE.078	xy=03	1707 DTS24	Pass	
Unsupported TB3 – Warm Reset				
1CE.079	xy=00	1707 DTS12	Pass	
Unsupported TC3 – Cold Reset				
1CE.079	xy=01	1707 DTS27	Pass	
Unsupported TC3 – Cold Reset				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.080	xy=00	1707 DTS12	Pass	
Unsupported TC3 – Warm Reset				
1CE.080	xy=01	1707 DTS27	Pass	
Unsupported TC3 – Warm Reset				
1CE.081	xy=00	1758 DTS10	Pass	
Invalid TCK when not T=0 - Cold reset				
1CE.081	xy=01	1758 DTS20	Pass	
Invalid TCK when not T=0 - Cold reset				
1CE.082	xy=00	1758 DTS11	Pass	
Invalid TCK when not T=0 – Warm reset				
1CE.082	xy=01	1758 DTS21	Pass	
Invalid TCK when not T=0 – Warm reset				

NA - Not Applicable Laboratory Comments:

## 8.8 Configuration 2: Protocol T=0 at Nominal Temperature

Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comments
1CF.001	xy=00	1701 DTS0	Pass	
T=0 ETU measurement – cold reset				
1CF.002	xy=00	1701 DTS1	Pass	
ETU measurement – warm reset				
1CF.003	xy=00	1709 DTS1	Pass	
Correct reception of ict 11.8 etus (T=0)				
1CF.004	xy=00	1709 DTS0	Pass	
Correct reception of opposite ict 15 etus (T=0)				
1CF.005	xy=00	1710 DTS01	Pass	
Correct reception of character using WWT (same d.)	D=1	1710 DTS11		
		1710 DTS21		
1CF.005	xy=01	1710 DTS31	Pass	
Correct reception of character using WWT (same d.)	D=2	1710 DTS41		
		1710 DTS51		
1CF.005	xy=02	1710 DTS61	Pass	
Correct reception of character using WWT (same d.)	D=4	1710 DTS71		
		1710 DTS81		
1CF.006	xy=00	1710 DTS00	Pass	
Correct reception of character using WWT (opposite	D=1	1710 DTS10		
d.)		1710 DTS20		
1CF.006	xy=01	1710 DTS30	Pass	
Correct reception of character using WWT (opposite	D=2	1710 DTS40		
d.)		1710 DTS50		
1CF.006	xy=02	1710 DTS60	Pass	
Correct reception of character using WWT (opposite	D=4	1710 DTS70		
d.)		1710 DTS80		
1CF.007	xy=00	1705 DTS00	Pass	
Min. Interval bet. Characters sent in oppos. Directions				
after cold reset (16 etus)				
1CF.008	xy=00	1705 DTS01	Pass	
Min. Interval bet. Characters sent in oppos. Directions				
after warm reset (16 etus)				
1CF.009	xy=00	1701 DTS 0	Pass	
INS – case 3 and 4	_			
1CF.010	xy=00	1701 DTS 0	Pass	
INS – case 2	_			
1CF.011	xy=00	1710 DTS00	Pass	
INS Complement – Case 3 and 4	•	1730 DTS		

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NT - Not Tested

NI: - Not Implemented

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case – not mandatory

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.011	xy=01	1705 DTS00	Pass	
INS Complement – Case 3 and 4		1731 DTS		
1CF.012	xy=00	1730 DTS	Pass	
INS Complement Byte – Case 2				
1CF.012	xy=01	1731 DTS	Pass	
INS Complement Byte – Case 2				
1CF.013	xy=00	1710 DTS01	Pass	
'60' Procedure Byte				
1CF.013	xy=01	1712 DTS0	Pass	
'60' Procedure Byte		1712 DTS1		
100.012	0.2	1712 DTS2	Pass	
1CF.013	xy=02	1712 DTS0	Pass	
'60' Procedure Byte		1712 DTS1 1712 DTS2		
1CF.014	vv-00	1712 DTS2	Pass	
'60' amid INS Complement Procedure Byte	xy=00	1713 DTS0 1713 DTS1	1 ass	
oo anna nys complement Procedure Byte		1713 DTS1 1713 DTS2		
1CF.014	xy=01	1713 DTS2	Pass	
'60' amid INS Complement Procedure Byte	Xy=01	1713 DTS0 1713 DTS1	1 455	
oo ama i to complement i foccure byte		1713 DTS1 1713 DTS2		
1CF.015	xy=00	1709 DTS0	Pass	
'61' – case 2	, -00	1734 DTS	_ 300	
1CF.016	xy=00	1744 DTS	Pass	
status byte '6X' or '9X'	'62xx'	17.1.215		
1CF.016	xy=01	1744 DTS	Pass	
status byte '6X' or '9X'	'63xx'			
1CF.016	xy=02	1725 DTS	Pass	
status byte '6X' or '9X'	'6700'			
1CF.016	xy=03	1725 DTS	Pass	
status byte '6X' or '9X'	'6Axx'			
1CF.016	xy=04	1725 DTS	Pass	
status byte '6X' or '9X'	'6Fxx'			
1CF.016	xy=05	1744 DTS	Pass	
status byte '6X' or '9X'	'9000'			
1CF.016	xy=06	1725 DTS	Pass	
status byte '6X' or '9X'	'64xx'	1744 DTS		
1CF.016	xy=07	1725 DTS	Pass	
status byte '6X' or '9X'	'65xx'	1744 DTS		
1CF.016	xy=08	1744 DTS	Pass	
status byte '6X' or '9X'	'66xx'			
1CF.016	xy=09	1725 DTS	Pass	
status byte '6X' or '9X'	'68xx'			
1CF.016	xy=10	1725 DTS	Pass	
status byte '6X' or '9X'	'69xx'	1711 577	D	
1CF.016	xy=11	1744 DTS	Pass	
status byte '6X' or '9X'	'6Bxx'	1705 DEG	De	
1CF.016	xy=12	1725 DTS	Pass	
status byte '6X' or '9X'	'6D00'	1705 DEG	Pass	
1CF.016	xy=13 '6E00'	1725 DTS	rass	
status byte '6X' or '9X' 1CF.016		1744 DTS	Pass	
status byte '6X' or '9X'	xy=14 '9100'	1/44 DIS	rass	
1CF.016	xy=15	1744 DTS	Pass	
status byte '6X' or '9X'	xy=15   '92xx'	1/44 DIS	1 455	
1CF.016	xy=16	1744 DTS	Pass	
status byte '6X' or '9X'	'93xx'	1/44 DIS	1 433	
1CF.016	xy=17	1744 DTS	Pass	
status byte '6X' or '9X'	'94xx'	1/77 113	1 400	
1CF.016	xy=18	1744 DTS	Pass	
status byte '6X' or '9X'	'95xx'	1/77 113	1 400	
1CF.016	xy=19	1744 DTS	Pass	
status byte '6X' or '9X'	'96xx'	1/77 113	1 400	
J. J. J. J. J. J. J. J. J. J. J. J. J. J	> 0AA	I	1	<u> </u>

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.016	xy=20	1744 DTS	Pass	
status byte '6X' or '9X'	'97xx'			
1CF.016	xy=21	1744 DTS	Pass	
status byte '6X' or '9X'	'98xx'			
1CF.016	xy=22	1744 DTS	Pass	
status byte '6X' or '9X'	'99xx'			
1CF.016	xy=23	1744 DTS	Pass	
status byte '6X' or '9X'	'9Axx'	1		
1CF.016	xy=24	1744 DTS	Pass	
status byte '6X' or '9X'	'9Bxx'	1744 D15	1 400	
1CF.016	xy=25	1744 DTS	Pass	
status byte '6X' or '9X'	'9Cxx'	1744 D15	Luss	
1CF.016	xy=26	1744 DTS	Pass	
		1/44 D1S	rass	
status byte '6X' or '9X'	'9Dxx'	17.11 DEG	Pass	
1CF.016	xy=27	1744 DTS	Pass	
status byte '6X' or '9X'	'9Exx'		-	
1CF.016	xy=28	1744 DTS	Pass	
status byte '6X' or '9X'	'9Fxx'			
1CF.030-1	xy=00	-		Option NOT
WWT excess (same direction)	D=1			supported
1CF.030-1	xy=01	-		Option NOT
WWT excess (same direction)	D=2			supported
1CF.030-1	xy=02	-		Option NOT
WWT excess (same direction)	D=4			supported
1CF.030-2	xy=00	1711 DTS01	Pass	
WWT excess (same direction)	D=1	1711 DTS11		
		1711 DTS21		
1CF.030-2	xy=01	1711 DTS31	Pass	
WWT excess (same direction)	D=2	1711 DTS41		
,		1711 DTS51		
1CF.030-2	xy=02	1711 DTS61	Pass	
WWT excess (same direction)	D=4	1711 DTS71		
W T excess (sume direction)	B-1	1711 DTS81		
1CF.031-1	0y	-		Option NOT
WWT excess - opposite direction	y=0 to 2			supported
1CF.031-2	xy=00	1711 DTS00	Pass	supported
WWT excess - opposite direction	D=1	1711 DTS00	1 433	
w w r excess - opposite direction	D=1	1711 DTS10 1711 DTS20		
1CF.031-2	01	1711 DTS20	Pass	
	xy=01		rass	
WWT excess - opposite direction	D=2	1711 DTS40 1711 DTS50		
107.001.0			D	
1CF.031-2	xy=02	1711 DTS60	Pass	
WWT excess - opposite direction	D=4	1711 DTS70		
		1711 DTS80		
1CF.032	xy=00	1735 DTS	Pass	
unsupported procedure byte / status byte				
1CF.032	xy=01	1736 DTS	Pass	
unsupported procedure byte / status byte				
1.000.000	xy=00	1714 DTS1	Pass	
ICF.033		1	1	
	direct conv.			
Parity error detection	xy=01	1714 DTS2	Pass	
Parity error detection 1CF.033		1714 DTS2	Pass	
Parity error detection 1CF.033 Parity error detection	xy=01 inv. conv.	1714 DTS2 1737 DTS10	Pass Pass	
Parity error detection 1CF.033 Parity error detection 1CF.034	xy=01			
Parity error detection 1CF.033 Parity error detection 1CF.034 Multiple Error Repetitions (Receiving)	xy=01 inv. conv. xy=00	1737 DTS10		
Parity error detection 1CF.033 Parity error detection 1CF.034 Multiple Error Repetitions (Receiving) 1CF.035	xy=01 inv. conv. xy=00 xy=00		Pass	
Parity error detection  1CF.033  Parity error detection  1CF.034  Multiple Error Repetitions (Receiving)  1CF.035  Excess of error repetitions (receiving)	xy=01 inv. conv. xy=00 xy=00 D=1	1737 DTS10 1737 DTS20	Pass Pass	
Parity error detection  1CF.033  Parity error detection  1CF.034  Multiple Error Repetitions (Receiving)  1CF.035  Excess of error repetitions (receiving)  1CF.035	xy=01 inv. conv. xy=00 xy=00 D=1 xy=01	1737 DTS10	Pass	
Parity error detection  1CF.033  Parity error detection  1CF.034  Multiple Error Repetitions (Receiving)  1CF.035  Excess of error repetitions (receiving)  1CF.035  Excess of error repetitions (receiving)	xy=01 inv. conv. xy=00 xy=00 D=1 xy=01 D=2	1737 DTS10 1737 DTS20 1737 DTS21	Pass Pass Pass	
Parity error detection  1CF.033  Parity error detection  1CF.034  Multiple Error Repetitions (Receiving)  1CF.035  Excess of error repetitions (receiving)  1CF.035  Excess of error repetitions (receiving)  1CF.035	xy=01 inv. conv. xy=00 xy=00 D=1 xy=01 D=2 xy=02	1737 DTS10 1737 DTS20	Pass Pass	
1CF.033 Parity error detection 1CF.033 Parity error detection 1CF.034 Multiple Error Repetitions (Receiving) 1CF.035 Excess of error repetitions (receiving) 1CF.035 Excess of error repetitions (receiving) 1CF.035 Excess of error repetitions (receiving) 1CF.035 Excess of error repetitions (receiving) 1CF.036	xy=01 inv. conv. xy=00 xy=00 D=1 xy=01 D=2	1737 DTS10 1737 DTS20 1737 DTS21	Pass Pass Pass	

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script	_	Comments
1CF.037 - Option 1	xy=00	1715 DTS1	Pass	
Error Correction				
1CF.037 - Option 1	xy=01	1715 DTS2	Pass	
Error Correction				
1CF.037 - Option 1	xy=02	1715 DTS3	Pass	
Error Correction	-			
1CF.037- Option 1	xy=03	1715 DTS4	Pass	
Error Correction				
1CF.037 - Option 1	xy=04	1715 DTS5	Pass	
Error Correction				
1CF.037 - Option 2	xy=00	-		Option NOT
Error Correction				supported
1CF.038	xy=00	1732 DTS10	Pass	
Multiple Error Repetition (Transmitting)				
1CF.039	xy=00	1732 DTS20	Pass	
Excess Error Repetition (Transmitting)	D=1			
1CF.039	xy=01	1732 DTS21	Pass	
Excess Error Repetition (Transmitting)	D=2			
1CF.039	xy=02	1732 DTS22	Pass	
Excess Error Repetition (Transmitting)	D=4			

NA - Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending S Supplementary Test Case – not mandatory

## 8.9 Configuration 2: Protocol T=1 at Nominal Temperature

Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.051	xy=00	1767 DTS20	Pass	
Correct reception of 10.8 etus ict Interval		1767 DTS21		
		1767 DTS22		
1CF.052	xy=00	1767 DTS10	Pass	
correct reception of CWT +4 etu	TB3='01'			
1CF.052	xy=01	1767 DTS11	Pass	
correct reception of CWT +4 etu	TB3='02'			
1CF.052	xy=02	1767 DTS12	Pass	
correct reception of CWT +4 etu	TB3='03'			
1CF.052	xy=03	1767 DTS13	Pass	
correct reception of CWT +4 etu	TB3='04'			
1CF.052	xy=04	1767 DTS14	Pass	
correct reception of CWT +4 etu	TB3='05'			
1CF.053	xy=00	1791 DTS00	Pass	
correct reception if BWT used	TB3='01' - D=1			
1CF.053	xy=01	1791 DTS01	Pass	
correct reception if BWT used	TB3='11' - D=1			
1CF.053	xy=02	1791 DTS02	Pass	
correct reception if BWT used	TB3='21' - D=1			
1CF.053	xy=03	1791 DTS03	Pass	
correct reception if BWT used	TB3='31' - D=1			
1CF.053	xy=04	1791 DTS04	Pass	
correct reception if BWT used	TB3='41' - D=1			
1CF.053	xy=10	1791 DTS10	Pass	
correct reception if BWT used	TB3='01' - D=2			
1CF.053	xy=11	1791 DTS11	Pass	
correct reception if BWT used	TB3='11' - D=2			
1CF.053	xy=12	1791 DTS12	Pass	
correct reception if BWT used	TB3='21' - D=2			
1CF.053	xy=13	1791 DTS13	Pass	
correct reception if BWT used	TB3='31' - D=2			

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.053	xy=14	1791 DTS14	Pass	
correct reception if BWT used	TB3='41' - D=2			
1CF.053	xy=20	1791 DTS20	Pass	
correct reception if BWT used	TB3='01' - D=4			
1CF.053	xy=21	1791 DTS21	Pass	
correct reception if BWT used	TB3='11' - D=4			
1CF.053	xy=22	1791 DTS22	Pass	
correct reception if BWT used	TB3='21' - D=4	17,7121022		
1CF.053	xy=23	1791 DTS23	Pass	
correct reception if BWT used	TB3='31' - D=4	1771 D1323	T uss	
1CF.053	_	1791 DTS24	Pass	
	xy=24	1791 D1324	1 ass	
correct reception if BWT used	TB3='41' - D=4	15.55 P.F.020	D	
1CF.054	xy=00	1767 DTS30	Pass	
correct reception when Block Guard Time (BGT) used		1767 DTS31		
		1767 DTS32		
1CF.055	xy=00	1800 DTS1	Pass	
Respect of 22 etus Block Guard Time (BGT) after				
Cold Reset				
1CF.056	xy=00	1800 DTS2	Pass	
Respect of 22 etus Block Guard Time (BGT) after				
Warm Reset				
1CF.057	xy=00	1803 DTS0	Pass	
WTX respected	D=1	1002 0130	1 433	
1CF.057		1002 DTG1	Pass	
	xy=01	1803 DTS1	Pass	
WTX respected	D=2			
1CF.057	xy=02	1803 DTS2	Pass	
WTX respected	D=4			
1CF.058	xy=00	1750 DTS10	Pass	
Sequence Number of the First I-block				
1CF.059	xy=00	1767 DTS20	Pass	
Valid exchanges of I-blocks	1			
1CF.060	xy=00	1750 DTS10	Pass	
Chaning: IUT receiving	Ny-00	1750 B1510		
1CF.061	xy=00	1778 DTS	Pass	
Chaining – Sequence Number of the R-blocks	ху-00	1776 D13	1 455	
0 1	00	1702 DTG	Pass	
1CF.062	xy=00	1782 DTS	Pass	
Chaining in both directions				
1CF.063	xy=00	1798 DTS01	Pass	
Respect of IFSI by the IUT	TA3='10'	1798 DTS02		
1CF.063	xy=01	1798 DTS11	Pass	
Respect of IFSI by the IUT	TA3='20'	1798 DTS12		
1CF.063	xy=02	1798 DTS21	Pass	
Respect of IFSI by the IUT	TA3='40'	1798 DTS22		
1CF.063	xy=03	1798 DTS31	Pass	
Respect of IFSI by the IUT	TA3='60'	1798 DTS32		
1CF.063	xy=04	1798 DTS32	Pass	
	TA3='80'		1 433	
Respect of IFSI by the IUT	_	1798 DTS42	D	
1CF.063	xy=05	1798 DTS51	Pass	
Respect of IFSI by the IUT	TA3='A0'	1798 DTS52		
1CF.063	xy=06	1798 DTS61	Pass	
Respect of IFSI by the IUT	TA3='C0'	1798 DTS62		
1CF.063	xy=07	1798 DTS71	Pass	
Respect of IFSI by the IUT	TA3='E0'	1798 DTS72		
1CF.063	xy=08	1798 DTS81	Pass	
Respect of IFSI by the IUT	TA3='FE'	1798 DTS82		
1CF.064	xy=00	1805 DTS4	Pass	
Repeated Requests to Change IFSC Between two	Ay-00	1005 D154	1 433	
1 1				
Chains	0.1	1005 P	D.	
1CF.064	xy=01	1805 DTS2	Pass	
Repeated Requests to Change IFSC Between two		1805 DTS3		
Chains		1805 DTS5	1	1



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.064	xy=02	1805 DTS1	Pass	
Repeated Requests to Change IFSC Between two Chains				
1CF.080-1	Xy	-		Option NOT
CWT exceeded	$\begin{array}{c} xy \\ x=0 \text{ to } 1 \end{array}$	-		supported
CW1 CACCUCU	v=0 to 4			supported
1CF.080-2	xy=00	1790 DTS00	Pass	
CWT exceeded	Ay=00	1790 DTS01	1 405	
1CF.080-2	xy=01	1790 DTS02	Pass	
CWT exceeded	Ay=01	1770 D1302	1 405	
1CF.080-2	xy=02	1790 DTS03	Pass	
CWT exceeded	Ay-02	1770 151505	1 405	
1CF.080-2	xy=03	1790 DTS04	Pass	
CWT exceeded	Ay-03	1770 1 1 1 1 1 1 1 1 1	1 405	
1CF.080-2	xy=04	1790 DTS05	Pass	
CWT exceeded	Ay=04	1770 11303	1 405	
1CF.080-2	xy=10	1790 DTS10	Pass	
CWT exceeded	Ay-10	1790 DTS10	1 400	
1CF.080-2	xy=11	1790 DTS11	Pass	
CWT exceeded	Ay-11	1/90 D1312	1 455	
1CF.080-2	xy=12	1790 DTS13	Pass	
CWT exceeded	xy=12	1/90 D1313	1 455	
1CF.080-2	xy=13	1790 DTS14	Pass	
CWT exceeded	xy=13	1790 D1314	1 455	
1CF.080-2	14	1790 DTS15	Pass	
	xy=14	1790 D1815	Pass	
CWT exceeded				O C NOT
1CF.081-1	xy	-		Option NOT
BWT exceeded in response to an S-request block	x=0 to 2			supported
100.001.2	y=0 to 4	1700 DTG20	Pass	
1CF.081-2	xy=00	1789 DTS30	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='01'	1500 PEGG1	D	
1CF.081-2	xy=01	1789 DTS31	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='11'			
1CF.081-2	xy=02	1789 DTS32	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='21'	4500 PE000	D	
1CF.081-2	xy=03	1789 DTS33	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='31'	4500 PEGG4	- D	
1CF.081-2	xy=04	1789 DTS34	Pass	
BWT exceeded in response to an S-request block	D=1 - TB3='41'	1-00	D	
1CF.081-2	xy=10	1789 DTS40	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='01'	1500 DE2 ::		
1CF.081-2	xy=11	1789 DTS41	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='11'	1500		
1CF.081-2	xy=12	1789 DTS42	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='21'	.=		
1CF.081-2	xy=13	1789 DTS43	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='31'		<u> </u>	
1CF.081-2	xy=14	1789 DTS44	Pass	
BWT exceeded in response to an S-request block	D=2 - TB3='41'		_	
1CF.081-2	xy=20	1789 DTS50	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='01'			
1CF.081-2	xy=21	1789 DTS51	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='11'			
1CF.081-2	xy=22	1789 DTS52	Pass	
BWT exceeded in response to an S-request block	D=4 -TB3='21'			
1CF.081-2	xy=23	1789 DTS53	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='31'			
1CF.081-2	xy=24	1789 DTS54	Pass	
BWT exceeded in response to an S-request block	D=4 - TB3='41'			
1CF.081-1 BIS	Xy	-		Option NOT
BWT exceeded in response to an I-block, R-block or	x=0 to 2			supported
S-response	y=0 to 4			

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.081-2 BIS	xy=00	1789 DTS00	Pass	
BWT exceeded in response to an I-block, R-block or	D=1 TB3='01'			
S-response 1CF.081-2 BIS		1789 DTS01	Pass	
BWT exceeded in response to an I-block, R-block or	xy=01 D=1	1789 D1801	rass	
S-response	TB3='11'			
1CF.081-2 BIS	xy=02	1789 DTS02	Pass	
BWT exceeded in response to an I-block, R-block or	D=1	1709 D1302	1 433	
S-response	TB3='21'			
1CF.081-2 BIS	xy=03	1789 DTS03	Pass	
BWT exceeded in response to an I-block, R-block or	D=1	1707 11503	1 400	
S-response	TB3='31'			
1CF.081-2 BIS	xy=04	1789 DTS04	Pass	
BWT exceeded in response to an I-block, R-block or	D=1	1707 11504		
S-response	TB3='41'			
1CF.081-2 BIS	xy=10	1789 DTS10	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1707 1510		
S-response	TB3='01'			
1CF.081-2 BIS	xy=11	1789 DTS11	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1707 2 1511		
S-response	TB3='11'			
1CF.081-2 BIS	xy=12	1789 DTS12	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1707 1512		
S-response	TB3='21'			
1CF.081-2 BIS	xy=13	1789 DTS13	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1707 2 1510		
S-response	TB3='31'			
1CF.081-2 BIS	xy=14	1789 DTS14	Pass	
BWT exceeded in response to an I-block, R-block or	D=2	1,0,2,2,0		
S-response	TB3='41'			
1CF.081-2 BIS	xy=20	1789 DTS20	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='01'			
1CF.081-2 BIS	xy=21	1789 DTS21	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='11'			
1CF.081-2 BIS	xy=22	1789 DTS22	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='21'			
1CF.081-2 BIS	xy=23	1789 DTS23	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='31'			
1CF.081-2 BIS	xy=24	1789 DTS24	Pass	
BWT exceeded in response to an I-block, R-block or	D=4			
S-response	TB3='41'			
1CF.082	xy=00	1768 DTS0	Pass	
Proper then improper use of WTX	D=1			
1CF.082	xy=01	1768 DTS1	Pass	
Proper then improper use of WTX	D=2		_	1
1CF.082	xy=02	1768 DTS2	Pass	1
Proper then improper use of WTX	D=4			
1CF.083-1	Xy	•		Option NOT
WTX exceeded	x=0 to 2			supported
1.000.00	y=0 to 4	1	-	
1CF.083-2	xy=00	1775 DTS00	Pass	1
WTX exceeded	TB3='01' - D=1		-	1
1CF.083-2	xy=01	1775 DTS01	Pass	1
WTX exceeded	TB3='11' - D=1	1000	-	1
1CF.083-2	xy=02	1775 DTS02	Pass	
WTX exceeded	TB3='21' - D=1		-	
1CF.083-2	xy=03	1775 DTS03	Pass	
WTX exceeded	TB3='31' - D=1			

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Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.083-2	xy=04	1775 DTS04	Pass	
WTX exceeded	TB3='41' - D=1			
1CF.083-2	xy=10	1775 DTS10	Pass	
WTX exceeded	TB3='01' - D=2			
1CF.083-2	xy=11	1775 DTS11	Pass	
WTX exceeded	TB3='11' - D=2			
1CF.083-2	xy=12	1775 DTS12	Pass	
WTX exceeded	TB3='21' - D=2			
1CF.083-2	xy=13	1775 DTS13	Pass	
WTX exceeded	TB3='31' - D=2			
1CF.083-2	xy=14	1775 DTS14	Pass	
WTX exceeded	TB3='41' - D=2	1,70 21511		
1CF.083-2	xy=20	1775 DTS20	Pass	
WTX exceeded	TB3='01' - D=4	1773 D1320	Luss	
1CF.083-2		1775 DTS21	Pass	
	xy=21	17/5 D1521	rass	
WTX exceeded	TB3='11' - D=4	1885 58000	D	
1CF.083-2	xy=22	1775 DTS22	Pass	
WTX exceeded	TB3='21' - D=4			
1CF.083-2	xy=23	1775 DTS23	Pass	
WTX exceeded	TB3='31' - D=4			
1CF.083-2	xy=24	1775 DTS24	Pass	
WTX exceeded	TB3='41' - D=4			
1CF.084 - Option 1	xy=00	1771 DTS	Pass	
Not chaining – Transmission error then notification on				
an I-Block				
1CF.084 - Option 1	xy=01	1771 DTS	Pass	
Not chaining – Transmission error then notification on				
an I-Block				
1CF.084 - Option 1	xy=02	1771 DTS	Pass	
Not chaining – Transmission error then notification on	Ay-02	17/11 D15	Luss	
an I-Block				
1CF.084 Option 2	y=0			Option NOT
	y=0	-		-
Not chaining – transmission error then notification on				supported
an I-Block	00	1771 DTG	D	
1CF.085	xy=00	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=01	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=02	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=03	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=04	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	, 0.	1		
notification				1
1CF.085	xy=05	1771 DTS	Pass	
	Ay-03	1//1 D13	1 455	
Not chaining – Syntax/semantic error then error				1
notification	0.6	1771 DEC	D	
1CF.085	xy=06	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error				
notification			_	
1CF.085	xy=07	1771 DTS	Pass	1
Not chaining – Syntax/semantic error then error				
notification				
1CF.085	xy=08	1771 DTS	Pass	
•	i .	1	1	1
Not chaining – Syntax/semantic error then error				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.085	xy=09	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	1-5	1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
notification				
1CF.085	xy=10	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	Ny=10	1771 D15		
notification				
1CF.085	xy=11	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	ху-11	1771 D15	T uss	
notification				
1CF.085	xy=12	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	Xy=12	1771 D15	T uss	
notification				
1CF.085	xy=13	1771 DTS	Pass	
Not chaining – Syntax/semantic error then error	xy=15	1//1 D13	1 433	
notification				
	00	1705 DT000	Pass	ICC
1CF.086 - Option 1	xy=00	1785 DTS00	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
	0.1	1812 DTSxx		
1CF.086 - Option 1	xy=01	1785 DTS01	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.086 - Option 1	xy=02	1785 DTS02	Pass	ICS
Not chaining – Excess of transmission errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.086	xy=00	-		Option NOT
Option 2				supported
1CF.087	xy=00	1785 DTS03	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=01	1785 DTS04	Pass	ICS
Not chaining – Excess of syntax/semantic errors	,	1779 DTSxx		
•		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
1CF.087	xy=02	1785 DTS05	Pass	ICS
Not chaining – Excess of syntax/semantic errors	, -=	1779 DTSxx		
Not channing – Excess of syntax/semantic errors		1787 DTSxx		
		1 1788 DTSvv		1
		1788 DTSxx 1793 DTSxx		
		1793 DTSxx		
1CF 087	vv-02	1793 DTSxx 1812 DTSxx	Pacc	ICS
1CF.087 Not chaining Evenes of syntax/semantic errors	xy=03	1793 DTSxx 1812 DTSxx 1785 DTS06	Pass	ICS
	xy=03	1793 DTSxx 1812 DTSxx 1785 DTS06 1779 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=03	1793 DTSxx 1812 DTSxx 1785 DTS06 1779 DTSxx 1787 DTSxx	Pass	ICS
	xy=03	1793 DTSxx 1812 DTSxx 1785 DTS06 1779 DTSxx	Pass	ICS



Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script	_	Comment
1CF.087	xy=04	1785 DTS07	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
		1812 DTSxx		
CF.087	xy=05	1785 DTS08	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CE 007	06	1812 DTSxx	Pass	ICC
CF.087	xy=06	1785 DTS09	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CE 007	00	1812 DTSxx	Dogg	ICC
CF.087	xy=08	1785 DTS11	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
4 077 007	00	1812 DTSxx	Pass	ICC
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=09	1785 DTS12	Pass	ICS
		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
LOTE 007	10	1812 DTSxx	Pass	ICC
CF.087	xy=10	1785 DTS13	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CD 007	11	1812 DTSxx	Pass	TOG
CF.087	xy=11	1785 DTS14	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CE 007	10	1812 DTSxx	Pass	ICC
CF.087	xy=12	1785 DTS15	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CE 007	12	1812 DTSxx	Pass	ICC
CF.087	xy=13	1785 DTS20	Pass	ICS
Not chaining – Excess of syntax/semantic errors		1779 DTSxx		
		1787 DTSxx		
		1788 DTSxx		
		1793 DTSxx		
CF.088	WW-00	1812 DTSxx	Pass	
	xy=00	1770 DTS1	rass	
NOT chaining – 1 or 2 transmission errors	10	1770 DTC1	Pass	
CF.088	xy=10	1770 DTS1	Pass	
NOT chaining – 1 or 2 transmission errors	20	1770 P.T.	D	
CF.088	xy=20	1770 DTS1	Pass	
NOT chaining – 1 or 2 transmission errors		4	- D	
CF.088	xy=01	1770 DTS2	Pass	
NOT chaining – 1 or 2 transmission errors		1550 5-22	D	
CF.088	xy=11	1770 DTS2	Pass	i

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Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.088	xy=21	1770 DTS2	Pass	
NOT chaining – 1 or 2 transmission errors				
1CF.089	xy=00	1770 DTS1	Pass	
NOT chaining - Syntax/semantic error				
1CF.089	xy=01	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=02	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=03	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=04	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=05	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=06	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=07	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=08	1770 DTS1	Pass	
NOT chaining - Syntax/semantic error				
1CF.089	xy=09	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=10	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=11	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=12	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.089	xy=13	1770 DTS1	Pass	
NOT chaining – Syntax/semantic error				
1CF.090	xy=00	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=01	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=02	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=03	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=04	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=05	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=06	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=08	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors				
1CF.090	xy=09	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	-7 -7	10 2 102		
1CF.090	xy=10	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	1-7 10	1,,,5,2152		
1CF.090	xy=11	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	,	1,,,5,2152		
1CF.090	xy=12	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	1., 12	1770 2102		
1CF.090	xy=13	1770 DTS2	Pass	
NOT chaining – 2 Syntax/semantic errors	Ay-13	1770 D132	1 405	
1CF.091 - Option 1	xy=00	1772 DTS	Pass	
Not chaining – Transmission error then notification on	Ay-00	1//2 D13	1 455	
R-Block				
1CF.091 - Option 1	xy=01	1772 DTS	Pass	
Not chaining – Transmission error then notification on	xy=01	1//2 D18	1 455	
R-Block				

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.091 - Option 1	xy=02	1772 DTS	Pass	
Not chaining – Transmission error then notification on				
R-Block				
1CF.091 - Option 2	xy=00	-		Option NOT
Not chaining – Transmission error then notification on				supported
R-Block				
1CF.092	xy=00	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block				
1CF.092	xy=01	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block				
1CF.092	xy=02	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block				
1CF.092	xy=03	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification			1	
on R-Block		4		+
1CF.092	xy=04	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block		1	<del> </del>	
1CF.092	xy=05	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block				
1CF.092	xy=06	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block	0.5	1550 DEG	- D	
1CF.092	xy=07	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block				
1CF.092	xy=08	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block	00	1772 DEG	D	
1CF.092	xy=09	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification				
on R-Block 1CF.092	10	1772 DEG	Pass	
	xy=10	1772 DTS	rass	
Not chaining – Syntax/semantic error then notification				
on R-Block 1CF.092	ww_11	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	xy=11	1//2 D13	rass	
on R-Block 1CF.092	xy=12	1772 DTS	Pass	
Not chaining – Syntax/semantic error then notification	Ay-12	1//2 1/13	1 455	
on R-Block			1	
1CF.092	xy=13	1772 DTS	Pass	+
Not chaining – Syntax/semantic error then notification	Ay-13	1//2 D15	1 433	
on R-Block			1	
1CF.093	xy=00	1774 DTS	Pass	Option 1
Option 1 or option 2	13-00	1//4 D15	1 455	Option 1
Not chaining – 2 Transmission errors then notification			1	
on R-Block			1	
1CF.094	xy=00	1774 DTS	Pass	
Not chaining – 2 Syntax/semantic errors then	, 00	11215		
notification on R-Block			1	
1CF.095 - Option 1	xy=00	1808 DTS01	Pass	
Not chaining – Transmission error in response to S-	, 00	1000 11501		
Block			1	
1CF.095 - Option 1	xy=01	1808 DTS02	Pass	
Not chaining – Transmission error in response to S-	,,	1000 11002		
Block			1	
DIOCK				



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.095 - Option 1	xy=02	1808 DTS03	Pass	
Not chaining – Transmission error in response to S-				
Block				
1CF.095 Option 2	xy=00	-		Option NOT
Not chaining – Transmission error in response to S-				supported
Block	00	1000 P/F/G04	Deser	
1CF.096	xy=00	1808 DTS04	Pass	
Not chaining – Syntax/semantic error in response to S-Block				
1CF.096	xy=01	1808 DTS05	Pass	
Not chaining – Syntax/semantic error in response to S-	Xy=01	1606 D1303	1 433	
Block				
1CF.096	xy=02	1808 DTS06	Pass	
Not chaining – Syntax/semantic error in response to S-	KJ-02	1000 11500		
Block				
1CF.096	xy=03		Pass	
Not chaining – Syntax/semantic error in response to S-		1808 DTS07		
Block				
1CF.096	xy=04		Pass	
Not chaining - Syntax/semantic error in response to S-	•	1808 DTS08		
Block				
1CF.096	xy=05		Pass	
Not chaining - Syntax/semantic error in response to S-	•	1808 DTS09		
Block				
1CF.096	xy=06		Pass	
Not chaining - Syntax/semantic error in response to S-		1808 DTS10		
Block				
1CF.096	xy=07	1808 DTS11	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block				
1CF.096	xy=08	1808 DTS12	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block				
1CF.096	xy=09	1808 DTS13	Pass	
Not chaining – Syntax/semantic error in response to S-				
Block 1CF.096	10	1000 DTC14	Pass	
	xy=10	1808 DTS14	rass	
Not chaining – Syntax/semantic error in response to S-Block				
1CF.096	xy=11	1808 DTS15	Pass	
Not chaining – Syntax/semantic error in response to S-	Xy-11	1000 D1313	1 435	
Block				
1CF.097 - Option 1	xy=00	1809 DTS01	Pass	
Not chaining – Transmission error in response to S-	, 00	1007 1001		
Block then error notification				
1CF.097 - Option 1	xy=01	1809 DTS02	Pass	
Not chaining – Transmission error in response to S-				
Block then error notification				
1CF.097 - Option 1	xy=02	1809 DTS03	Pass	
Not chaining – Transmission error in response to S-				
Block then error notification				
1CF.097 Option 2	xy=00	-		Option NOT
Not chaining – Transmission error in response to S-				supported
Block then error notification				
1CF.098	xy=00	1809 DTS04	Pass	
Not chaining – Syntax/semantic error in response to S- $$				
Block then error notification			<u> </u>	
1CF.098	xy=01		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS05		
Block then error notification			1	
1CF.098	xy=02		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS06		
Block then error notification				



Test Case Number	Subtest Case	Laboratory Test Seriet	Results	Laboratory Comment
1CF.098	vv=02	Test Script	Pass	Comment
	xy=03	1000 5 5505	Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS07		
Block then error notification				
1CF.098	xy=04		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS08		
Block then error notification				
1CF.098	xy=05		Pass	
Not chaining – Syntax/semantic error in response to S-	11, 00	1809 DTS09		
Block then error notification		1007 1007		
	0.6		Pass	
1CF.098	xy=06		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS10		
Block then error notification				
1CF.098	xy=07		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS11		
Block then error notification				
1CF.098	xy=08		Pass	
	Ay-00	1000 DTC12	1 435	
Not chaining – Syntax/semantic error in response to S-		1809 DTS12		1
Block then error notification				
1CF.098	xy=09		Pass	
Not chaining - Syntax/semantic error in response to S-		1809 DTS13		1
Block then error notification				1
1CF.098	xy=10		Pass	
Not chaining – Syntax/semantic error in response to S-	-,	1809 DTS14		1
Block then error notification		1007 1514		
	1.1		Pass	
1CF.098	xy=11		Pass	
Not chaining – Syntax/semantic error in response to S-		1809 DTS15		
Block then error notification				
1CF.099	xy=00	1760 DTC1	Pass	
Not chaining - error notification on I-Block		1769 DTS1		
1CF.100	xy=00		Pass	
Not chaining – 2 error notifications on I-Block	11, 00	1769 DTS2		
1CF.101	00	170¢ DTG	Pass	D (
	xy=00	1786 DTS	Pass	Resync not
Not chaining – Excess of error notifications on I-Block		1793 DTS	_	supported
1CF.102 - Option 1	xy=00	1807 DTS01	Pass	
Not chaining – Transmission error then S(IFS request)				
1CF.102 - Option 1	xy=01	1807 DTS02	Pass	
Not chaining – Transmission error then S(IFS request)				
1CF.102 - Option 1	xy=02	1807 DTS03	Pass	
Not chaining – Transmission error then S(IFS request)	Ay=02	1007 11303		
	00			O .: NOT
1CF.102 Option 2	xy=00	-		Option NOT
Not chaining – Transmission error then S(IFS request)				supported
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=00	1807 DTS04		
request)				
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=01	1807 DTS05		
	Ay-01	1007 11303		
request)	+		D.	+
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=02	1807 DTS06		1
request)				
1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=03	1807 DTS07		
request)	*			1
1CF.103	1		Pass	1
	vv=04	1007 DTC00	1 4.55	
Not chaining – Syntax/semantic error then S(IFS	xy=04	1807 DTS08		
request)			1	
1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=05	1807 DTS09		
request)	'			1
1CF.103			Pass	
	vv-06	1807 DTC10	1 400	
Not chaining – Syntax/semantic error then S(IFS	xy=06	1807 DTS10		
request)	ĺ		1	1



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.103		000 000.pt	Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=07	1807 DTS11		
request)				
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=08	1807 DTS12		
request)	1.5	1007 2 1512		
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=09	1807 DTS13	Luss	
request)	Ху-07	1007 D1515		
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	10	1807 DTS14	1 435	
•	xy=10	1007 D1314		
request)			Pass	
1CF.103	1.1	1007 DTG15	rass	
Not chaining – Syntax/semantic error then S(IFS	xy=11	1807 DTS15		
request)				
1CF.103			Pass	
Not chaining – Syntax/semantic error then S(IFS	xy=12	1807 DTS16		
request)				
1CF.103			Pass	1
Not chaining – Syntax/semantic error then S(IFS	xy=13	1807 DTS17		1
request)				
1CF.104			Pass	
Not chaining – Error notification on S(IFS request)	xy=00	1797 DTS		
then S(IFS resonse)				
1CF.105 - Option 1			Pass	
Not chaining – Transmission error in response to	xy=00	1804 DTS00		
S(IFS request) then S(IFS response)	1			
1CF.105 - Option 1			Pass	
Not chaining – Transmission error in response to	xy=01	1804 DTS01		
S(IFS request) then S(IFS response)	1-7			
1CF.105 - Option 1			Pass	
Not chaining – Transmission error in response to	xy=02	1804 DTS02		
S(IFS request) then S(IFS response)	Ay-02	1004 D1502		
1CF.105 Option 2				Option NOT
Not chaining – Transmission error in response to				-
	xy=00	-		supported
S(IFS request) then S(IFS response)			Pass	
1CF.106	00	1004 P. T. C.	Pass	
Not chaining – Syntax/semantic error in response to	xy=00	1804 DTS03		
S(IFS request) then S(IFS response)			D	
1CF.106		1004 5 77004	Pass	
Not chaining – Syntax/semantic error in response to	xy=01	1804 DTS04		
S(IFS request) then S(IFS response)				
1CF.106	0.5	400.000	Pass	1
Not chaining – Syntax/semantic error in response to	xy=02	1804 DTS05		1
S(IFS request) then S(IFS response)				
1CF.106			Pass	1
Not chaining – Syntax/semantic error in response to	xy=03	1804 DTS06		
S(IFS request) then S(IFS response)			1	
1CF.106			Pass	1
Not chaining - Syntax/semantic error in response to	xy=04	1804 DTS07		1
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=05	1804 DTS08		1
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=06	1804 DTS09		1
S(IFS request) then S(IFS response)				
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=07	1804 DTS10		1
S(IFS request) then S(IFS response)	1.2, 0,	10011010		
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=08	1804 DTS11	1 433	1
	лу-00	1004 D1911		1
S(IFS request) then S(IFS response)				1



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.106		rest script	Pass	Comment
Not chaining – Syntax/semantic error in response to	xy=09	1804 DTS12	1 433	
S(IFS request) then S(IFS response)	Ny-07	1004 D1512		
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=10	1804 DTS13		
S(IFS request) then S(IFS response)	1.7	10011210		
1CF.106			Pass	
Not chaining – Syntax/semantic error in response to	xy=11	1804 DTS14		
S(IFS request) then S(IFS response)	,			
1CF.107	xy=00	1806 DTS	Pass	
Not chaining – Error notification on S(IFS response)				
1CF.108 - Option 1	xy=00	1794 DTS1	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 - Option 1	xy=01	1794 DTS2	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 - Option 1	xy=10	1794 DTS1	Pass	1
Not chaining – 1 or 2 transmission errors then S(WTX			1	
request)				
1CF.108 - Option 1	xy=11	1794 DTS2	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX			1	1
request)				
1CF.108 - Option 1	xy=20	1794 DTS1	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 - Option 1	xy=21	1794 DTS2	Pass	
Not chaining – 1 or 2 transmission errors then S(WTX				
request)				
1CF.108 Option 2	xy=00	-		Option NOT
Not chaining – 1 or 2 transmission errors then S(WTX	xy=01			supported
request				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=00			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=01			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=02			
request)			<u> </u>	
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=03		1	
request)		450/	+ -	1
1CF.109	0.4	1794 DTS1	Pass	1
Not chaining – Transmission error then S(WTX	xy=04		1	1
request)		1704 DE01	D	+
1CF.109	05	1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=05			
request)		1704 DTC1	Pass	1
1CF.109	WV-06	1794 DTS1	rass	1
Not chaining – Transmission error then S(WTX	xy=06		1	1
request) 1CF.109		1794 DTS1	Pass	
	WV-07	1/94 D181	rass	1
Not chaining – Transmission error then S(WTX	xy=07		1	
request)		1704 DTC1	Pass	
1CF.109	WV-08	1794 DTS1	rass	
Not chaining – Transmission error then S(WTX	xy=08		1	
request)		1704 DE01	Pass	
1CF.109	WV-00	1794 DTS1	rass	
Not chaining – Transmission error then S(WTX	xy=09			
request)				

IFM name: SEC1110-A5-02



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=10			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=11			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=12			
request)				
1CF.109		1794 DTS1	Pass	
Not chaining – Transmission error then S(WTX	xy=13			
request)				
1CF.110	xy=00	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=01	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=02	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	, ~2	1771 D 102	_ 300	1
_				
request 1CF.110	vv=02	1794 DTS2	Pass	1
	xy=03	1/94 D182	rass	1
Not chaining – 2 transmission errors then S(WTX				
request	0.4	4504 2550	D	
1CF.110	xy=04	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request			_	
1CF.110	xy=05	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=06	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=08	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=09	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				
request				
1CF.110	xy=10	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	11, 10	177122		
request				
1CF.110	xy=11	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX	Ay-11	1774 D152	1 455	
request				
1CF.110	12	1794 DTS2	Pass	
	xy=12	1794 D1S2	rass	
Not chaining – 2 transmission errors then S(WTX				
request	12	4	-	1
1CF.110	xy=13	1794 DTS2	Pass	
Not chaining – 2 transmission errors then S(WTX				1
request			1	
1CF.111	xy=00	1795 DTS	Pass	1
Not chaining – Error notification on S(WTX request)				
1CF.112 -Option 1	xy=00	1776 DTS	Pass	
Chaining – Transmission error				
1CF.112 - Option 1	xy=01	1776 DTS	Pass	
Chaining – Transmission error		-		1
	xy=02	1776 DTS	Pass	
				1
1CF.112 - Option 1	, 02			
1CF.112 - Option 1 Chaining – Transmission error	-			Ontion NOT
1CF.112 - Option 1 Chaining – Transmission error 1CF.112 Option 2	xy=00			Option NOT
1CF.112 - Option 1 Chaining – Transmission error	-	- 1776 DTS	Pass	Option NOT supported

# CETECOM Level 1 ICC Terminal Test Report IFM Vendor: SMSC

IFM name: SEC1110-A5-02



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.113	xy=01	1776 DTS	Pass	
Chaining – Syntax/semantic error	-			
1CF.113	xy=02	1776 DTS	Pass	
Chaining – Syntax/semantic error 1CF.113	02	1776 DTS	Pass	
Chaining – Syntax/semantic error	xy=03	17/6 D13	rass	
1CF.113	xy=04	1776 DTS	Pass	
Chaining – Syntax/semantic error	NJ-01	1770 D15		
1CF.113	xy=05	1776 DTS	Pass	
Chaining – Syntax/semantic error	•			
1CF.113	xy=06	1776 DTS	Pass	
Chaining – Syntax/semantic error				
1CF.113	xy=07	1776 DTS	Pass	
Chaining – Syntax/semantic error	00	177.C DTG	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=08	1776 DTS	Pass	
1CF.113	xy=09	1776 DTS	Pass	
Chaining – Syntax/semantic error	Ay-07	1770 D13	1 455	
1CF.113	xy=10	1776 DTS	Pass	
Chaining – Syntax/semantic error				
1CF.113	xy=11	1776 DTS	Pass	
Chaining – Syntax/semantic error				
1CF.114 - Option 1	xy=00	1781 DTS01	Pass	
Chaining – Excess of transmission errors	0.1	1501 PEG02	D.	
1CF.114 - Option 1	xy=01	1781 DTS02	Pass	
Chaining – Excess of transmission errors  1CF.114 - Option 1	ww-02	1781 DTS03	Pass	
Chaining – Excess of transmission errors	xy=02	1/81 D1303	1 ass	
1CF.114 Option 2	xy=00	-		Option NOT
Chaining – Excess of transmission errors	NJ-00			supported
1CF.115	00	1701 DTG04	Pass	
Chaining – Excess of Syntax/semantic errors	xy=00	1781 DTS04		
1CF.115	xy=01	1781 DTS05	Pass	
Chaining – Excess of Syntax/semantic errors	NJ-01	1701 2 1505		
1CF.115	xy=02	1781 DTS06	Pass	
Chaining – Excess of Syntax/semantic errors  1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=03	1781 DTS07	1 433	
1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=04	1781 DTS08		
1CF.115	05	1701 DEG00	Pass	
Chaining – Excess of Syntax/semantic errors	xy=05	1781 DTS09		
1CF.115	xy=06	1781 DTS10	Pass	
Chaining – Excess of Syntax/semantic errors	ху-00	1701 D1510		
1CF.115	xy=07	1781 DTS11	Pass	
Chaining – Excess of Syntax/semantic errors 1CF.115	-		Pass	
Chaining – Excess of Syntax/semantic errors	xy=08	1781 DTS12	rass	
1CF.115			Pass	
Chaining – Excess of Syntax/semantic errors	xy=09	1781 DTS13		
1CF.115	10	1701 PEG14	Pass	
Chaining – Excess of Syntax/semantic errors	xy=10	1781 DTS14		
1CF.115	xy=11	1781 DTS15	Pass	
Chaining – Excess of Syntax/semantic errors	NJ-11			
1CF.116	xy=00	1780 DTS	Pass	
Chaining – Excess of Error notifications	Ĩ	1787 DTS		
1CF.117	xy=00 - D=1	1792 DTS0	Pass	
Chaining – Reception of S(ABORT request)	xy=00 - D=1	1/92 D180	1 488	
		i		
	xv=01 - D=2	1792 DTS1	Pass	
1CF.117	xy=01 - D=2	1792 DTS1	Pass	
	xy=01 - D=2 xy=02 - D=4	1792 DTS1 1792 DTS2	Pass Pass	

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Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.118	xy=00	1777 DTS	Pass	
Chaining – Error notification on R-Block				
1CF.119 - Option 1	xy=00	1778 DTS	Pass	
Chaining – Transmission error in response to R-Block 1CF.119 - Option 1	01	1770 DTC	Pass	
Chaining – Transmission error in response to R-Block	xy=01	1778 DTS	rass	
1CF.119 - Option 1	xy=02	1778 DTS	Pass	
Chaining – Transmission error in response to R-Block	NJ=02	1770 D15		
1CF.119 Option 2	xy=00	-		Option NOT
Chaining – Transmission error in response to R-Block				supported
1CF.120	xy=00	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block	0.1	1770 DTC	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-	xy=01	1778 DTS	Pass	
Block				
1CF.120	xy=02	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	1-5 %-	1.7.4 = 12		
Block				
1CF.120	xy=03	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block				
1CF.120	xy=04	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-Block				
1CF.120	xy=05	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	Ay=03	1770 D15	1 405	
Block				
1CF.120	xy=06	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block			_	
1CF.120	xy=07	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block 1CF.120	xy=08	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	xy=08	1776 D13	1 433	
Block				
1CF.120	xy=09	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block				
1CF.120	xy=10	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block 1CF.120	vv-11	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	xy=11	1//6 013	1 455	
Block				
1CF.120	xy=12	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-	,			
Block				
1CF.120	xy=13	1778 DTS	Pass	
Chaining – Syntax/semantic error in response to R-				
Block 1CF.121 - Option 1	xy=00	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	Ay-00	1/04 DIS	1 435	
then transmission errors in a chain				
1CF.121 - Option 1	xy=01	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	,			
then transmission errors in a chain				
1CF.121 - Option 1	xy=02	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then transmission errors in a chain				



Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.121 Option 2	xy=00	-		Option NOT
Chaining – Error notification on last block of a chain	Ny-00			supported
then transmission errors in a chain				
1CF.122	xy=00	1783 DTS	Pass	
Chaining – Error notification on last block of a chain	Ny-00	1784 DTS		
then Syntax/semantic errors in a chain		1701 115		
1CF.122	xy=01	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	Ay=01	1704 D15	Luss	
then Syntax/semantic errors in a chain				
1CF.122	xy=02	1784 DTS	Pass	
	Xy=02	1704 D13	1 455	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain	02	1704 DTC	Pass	
1CF.122	xy=03	1784 DTS	rass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=04	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	1
then Syntax/semantic errors in a chain				
1CF.122	xy=05	1784 DTS	Pass	1
Chaining - Error notification on last block of a chain			1	
then Syntax/semantic errors in a chain				
1CF.122	xy=06	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	1
then Syntax/semantic errors in a chain			1	
1CF.122	xy=07	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	Ny-07	1701 115		
then Syntax/semantic errors in a chain				
1CF.122	xy=08	1784 DTS	Pass	
Chaining – Error notification on last block of a chain	Ay-06	1704 D13	1 433	
then Syntax/semantic errors in a chain	00	1504 P.BG	Pass	
1CF.122	xy=09	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=10	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=11	1784 DTS	Pass	
Chaining – Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=12	1784 DTS	Pass	
Chaining - Error notification on last block of a chain				
then Syntax/semantic errors in a chain				
1CF.122	xy=13	1784 DTS	Pass	
Chaining – Error notification on last block of a chain			1	1
then Syntax/semantic errors in a chain			1	
1CF.124	xy=00	1781 DTS01	Pass	
Chaining – Excess of errors with different deactivation	D=1- BWI=0	to		1
delays		1781 DTS15	1	
1CF.124	xy=01	1781 DTS13	Pass	+
Chaining – Excess of errors with different deactivation	D=1 – BWI=1	1/03 D1341	1 455	
delays	D-1 - D W I-1		1	1
	02	1705 DEG00	Pass	1
1CF.124	xy=02	1785 DTS22	rass	
Chaining – Excess of errors with different deactivation	D=1 - BWI=2		1	1
delays			-	_
1CF.124	xy=03	1785 DTS23	Pass	1
Chaining – Excess of errors with different deactivation	D=1 – BWI=3		1	
delays				
1CF.124	xy=04	1785 DTS24	Pass	1
Chaining – Excess of errors with different deactivation	D=1 - BWI=4		1	
delays				_1
1CF.124	xy=10	1785 DTS30	Pass	
101.124				1
Chaining – Excess of errors with different deactivation	D=2 - BWI=0			



Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comment
1CF.124	xy=11	1785 DTS31	Pass	
Chaining – Excess of errors with different deactivation	D=2-BWI=1			
delays				
1CF.124	xy=12	1785 DTS32	Pass	
Chaining – Excess of errors with different deactivation	D=2-BWI=2			
delays				
1CF.124	xy=13	1785 DTS33	Pass	
Chaining – Excess of errors with different deactivation	D=2-BWI=3			
delays				
1CF.124	xy=14	1785 DTS34	Pass	
Chaining – Excess of errors with different deactivation	D=2-BWI=4			
delays				
1CF.124	xy=20	1785 DTS40	Pass	
Chaining – Excess of errors with different deactivation	D=4-BWI=0			
delays				
1CF.124	xy=21	1785 DTS41	Pass	
Chaining – Excess of errors with different deactivation	D=4-BWI=1			
delays				
1CF.124	xy=22	1785 DTS42	Pass	
Chaining – Excess of errors with different deactivation	D=4-BWI=2			
delays				
1CF.124	xy=23	1785 DTS43	Pass	
Chaining – Excess of errors with different deactivation	D=4-BWI=3			
delays				
1CF.124	xy=24	1785 DTS44	Pass	
Chaining – Excess of errors with different deactivation	D=4-BWI=4			
delays				
1CF.126	xy=00	1813 DTS00	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS00		
request)- deactivation				
1CF.126	xy=01	1813 DTS10	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS10		
request)- deactivation				
1CF.126	xy=02	1813 DTS20	Pass	
Chaining – Excess of errors in response to S(IFS		1814 DTS20		
request)- deactivation				

NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

Laboratory Comments:

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case- not mandatory

CETECOM Test Report: 1-4559-1-2-12\_1\_CET Date: 2012-07-16  $File: \label{local_file} File: \label{file:local_file} File: \label{file:local_file:file:local_file:file:local_file:loc$ 



# 8.10 Configuration2: Terminal Transport Layer at Nominal Temperature

Test Case	Subtest Case	Laboratory	Results	Laboratory
Number		Test Script		Comments
1CF.151	xy=00	1701 DTS0	Pass	
Case 1 command				
1CF.152	xy=00	1702 DTS00	Pass	
Case 2 command with 6C	11,5 00	1734 DTS		
1CF.153	xy=00	1725 DTS	Pass	
Case 2 command – Error status	Ay-00	1744 DTS1	1 455	
1CF.154	xy=00	1709 DTS0	Pass	
Case 2 command with 6C and 61	xy=00	1709 D130	1 433	
1CF.155		1701 DTS0	Pass	
	xy=00		rass	
Case 3 command	0.0	1738 DTSx	Pass	
1CF.156	xy=00	1701 DTS0	Pass	
Case 4 command				
1CF.157	xy=00	1709 DTS0	Pass	
Case 4 command with 61				
1CF.158	xy=00	1709 DTS0	Pass	
Case 4 command – Warning following 61	лу-00	1707 D130		
1CF.158	xy=01	1709 DTS0	Pass	
Case 4 command – Warning following 61	лу-01	1709 1130		
1CF.159	xy=00	1740 DTS1	Pass	
Case 4 command – Status after command data	NJ-00	1740 DTS2		
Case 4 command – Status arter command data		1740 DTS3		
		1740 D133	_	
1CF.159	xy=01	1741 DTS1	Pass	
Case 4 command – Status after command data	Ay-01	1741 DTS2		
		1741 D132		
1CF.160	xy=00	1742 DTS1	Pass	
Case 4 command – Error notification following				
response data after 61				
1CF.160	xy=01	1742 DTS2	Pass	
Case 4 command – Error notification following				
response data after 61				
1CF.160	xy=02	1742 DTS3	Pass	
Case 4 command – Error notification following	Ny-02	1742 10103	1 455	
response data after 61				
1CF.160	xy=03	1742 DTS4	Pass	
	xy-03	1742 D134	1 433	
Case 4 command – Error notification following				
response data after 61	00	1510 DEG1	D	
1CF.161	xy=00	1743 DTS1	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.161	xy=01	1743 DTS2	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.161	xy=02	1743 DTS3	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.161	xy=03	1743 DTS4	Pass	
Case 4 command – Warning after data and error after				
GET RESPNSE				
1CF.162	xy=00	1744 DTS1	Pass	
Case 2, 3, 4 command – Status after command header	,=00	1,17,0101	1 400	
1CF.162	vv-01	1744 DTS2	Pass	
	xy=01	1/44 D182	1 455	
Case 2, 3, 4 command – Status after command header	02	1744 DE00	D	
1CF.162	xy=02	1744 DTS3	Pass	
Case 2, 3, 4 command – Status after command header		ENDDTS		

NA – Not Applicable

NT - Not Tested

NI: - Not Implemented

ICS - The manner in which the test may or may not be executed is Implementation Conformance Statement Depending

S- Supplementary Test Case- not mandatory

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Date: 2012-07-16

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 $File: \label{local_file} File: \label{file:local_file} File: \label{file:local_file:file:local_file:file:local_file:loc$ 

IFM name: SEC1110-A5-02



# 9. Annex

## 9.1 Annex A: Document History

Version	Applied Changes	Date of Release
	Initial Release	2012-07-16

#### 9.2 Annex B: Documents from IFM Provider

End of report	
Implementation Conformance Statement Configuration 2 Pages: 16	
Implementation Conformance Statement Configuration 1 Pages: 16	

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# Level 1 Implementation Conformance Statement v2.1

### (EMV 2000 - Version 4.0)

The Implementation Conformance Statement (ICS) describes how the EMV Specification—including optional elements—is implemented into the IFM. This description enables EMVCo and the accredited testing laboratories to identify and run the appropriate type approval tests on the IFM (also called the "implementation under test," or IUT).

If more than one IFM design is identified in the IUT, a separate ICS is required for each IFM and separate type approval for each design applies.

#### I Instructions

The ICS first page contains a signed letter from the IFM Provider confirming that the ICS document attached to the letter contains all the necessary information regarding the IFM and its conformance to the specification.

The ICS is designed as a fill-in-the-blanks questionnaire wherever possible. It must be filled out by the IFM provider. Some implemented features and specifications must be briefly described (text and schematics). For other features, especially the implemented protocols, values or a range of allowed values must be given.

Beside questions on technical aspects of the implementation relating to the EMV Specification and the testing itself, the ICS also contains information regarding the IFM for the purpose of accurately identifying the IFM on an approval letter.

All relevant information for identifying the company, requesting type approval, and identifying the IFMs to be tested must be put on the front page of the ICS:

- the full and official company name of the IFM provider
- the complete and official address of the IFM provider
- the name (or names) of a representative and contact person responsible for type approval (for technical and administrative purposes)
- all relevant phone numbers, fax numbers, and e-mail addresses for the representative and contact person
- the full name and brand of the IFM or terminal to be tested
- a serial number or production batch identification (or other pertinent identification) for each sample to be tested
- the date of production or assembly for each sample
- a footer on each page, filled out by the IFM provider, to be used for documentation identification and control in the type approval process, with the following information:
  - a document ID generated by the IFM provider's documentation numbering system
  - the date referring to the design of the samples to be tested
  - the registration number originally received from EMVCo

Additional pages (attachments with descriptions, drawings, and schematics) shall refer to the section to which they correspond, and vice versa, and shall be included in the page count of the document. Additional

documents (e.g., data sheets) shall be attached if necessary, and a list of all attached documents shall be added to the ICS.

Add any additional explanations and descriptions to the end of the questionnaire, as needed.

# **II** Notation

The following legend applies to all subsequent tables:

Optional the capability may be implemented as an option
 Mandatory the capability is required in all implementations
 Prohibited the capability must not be used
 Not applicable Conditional requirement can be expressed about this capability requirement depends on the selection of other optional or conditional items

# **III** Administrative Information

# 1. Company Name, Address, and the Contact Person Responsible for Type Approval

Note, the information in this section is utilized for communication (if required) between the laboratory and the vendor. EMVCo communication with the vendor utilizes the contact information established when the vendor registers with EMVCo.

EMVCo Registration #:
( <b>Mandatory</b> )Lokesh Johri Director, Software and Systems
SMSC
Land : +1 408-467-8312
Cell : +1 408-307-1534
Fax : +1 408-441-0463
2107 North First Street #660
San Jose, CA 95131 USA
Lokesh.Johri@smsc.com
I hereby declare that the referenced product information contained in this Implementation Conformance statement currently is in conformity with the following Specification:
☐ EMV Integrated Circuit Card Specification for Payment Systems, Version 4.0 dated December, 2000.
Name: Lokesh Johri
Signature: Lokesh Johri
Position: Director, Software and Systems
Date:June 26 ,2012

#### 2. IFM Identification

This part must be completed with the information to be used within the EMVCo approval letter, if the IFM is approved.

Designation	Name	Version
Name assigned by Vendor to uniquely identify the	SEC1110-A5-02	A1
IFM		
(Mandatory – must be completed)		
Name assigned by Vendor to uniquely identify this	Pelamis	Rev 1.0
IFM hardware		
(Mandatory – must be completed)		
Name assigned by Vendor to uniquely identify IFM	USBCCID_V2.09	V2.09
software		
(Mandatory - must be completed)		

#### 3. Terminal Identification

If EMVCo approval is issued, the IFM identification information provided in this section will be used on the EMVCo letter of approval and posted on the EMVCo website.

This identification information must agree with the information provided on the approval request letter and the test report submitted for EMVCo evaluation. Inconsistent identification information in these three documents may delay the approval process or may result in a decline for the approval request.

Description	Name
This is the device/terminal "Marketing name"	SEC1110
within which the IFM was tested.	
This terminal name will appear on the letter of	
approval, in addition to the IFM name.	

# 4. Test Sample Identification of Each (serial number, production batch, date, etc., for each IFM submitted to testing.

1. SN114		
2. SN15		
2. 51115		
3.		

### 5. Selection Method of the Test Samples

Describe the method you utilized to select the samples provided to the laboratory for type approval testing (e.g. production ready, or from the production line).

Attachment Reference:	
Production ready	
IV IFM Implementation (General)	
The questions in these sections address general implementations of the lall related EMV and terminal level 1 specifications.	FM and
·	
1. ICC Interface	
Please answer the following questions by marking the check boxes:	
a) How many ICC interfaces are in the IUT?	2
b) How many of these ICC interfaces are accessible to a cardholder?	2
c) How many of these ICC interfaces can be identified as an IFM in the IUT?	2
(as defined by the IFM provider)	
d) How many of these IFM are of different IFM types?	1
(each needs its own ICS)	Vac
e) For each of the above-mentioned IFM types, is the IFM type designed in conformity with the EMV Specification?	Yes
f) What is the minimum IFM ambient operating temperature allowed?	5
(IFM should operate in a range of 5°C to 40°C)	
g) What is the maximum IFM ambient operating temperature allowed?	70°°C
(IFM should operate in a range of 5°C to 40°C)	

# 2. Identifying the IFM within the IUT

 $(T_{ambient} = maximum allowed; P_{ICC} = 250 mW)$ 

Please attach a description of how the IFM can be identified within the IUT (if the IUT is not the IFM itself):

h) What is the max. Temperature inside the IFM(s) around the inserted ICC?

Attachment Reference:

70°°C

EMVLoopback_User_Manual.pdf	
O IFM Interference to the Deat of Township I	
3. IFM Interface to the Rest of Terminal	
Please describe the interface between the IFM and the rest of terminal:	
Attachment Reference:  EMVLoopback_User_Manual.pdf	
Elviv Edopback_Osei_iviaridai.pdi	
4. Test Software	
Any laboratory requirements needed for testing including any software application required interfaci with the laboratory test equipment. Within the EMVCo documents this is referred to as an Upper Te Please explain and describe where the appropriate test software is located i IUT, how it operates, and indicate its version:	ster.
Attachment Reference:  EMVLoopback_User_Manual.pdf	
V ICC Interface	
1. Terminal Characteristics (Mechanical)	
Please describe the contact footprint(s), the characteristics of the contacts (egliding contacts), location guides and clamps (if used), etc.(see <i>EMV2000</i> , El, §1.1.2, "Dimensions and location of contacts"):	-
Attachment Reference:	
2. Electrical Characteristics of C6	
Is the contact C6 connected to the IFM or isolated? (Select only one box below)	
C6 is electrically isolated from the IFM	Yes
C6 is connected to the IFM (For existing class A terminals only)	No

When C6 is connected, please describe its implemented electrical contact characteristics (see *EMV 2000*, Book I, §1.3.3, "Contact Assignment" and §1.4.3 "Programming voltage (VPP)"):

Attachment Reference:

None			

#### 3. Collision Detection

If a collision detection function is implemented, please describe the behavior of the IFM when a collision occurs (ICC and terminal are transmitting at the same time) (see *EMV2000*, Book I, §1.2.2, "input/output"):

Attachment Reference:

No Collision detection

#### 4. Recovery Behavior on Short Circuit

Please describe the behavior of the IFM or terminal if a short circuit occurs on the ICC contacts (includes long-term short circuit and the recovery behavior after removal of the short circuit, as well as time parameters):

Attachment Reference:

No damage will happen to the contacts and normal operation will continue once the short is removed.

#### 5. Use of Test Probes

Please indicate the ICC insertion/withdrawal functionality of the ICC interface in each IFM that shall be tested and approved:

### a) Manual ICC insertion/withdrawal

(ICC directly accessible and removable at all times)

#### b) Manual ICC insertion/withdrawal

(ICC directly accessible at all times but mechanically locked when electrically activated)

### c) Combination of manual and automatic ICC insertion/withdrawal

(ICC directly accessible at all times but mechanically locked when electrically activated)



y/



	y/ n
Ν	

#### d) Combination of manual and automatic ICC insertion/withdrawal

(ICC not directly accessible [completely inside the ICC Interface])

B. If you cannot check one of the insertion/withdrawal functionality above, please describe it in an attachment:
Attachment Reference:
d) cannot be tested since the ICC is accessible at all times
C. If the ICC is mechanically locked or completely located inside the ICC interface (while it is electrically activated), please describe how it is accessible to the cardholder at any time (see <i>EMV2000</i> , Book I, §1.1, "Mechanical Characteristics of the ICC").
Attachment Reference:
NA
D. When applicable, please describe how the lock mechanism for an inserted ICC can be overridden for test purposes (during the testing, a test probe must be inserted and withdrawn several times without manual intervention):
Attachment Reference:
NA
E. With drawings and directions, please describe exactly how an ICC must be inserted and withdrawn from the ICC interface of the IUT during type approval tests:  Attachment Reference:
USX101x_EMV_Setup.doc
USATUTX_EIVIV_Setup.doc

# 6. Power Supply

A. Please indicate the IUT power supply requirements:

a)	Battery-operated IUT	No
	(The battery is the only source of power to the IUT)	<u></u>
	Type of batteries required	
	(Please specify an established standard type whenever possible)	
	Nominal voltage of batteries required	V
b)	DC-operated IUT	No
•	(The source of power to the IUT is an input of DC power)	<u> </u>
	Nominal voltage of DC supply required	V
	Minimum voltage of DC supply for correct operation	V
	minimum voltage of Bo supply for correct operation	
	Maximum voltage of DC supply for correct operation	V
	Maximum current of DC supply required	А
c)	Mains-operated IUT	Ye
	(The main AC power supply is the only source of power to the IUT)	S
	Nominal voltage of AC supply required	11
	Nominal Voltage of AC supply required	0V
	Minimum voltage of AC supply for correct operation	10
		0V
	Maximum voltage of AC supply for correct operation	24
		0V
	Nominal frequency of AC supply	47
		63
		Hz

B. When option d is selected above, please describe precisely how the IUT is powered and attach a diagram:

Attachment Reference:

None

C. Please describe what happens when the primary source of power is removed from the IUT during operation (with an ICC inserted):

Attachment Reference:

No damage is caused to the IUT. The IUT will lost all memory of transaction and will start execution from the beginning.

# VI Implemented Protocol Types

Please mark the boxes with yes or no:

Item number	Protocol type	Reference	Status	Support (Y/N)
	ATR	EMV 2000, §4	m	Yes
2	Character protocol T=0	EMV 2000, §5.2.2	m	Yes
3	Block protocol T=1	EMV 2000, §5.2.4	m	Yes
4	Transport of APDUs by T=0	EMV 2000, §5.3.1	m	Yes
5	Transport of APDUs by T=1	EMV 2000, §5.3.2	m	Yes

# VII General Protocol Information

Please answer the questions by marking the boxes:

Item	Parameter		Reference	Value(s)
number 1	Maximum time to issue a warm reset?		EMV 2000, §2.1.3.2	200 clock
			, 0	cycles
2	Maximum time to issue a deactivation?		EMV 2000, §2.1.5	100ms
3	Maximum time for the terminal to transmit a co	_	CWT	
	receiving data from the card?			
4	Does the terminal reject an ICC returning TCK in a T=0		EMV 2000, §4.3.4	Yes
	ATR?			
5	Does the terminal continue the card session as so	oon as all	EMV 2000, §4.3.4	Yes
	characters indicated in T0 and/or TDi have been	n received?		
6	Implicit negotiable mode (without PPS)	m	EMV 2000, §4.2, 5	Yes
7	Explicit negotiable mode (with PPS)	0*	EMV 2000, §4.2, 5	

<sup>\*:</sup> outside the scope of the EMV 2000 specification

# VIII Protocol — Timing

Please answer the questions by marking the boxes with the maximum timing allowed by the terminal before it ends the session:

Item	Parameter	Reference	Status	Maximum	Maximum
number				allowed*	supported
1.	Maximum ATR duration	EMV 2000,	m	20,160 etus	20,160 etus
	before warm reset or	§4.4			
	deactivation?	(6th bullet)			
2.	Maximum inter-character time	EMV 2000,	m	10,080 etus	10,080 etus
	supported before deactivation	§4.4			
	during ATR?	(5th bullet)			
3.	Default work waiting time in	EMV 2000,	m	D x 10,080 etus	D x 10,080 etus
	T=0?	§5.2.2.1			
4.	Work waiting time in T=0 with	EMV 2000,	c1	D x (960 x WI etus +	D x (960 x WI etus +
	"01" ≤TC2 ≤ "09"?	§5.2.2.1		480) etus	480) etus
5.	Maximum block waiting time	EMV 2000,	m	$(2^{BWI} \times 960 \times 372 \times D /$	$(2^{BWI} \times 960 \times 372 \times$
	supported before error	§5.2.4.2.2		F) + $11 + D \times 960$ etus	$D/F$ ) + 11+ $D \times 960$
	correction in T=1?				etus
6.	Maximum character waiting	EMV 2000,	m	16 etus for $CWI = 0$ to	16 etus for $CWI = 0$
	time supported before	§5.2.4.2.2		47  etus for CWI = 5	to 47 etus for CWI =
	deactivation or block				5
	retransmission request in				
	T=1?				

c1: applies only if the terminal is able to support such values of TC2.

# IX Answer to Reset

### 1. Parameter Values for ATR

Please supply the supported values:

<sup>\*</sup> The minimum allowed is above the given value in a strict inequality meaning.

Item	Parameter	Reference	Status	s Values			
number				Allowed	Supported		
1	TS	EMV 2000, §4.3.1	m	"3F," '3B"	"3F," '3B"		
2	TA1	EMV 2000, §4.3.3.1	m	"11" – "12" and "13"	"11" – "12" and "13"		
3	TA1	EMV 2000, §4.3.3.1	c1	"00" "10" and "14" "FF"	Not supported		
4	TA1	EMV 2000, §4.3.3.1	m	TA1 absent	TA1 absent		
5	TB1	EMV 2000, §4.3.3.2	m	"00" (cold reset)	"00" (cold reset)		
6	TB1	EMV 2000, §4.3.3.2	m	any value (warm reset)	any value (warm reset)		
7	TB1	EMV 2000, §4.3.3.2	m	TB1 absent (warm reset)	TB1 absent (warm reset)		
8	TC1	EMV 2000, §4.3.3.3	m	any value	any value		
				and $(2^{CWI} > (N+1) \text{ if } T=1)$	and $(2^{\text{CWI}} > (N+1) \text{ if } T=1)$		
9	TC1	EMV 2000, §4.3.3.3	m	TC1 absent	TC1 absent		
10	TD1	EMV 2000, §4.3.3.4		m.s. nibble: any* l.s. nibble: "0," "1"	m.s. nibble: any* l.s. nibble: "0," "1"		
11	TD1	EMV 2000, §4.3.3.4	m	TD1 absent	TD1 absent		
12	TA2	EMV 2000, §4.3.3.5	m	TA2 absent or having any value with b5=0	TA2 absent or having any value with b5=0		
13	TB2	EMV 2000, §4.3.3.6	p**	None			
14	TC2	EMV 2000, §4.3.3.7	m	"0A"	"0A"		
15	TC2	EMV 2000, §4.3.3.7	p**	"00"			
16	TC2	EMV 2000, §4.3.3.7	c1	"01" "09" and "0B" "FF"	"01" "09" and "0B" "FF"		
17	TD2	EMV 2000, §4.3.3.8	(T=1)	m.s. nibble: any* l.s. nibble: "1," "E"	m.s. nibble: any* l.s. nibble: "1," "E"		
18	TD2	EMV 2000, §4.3.3.8	p**	l.s. nib. neither "1" nor "E"			
19	TA3	EMV 2000, §4.3.3.9	<b>m</b> (T=1)	"10" "FE"	"10" "FE"		
20	TA3	EMV 2000, §4.3.3.9	p**	"00" "0F," "FF"			
21	TA3	EMV 2000, §4.3.3.9	<b>m</b> (T=1)	TA3 absent	TA3 absent		
22	TB3	EMV 2000, §4.3.3.10	(T=1)		m.s. nibble: "0" "4" <i>and</i> 1.s. nibble: "0" "5" <i>and</i> $2^{\text{CWI}} > (\text{N+1})$		
23	TB3	EMV 2000, §4.3.3.10	1	m.s. nibble > "4" or l.s. nibble > "5" or $2^{\text{CWI}} \le (N+1)$			
24	TB3	EMV 2000, §4.3.3.10	p**	TB3 absent			
25	TC3	EMV 2000, §4.3.3.11	<b>m</b> (T=1)	TC3 = "00"	TC3 = "00"		
26	TC3	EMV 2000, §4.3.3.11	p**	TC3 ≠ "00"			

c1: the terminal may allow specific mode or value only if it is able to support it.

\* Provided the values are consistent with characters actually returned.

\*\* Shaded boxes indicate a prohibited capability.

# X Protocol T=0

### 1. Parameter Values for T=0

Please supply the supported values:

Item number	Parameter	Reference	Status	Values		
number				Allowed	Supported	
1	Terminal minimum	EMV 2000, §5.2.2.1	m	"12" "266"	"12" "266"	
	inter-character time	(according to TC1)				
2	ICC minimum inter-	EMV 2000, §5.2.2.1	m	"11.8"	"11.8"	
	character time					
3	ICC-terminal	EMV 2000, §5.2.2.1	m	"15"	"15"	
	minimum inter-					
	character time					
4	Terminal–ICC	EMV 2000, §5.2.2.1	m	"16"	"16"	
	minimum inter-					
	character time					

# XI Protocol T=1

# 1. Implemented Features

Please mark the boxes with yes or no:

Item	Function	Reference	Status	Support
number				(Y/N)
1	Node addressing: received NAD ≠ "00"	EMV 2000, §5.2.4.1.1.1	О	No
2	Byte wise parity checking	EMV 2000, §5.2.5	m	Yes
3	Behaviour on BWT or WTX excess	EMV 2000, §5.2.5.1	c1-1	Yes
			c1-2	

c1: on BWT or WTX excess, the IFM shall implement one of the two following behaviours :

c1-1: deactivate

c1-2: request for block retransmission

# 2. Block Types

Please mark the boxes with yes or no.

Item	Block	Reference	Sending		Receipt	
number			Status	Support	Status	Support
				(Y/N)		(Y/N)
1	I-block	EMV 2000, §5.2.4.1.1.2	m	Yes	m	Yes
2	R-block	EMV 2000, §5.2.4.1.1.2	m	Yes	m	Yes
3	Chained I-blocks	EMV 2000, §5.2.4.4	m	Yes	m	Yes
4	S(RESYNCH request)	EMV 2000, §5.2.5.1 / 8.	c1	Yes	m*	Yes
		and note				
4a	S(RESYNCH request)	<i>EMV 2000</i> , §5.2.5.1 / 8. and	c2	No	m*	Yes
		note				

Item	Block	Reference	Sending		Receipt	
number			Status	Support (Y/N)	Status	Support (Y/N)
5	S(RESYNCH response)	EMV 2000, §5.2.5.1 / 8.	p**		0***	Yes
	(c1/c2)	note				
6	S(RESYNCH response)	EMV 2000, §5.2.5.1 / 8.	p**		m***	
	(else)	note				
7	S(IFS request) with INF =	EMV 2000, §5.2.4.3 / 1.	m	Yes	n/a	
	'FE' is the first block sent					
	following ATR					
8	S(IFS request) otherwise	EMV 2000, §5.2.4.3 / 1	p**		m	Yes
9	S(IFS response)	EMV 2000, §5.2.4.3 / 3.	m	Yes	m	Yes
10	S(ABORT request)	EMV 2000, §5.2.5.1 / 9. and	p**		m	Yes
		note				
11	S(ABORT response)	<i>EMV 2000</i> , §5.2.5.1 / 9. and	c3	No	m*	Yes
		note				
12	S(WTX request)	<i>EMV 2000</i> , §5.2.4.3 / 10.	p**		m	Yes
13	S(WTX response)	EMV 2000, §5.2.4.3 / 10.	m	Yes	m*	Yes
14	Vpp error request	EMV 2000, §5.2.4.1.1.2	p**		m*	Yes
		note 8				
15	Vpp error response	EMV 2000, §5.2.4.1.1.2 note 8	p**		m*	Yes

c1: the terminal may issue a S(RESYNCH request) if it supports ISO-compliant resynchronization for proprietary reasons; otherwise, it shall deactivate the ICC contacts when loosing synchronization.

- c2: strictly identical to c1 except that the resynch is proprietary and not ISO compliant
- c3: when the terminal receives an S(ABORT request), it may issue an S(ABORT response) if it supports abortion; otherwise, it shall deactivate the ICC contacts.

#### 3. Parameter Values for T=1

#### Please supply the supported values:

Item number	Parameter	Reference	Status	Values		
	LEN of INF	EMV 2000, §5.2.4.1.1.3		Allowed "0" "254"	Supported "0" "254"	
		reference specification	m	0 234	0 234	
2	IFSD	EMV 2000, §5.2.4.2.1	m	"254"	"254"	
3	TC1 minimum	EMV 2000, §5.2.4.2.2	m	"11" "42"	"11" "42"	
	ICC intercharacter minimum time	EMV 2000, §5.2.4.2.2	m	"10.8"	"10.8"	
		EMV 2000, §5.2.4.2.2	m	"21"	"21"	

#### IMPLEMENTATION CONFORMANCE STATEMENT – Revision History

#### V2.1 (Mandatory starting 30<sup>th</sup> of April, 2007)

<sup>\*</sup> the ICC sending this type of block is a protocol error; the terminal shall apply *EMV 2000*, §5.2.5 ("Error Detection and Correction for T=1").

<sup>\*\*</sup> Shaded boxes indicate a prohibited capability.

<sup>\*\*\*</sup> optional for cases related to c1/c2; otherwise, mandatory as protocol error.

- Part IV, 1, f): the minimum IFM ambient operating temperature allowed shall be entered
- Part IV, 1, g): the maximum IFM ambient operating temperature allowed shall be entered
- Part V, 2: indicate if the contact C6 is connected to the IFM or isolated

# Level 1 Implementation Conformance Statement v2.1

### (EMV 2000 - Version 4.0)

The Implementation Conformance Statement (ICS) describes how the EMV Specification—including optional elements—is implemented into the IFM. This description enables EMVCo and the accredited testing laboratories to identify and run the appropriate type approval tests on the IFM (also called the "implementation under test," or IUT).

If more than one IFM design is identified in the IUT, a separate ICS is required for each IFM and separate type approval for each design applies.

#### I Instructions

The ICS first page contains a signed letter from the IFM Provider confirming that the ICS document attached to the letter contains all the necessary information regarding the IFM and its conformance to the specification.

The ICS is designed as a fill-in-the-blanks questionnaire wherever possible. It must be filled out by the IFM provider. Some implemented features and specifications must be briefly described (text and schematics). For other features, especially the implemented protocols, values or a range of allowed values must be given.

Beside questions on technical aspects of the implementation relating to the EMV Specification and the testing itself, the ICS also contains information regarding the IFM for the purpose of accurately identifying the IFM on an approval letter.

All relevant information for identifying the company, requesting type approval, and identifying the IFMs to be tested must be put on the front page of the ICS:

- the full and official company name of the IFM provider
- the complete and official address of the IFM provider
- the name (or names) of a representative and contact person responsible for type approval (for technical and administrative purposes)
- all relevant phone numbers, fax numbers, and e-mail addresses for the representative and contact person
- the full name and brand of the IFM or terminal to be tested
- a serial number or production batch identification (or other pertinent identification) for each sample to be tested
- the date of production or assembly for each sample
- a footer on each page, filled out by the IFM provider, to be used for documentation identification and control in the type approval process, with the following information:
  - a document ID generated by the IFM provider's documentation numbering system
  - the date referring to the design of the samples to be tested
  - the registration number originally received from EMVCo

Additional pages (attachments with descriptions, drawings, and schematics) shall refer to the section to which they correspond, and vice versa, and shall be included in the page count of the document. Additional

documents (e.g., data sheets) shall be attached if necessary, and a list of all attached documents shall be added to the ICS.

Add any additional explanations and descriptions to the end of the questionnaire, as needed.

# **II** Notation

The following legend applies to all subsequent tables:

Optional the capability may be implemented as an option
 Mandatory the capability is required in all implementations
 Prohibited the capability must not be used
 Not applicable Conditional requirement can be expressed about this capability requirement depends on the selection of other optional or conditional items

# **III** Administrative Information

# 1. Company Name, Address, and the Contact Person Responsible for Type Approval

Note, the information in this section is utilized for communication (if required) between the laboratory and the vendor. EMVCo communication with the vendor utilizes the contact information established when the vendor registers with EMVCo.

EMVCo Registration #:
( <b>Mandatory</b> )Lokesh Johri Director, Software and Systems
SMSC
Land : +1 408-467-8312
Cell : +1 408-307-1534
Fax : +1 408-441-0463
2107 North First Street #660
San Jose, CA 95131 USA
Lokesh.Johri@smsc.com
I hereby declare that the referenced product information contained in this Implementation Conformance statement currently is in conformity with the following Specification:
☐ EMV Integrated Circuit Card Specification for Payment Systems, Version 4.0 dated December, 2000.
Name: Lokesh Johri
Signature: Lokesh Johri
Position: Director, Software and Systems
Date:June 26 ,2012

#### 2. IFM Identification

This part must be completed with the information to be used within the EMVCo approval letter, if the IFM is approved.

Designation	Name	Version
Name assigned by Vendor to uniquely identify the	SEC1110-A5-02	A1
IFM		
(Mandatory – must be completed)		
Name assigned by Vendor to uniquely identify this	Pelamis	Rev 1.0
IFM hardware		
(Mandatory – must be completed)		
Name assigned by Vendor to uniquely identify IFM	USBCCID_V2.09	V2.09
software		
(Mandatory - must be completed)		

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This identification information must agree with the information provided on the approval request letter and the test report submitted for EMVCo evaluation. Inconsistent identification information in these three documents may delay the approval process or may result in a decline for the approval request.

Description	Name
This is the device/terminal "Marketing name"	SEC1110
within which the IFM was tested.	
This terminal name will appear on the letter of	
approval, in addition to the IFM name.	

# 4. Test Sample Identification of Each (serial number, production batch, date, etc., for each IFM submitted to testing.

1. SN114		
2. SN15		
2. 51115		
3.		

### 5. Selection Method of the Test Samples

Describe the method you utilized to select the samples provided to the laboratory for type approval testing (e.g. production ready, or from the production line).

Attachment Reference:	
Production ready	
IV IFM Implementation (General)	
The questions in these sections address general implementations of the lall related EMV and terminal level 1 specifications.	FM and
·	
1. ICC Interface	
Please answer the following questions by marking the check boxes:	
a) How many ICC interfaces are in the IUT?	2
b) How many of these ICC interfaces are accessible to a cardholder?	2
c) How many of these ICC interfaces can be identified as an IFM in the IUT?	2
(as defined by the IFM provider)	
d) How many of these IFM are of different IFM types?	1
(each needs its own ICS)	Vac
e) For each of the above-mentioned IFM types, is the IFM type designed in conformity with the EMV Specification?	Yes
f) What is the minimum IFM ambient operating temperature allowed?	5
(IFM should operate in a range of 5°C to 40°C)	
g) What is the maximum IFM ambient operating temperature allowed?	70°°C
(IFM should operate in a range of 5°C to 40°C)	

# 2. Identifying the IFM within the IUT

 $(T_{ambient} = maximum allowed; P_{ICC} = 250 mW)$ 

Please attach a description of how the IFM can be identified within the IUT (if the IUT is not the IFM itself):

h) What is the max. Temperature inside the IFM(s) around the inserted ICC?

Attachment Reference:

70°°C

EMVLoopback_User_Manual.pdf	
O IFM Interference to the Deat of Township I	
3. IFM Interface to the Rest of Terminal	
Please describe the interface between the IFM and the rest of terminal:	
Attachment Reference:  EMVLoopback_User_Manual.pdf	
Elviv Edopback_Osei_iviaridai.pdi	
4. Test Software	
Any laboratory requirements needed for testing including any software application required interfaci with the laboratory test equipment. Within the EMVCo documents this is referred to as an Upper Te Please explain and describe where the appropriate test software is located i IUT, how it operates, and indicate its version:	ster.
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V ICC Interface	
1. Terminal Characteristics (Mechanical)	
Please describe the contact footprint(s), the characteristics of the contacts (egliding contacts), location guides and clamps (if used), etc.(see <i>EMV2000</i> , El, §1.1.2, "Dimensions and location of contacts"):	-
Attachment Reference:	
2. Electrical Characteristics of C6	
Is the contact C6 connected to the IFM or isolated? (Select only one box below)	
C6 is electrically isolated from the IFM	Yes
C6 is connected to the IFM (For existing class A terminals only)	No

When C6 is connected, please describe its implemented electrical contact characteristics (see *EMV 2000*, Book I, §1.3.3, "Contact Assignment" and §1.4.3 "Programming voltage (VPP)"):

Attachment Reference:

None			

#### 3. Collision Detection

If a collision detection function is implemented, please describe the behavior of the IFM when a collision occurs (ICC and terminal are transmitting at the same time) (see *EMV2000*, Book I, §1.2.2, "input/output"):

Attachment Reference:

No Collision detection

#### 4. Recovery Behavior on Short Circuit

Please describe the behavior of the IFM or terminal if a short circuit occurs on the ICC contacts (includes long-term short circuit and the recovery behavior after removal of the short circuit, as well as time parameters):

Attachment Reference:

No damage will happen to the contacts and normal operation will continue once the short is removed.

#### 5. Use of Test Probes

Please indicate the ICC insertion/withdrawal functionality of the ICC interface in each IFM that shall be tested and approved:

### a) Manual ICC insertion/withdrawal

(ICC directly accessible and removable at all times)

#### b) Manual ICC insertion/withdrawal

(ICC directly accessible at all times but mechanically locked when electrically activated)

### c) Combination of manual and automatic ICC insertion/withdrawal

(ICC directly accessible at all times but mechanically locked when electrically activated)



y/



	y/ n
Ν	

#### d) Combination of manual and automatic ICC insertion/withdrawal

(ICC not directly accessible [completely inside the ICC Interface])

B. If you cannot check one of the insertion/withdrawal functionality above, please describe it in an attachment:					
Attachment Reference:					
d) cannot be tested since the ICC is accessible at all times					
C. If the ICC is mechanically locked or completely located inside the ICC interface (while it is electrically activated), please describe how it is accessible to the cardholder at any time (see <i>EMV2000</i> , Book I, §1.1, "Mechanical Characteristics of the ICC").					
Attachment Reference:					
NA					
D. When applicable, please describe how the lock mechanism for an inserted ICC can be overridden for test purposes (during the testing, a test probe must be inserted and withdrawn several times without manual intervention):					
Attachment Reference:					
NA					
E. With drawings and directions, please describe exactly how an ICC must be inserted and withdrawn from the ICC interface of the IUT during type approval tests:  Attachment Reference:					
USX101x_EMV_Setup.doc					
USATUTX_EIVIV_Setup.doc					

# 6. Power Supply

A. Please indicate the IUT power supply requirements:

a)	Battery-operated IUT		No
	(The battery is the only source of power to the IUT)	_	
	Type of batteries required		
	(Please specify an established standard type whenever possible)		
	Nominal voltage of batteries required		V
b)	DC-operated IUT	Γ	No
,	(The source of power to the IUT is an input of DC power)	L	
	Nominal voltage of DC supply required		V
	Minimum voltage of DC supply for correct operation		V
	Maximum valtage of DC assembly for assembly an arction		V
	Maximum voltage of DC supply for correct operation		V
	Maximum current of DC supply required		A
c)	Mains-operated IUT		Yes
	(The main AC power supply is the only source of power to the IUT)	L	
	Nominal voltage of AC supply required		110V
	Minimum voltage of AC supply for correct operation		100V
	Maximum voltage of AC supply for correct operation		240V
	Nominal frequency of AC supply		47- 63Hz
d)	Combination of battery and DC or mains		No

B. When option d is selected above, please describe precisely how the IUT is powered and attach a diagram:

Attachment Reference:		
Nana		
None		

C. Please describe what happens when the primary source of power is removed from the IUT during operation (with an ICC inserted):

Attachment Reference:

No damage is caused to the IUT. The IUT will lost all memory of transaction and will start execution from the beginning.

# VI Implemented Protocol Types

Please mark the boxes with yes or no:

Item	Protocol type	Reference	Status	Support (Y/N)
number 1	ATR	EMV 2000, §4	m	Yes
2	Character protocol T=0	EMV 2000, §5.2.2	m	Yes
3	Block protocol T=1	EMV 2000, §5.2.4	m	Yes
4	Transport of APDUs by T=0	EMV 2000, §5.3.1	m	Yes
5	Transport of APDUs by T=1	EMV 2000, §5.3.2	m	Yes

# VII General Protocol Information

Please answer the questions by marking the boxes:

Item	Parameter	Reference	Value(s)
number			I
1	Maximum time to issue a warm reset?	EMV 2000, §2.1.3.2	200 clock
			cycles
2	Maximum time to issue a deactivation?	EMV 2000, §2.1.5	100ms

3	Maximum time for the terminal to transmit a co	mmand after	_	CWT
	receiving data from the card?			
4	Does the terminal reject an ICC returning TCK	in a T=0	EMV 2000, §4.3.4	Yes
	ATR?			
5	Does the terminal continue the card session as so	oon as all	EMV 2000, §4.3.4	Yes
	characters indicated in T0 and/or TDi have been	received?		
6	Implicit negotiable mode (without PPS)	m	EMV 2000, §4.2, 5	Yes
7	Explicit negotiable mode (with PPS)	0*	EMV 2000, §4.2, 5	Yes

<sup>\*:</sup> outside the scope of the EMV 2000 specification

# VIII Protocol — Timing

Please answer the questions by marking the boxes with the maximum timing allowed by the terminal before it ends the session:

Item	Parameter	Reference	Status	Maximum	Maximum
number				allowed*	supported
1.	Maximum ATR duration	EMV 2000,	m	20,160 etus	20,160 etus
	before warm reset or	§4.4			
	deactivation?	(6th bullet)			
2.	Maximum inter-character time	EMV 2000,	m	10,080 etus	10,080 etus
	supported before deactivation	§4.4			
	during ATR?	(5th bullet)			
3.	Default work waiting time in	EMV 2000,	m	D x 10,080 etus	D x 10,080 etus
	T=0?	§5.2.2.1			
4.	Work waiting time in T=0 with	EMV 2000,	c1	D x (960 x WI etus +	D x (960 x WI etus +
	"01" ≤TC2 ≤ "09"?	§5.2.2.1		480) etus	480) etus
5.	Maximum block waiting time	EMV 2000,	m	$(2^{BWI} \times 960 \times 372 \times D /$	$(2^{BWI} \times 960 \times 372 \times 10^{-3})$
	supported before error	§5.2.4.2.2		F) + $11 + D \times 960$ etus	$D/F$ ) + 11+ $D \times 960$
	correction in T=1?				etus
6.	Maximum character waiting	EMV 2000,	m	16 etus for $CWI = 0$ to	16 etus for $CWI = 0$
	time supported before	§5.2.4.2.2		47  etus for CWI = 5	to 47 etus for CWI =
	deactivation or block				5
	retransmission request in				
	T=1?				

c1: applies only if the terminal is able to support such values of TC2.

# IX Answer to Reset

## 1. Parameter Values for ATR

Please supply the supported values:

Item	Parameter	Reference	Status	Values		
number				Allowed	Supported	
1	TS	EMV 2000, §4.3.1	m	"3F," '3B"	"3F," '3B"	
2	TA1	EMV 2000, §4.3.3.1	m	"11" – "12" and "13"	"11" – "12" and "13"	

<sup>\*</sup> The minimum allowed is above the given value in a strict inequality meaning.

Item	Parameter	Reference	Status	Val	ies
number				Allowed	Supported
3	TA1	EMV 2000, §4.3.3.1	c1	"00" "10" and "14" "FF"	Not supported
4	TA1	EMV 2000, §4.3.3.1	m	TA1 absent	TA1 absent
5	TB1	EMV 2000, §4.3.3.2	m	"00" (cold reset)	"00" (cold reset)
6	TB1	EMV 2000, §4.3.3.2	m	any value (warm reset)	any value (warm reset)
7	TB1	EMV 2000, §4.3.3.2	m	TB1 absent (warm reset)	TB1 absent (warm reset)
8	TC1	EMV 2000, §4.3.3.3	m	any value	any value
				and $(2^{CWI} > (N+1) \text{ if } T=1)$	and $(2^{\text{CWI}} > (N+1) \text{ if } T=1)$
9	TC1	EMV 2000, §4.3.3.3	m	TC1 absent	TC1 absent
10	TD1	EMV 2000, §4.3.3.4	m	m.s. nibble: any* l.s. nibble: "0," "1"	m.s. nibble: any* l.s. nibble: "0," "1"
11	TD1	EMV 2000, §4.3.3.4	m	TD1 absent	TD1 absent
12	TA2	EMV 2000, §4.3.3.5	m	TA2 absent or having any value with b5=0	TA2 absent or having any value with b5=0
13	TB2	EMV 2000, §4.3.3.6	p**	None	
14	TC2	EMV 2000, §4.3.3.7	m	"0A"	"0A"
15	TC2	EMV 2000, §4.3.3.7	p**	"00"	
16	TC2	EMV 2000, §4.3.3.7	c1	"01" "09" and "0B" "FF"	"01" "09" and "0B" "FF"
17	TD2	EMV 2000, §4.3.3.8		m.s. nibble: any*	m.s. nibble: any*
18	TD2	EMV 2000, §4.3.3.8		l.s. nibble: "1," "E" l.s. nib. neither "1" nor "E"	l.s. nibble: "1," "E"
19	TA3	EMV 2000, §4.3.3.9	m	"10" "FE"	"10" "FE"
20	TA3	EMV 2000, §4.3.3.9	(T=1) p**	"00" "0F," "FF"	
21	TA3	EMV 2000, §4.3.3.9	m	TA3 absent	TA3 absent
21	IAJ	EM V 2000, §4.3.3.9	(T=1)	TAS absent	1 A3 absciit
22	TB3	EMV 2000, §4.3.3.10	m	m.s. nibble: "0" "4" and	
				l.s. nibble: "0" "5" and 2 <sup>CWI</sup> > (N+1)	and 1.s. nibble: "0" "5" and 2 <sup>CWI</sup> > (N+1)
23	TB3	EMV 2000, §4.3.3.10	-	m.s. nibble > "4" or l.s. nibble > "5" or $2^{\text{CWI}} \le (N+1)$	
24	TB3	EMV 2000, §4.3.3.10	p**	TB3 absent	
25	TC3	EMV 2000, §4.3.3.11	<b>m</b> (T=1)	TC3 = "00"	TC3 = "00"
26	TC3	EMV 2000, §4.3.3.11	p**	TC3 ≠ "00"	

c1: the terminal may allow specific mode or value only if it is able to support it.

\* Provided the values are consistent with characters actually returned.

\*\* Shaded boxes indicate a prohibited capability.

# X Protocol T=0

### 1. Parameter Values for T=0

Please supply the supported values:

Item number	Parameter	Reference	Status	Values	
number				Allowed	Supported
1	Terminal minimum	EMV 2000, §5.2.2.1	m	"12" "266"	"12" "266"
	inter-character time	(according to TC1)			
2	ICC minimum inter-	EMV 2000, §5.2.2.1	m	"11.8"	"11.8"
	character time				
3	ICC-terminal	EMV 2000, §5.2.2.1	m	"15"	"15"
	minimum inter-				
	character time				
4	Terminal–ICC	EMV 2000, §5.2.2.1	m	"16"	"16"
	minimum inter-				
	character time				

# XI Protocol T=1

# 1. Implemented Features

Please mark the boxes with yes or no:

Item	Function	Reference	Status	Support
number				(Y/N)
1	Node addressing: received NAD ≠ "00"	EMV 2000, §5.2.4.1.1.1	О	No
2	Byte wise parity checking	EMV 2000, §5.2.5	m	Yes
3	Behaviour on BWT or WTX excess	EMV 2000, §5.2.5.1	c1-1	No
			c1-2	Yes

c1: on BWT or WTX excess, the IFM shall implement one of the two following behaviours :

c1-1: deactivate

c1-2: request for block retransmission

# 2. Block Types

Please mark the boxes with yes or no.

Item	Block	Reference	Sending		Receipt	
number			Status	Support (Y/N)	Status	Support (Y/N)
1	I-block	EMV 2000, §5.2.4.1.1.2	m	Yes	m	Yes
2	R-block	EMV 2000, §5.2.4.1.1.2	m	Yes	m	Yes
3	Chained I-blocks	EMV 2000, §5.2.4.4	m	Yes	m	Yes
4	S(RESYNCH request)	EMV 2000, §5.2.5.1 / 8.	c1	No	m*	Yes
4a	S(RESYNCH request)	and note <i>EMV 2000</i> , §5.2.5.1 / 8. and	c2	No	m*	Yes
		note				

Item	Block	Reference	Se	nding	R	eceipt
number			Status	Support (Y/N)	Status	Support (Y/N)
5	S(RESYNCH response)	EMV 2000, §5.2.5.1 / 8.	p**		0***	Yes
	(c1/c2)	note				
6	S(RESYNCH response)	EMV 2000, §5.2.5.1 / 8.	p**		m***	
	(else)	note				
7	S(IFS request) with INF =	EMV 2000, §5.2.4.3 / 1.	m	Yes	n/a	Yes
	'FE' is the first block sent					
	following ATR					
8	S(IFS request) otherwise	EMV 2000, §5.2.4.3 / 1	p**		m	Yes
9	S(IFS response)	EMV 2000, §5.2.4.3 / 3.	m	Yes	m	Yes
10	S(ABORT request)	EMV 2000, §5.2.5.1 / 9. and note	p**		m	Yes
11	S(ABORT response)	<i>EMV 2000</i> , §5.2.5.1 / 9. and note	c3	Yes	m*	Yes
12	S(WTX request)	EMV 2000, §5.2.4.3 / 10.	p**		m	Yes
13	S(WTX response)	EMV 2000, §5.2.4.3 / 10.	m	Yes	m*	Yes
14	Vpp error request	EMV 2000, §5.2.4.1.1.2	p**		m*	Yes
15	Vpp error response	note 8 EMV 2000, §5.2.4.1.1.2 note 8	p**		m*	Yes

c1: the terminal may issue a S(RESYNCH request) if it supports ISO-compliant resynchronization for proprietary reasons; otherwise, it shall deactivate the ICC contacts when loosing synchronization.

- c2: strictly identical to c1 except that the resynch is proprietary and not ISO compliant
- c3: when the terminal receives an S(ABORT request), it may issue an S(ABORT response) if it supports abortion; otherwise, it shall deactivate the ICC contacts.

### 3. Parameter Values for T=1

#### Please supply the supported values:

Item number	Parameter	Reference	Status	Values		
	LEN of INF	EMV 2000, §5.2.4.1.1.3		Allowed "0" "254"	Supported "0" "254"	
		reference specification	m	0 234	0 234	
2	IFSD	EMV 2000, §5.2.4.2.1	m	"254"	"254"	
3	TC1 minimum	EMV 2000, §5.2.4.2.2	m	"11" "42"	"11" "42"	
	ICC intercharacter minimum time	EMV 2000, §5.2.4.2.2	m	"10.8"	"10.8"	
		EMV 2000, §5.2.4.2.2	m	"21"	"21"	

#### IMPLEMENTATION CONFORMANCE STATEMENT – Revision History

V2.1 (Mandatory starting 30<sup>th</sup> of April, 2007)

<sup>\*</sup> the ICC sending this type of block is a protocol error; the terminal shall apply *EMV 2000*, §5.2.5 ("Error Detection and Correction for T=1").

<sup>\*\*</sup> Shaded boxes indicate a prohibited capability.

<sup>\*\*\*</sup> optional for cases related to c1/c2; otherwise, mandatory as protocol error.

- Part IV, 1, f): the minimum IFM ambient operating temperature allowed shall be entered
- Part IV, 1, g): the maximum IFM ambient operating temperature allowed shall be entered
- Part V, 2: indicate if the contact C6 is connected to the IFM or isolated