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
Untertürkheimer Str. 6-10
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(tests performed)

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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.:	1
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

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 Identity	Document Title	Version	Date
1.	EMVCo Specification	EMV2000 Integrated Circuit Card Specification for Payment Systems Book 1 – Application indepentend ICC to Terminal Interface requirements	4.3	November 2011

1.4.2 Test Reference Documents

Ref.	Document Identity	Document Title	Version	Date
1.		EMVCo Type Approval –Terminal Level 1 – Test Cases	2.1	January 2009
2.		EMVCo Type Approval –Terminal Level 1 – Administrative Process	5.0	January, 2009
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:	--

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. **U**nder **T**est*	IFM Version	Terminal S/N(serial number)
EUT 1	SEC1110-A5-02 A1	SEC1110 SN114

*) 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

3.3 Short Descriptions used in this test report for ancillary equipment

Ancillary **E**quip *	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

*) AE short description is used to simplify the identification of the AE in this test report.

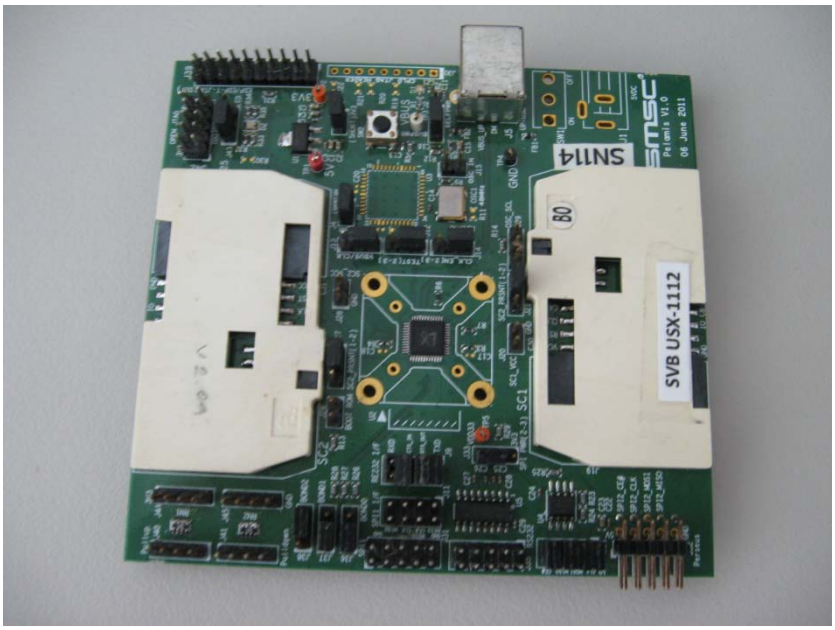
3.4 EUT setups

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

*) EUT setup no. is used to simplify the identification of the EUT setup in this test report.

3.5 Photographs

Tested Sample



Test Setup

4. Test Equipment

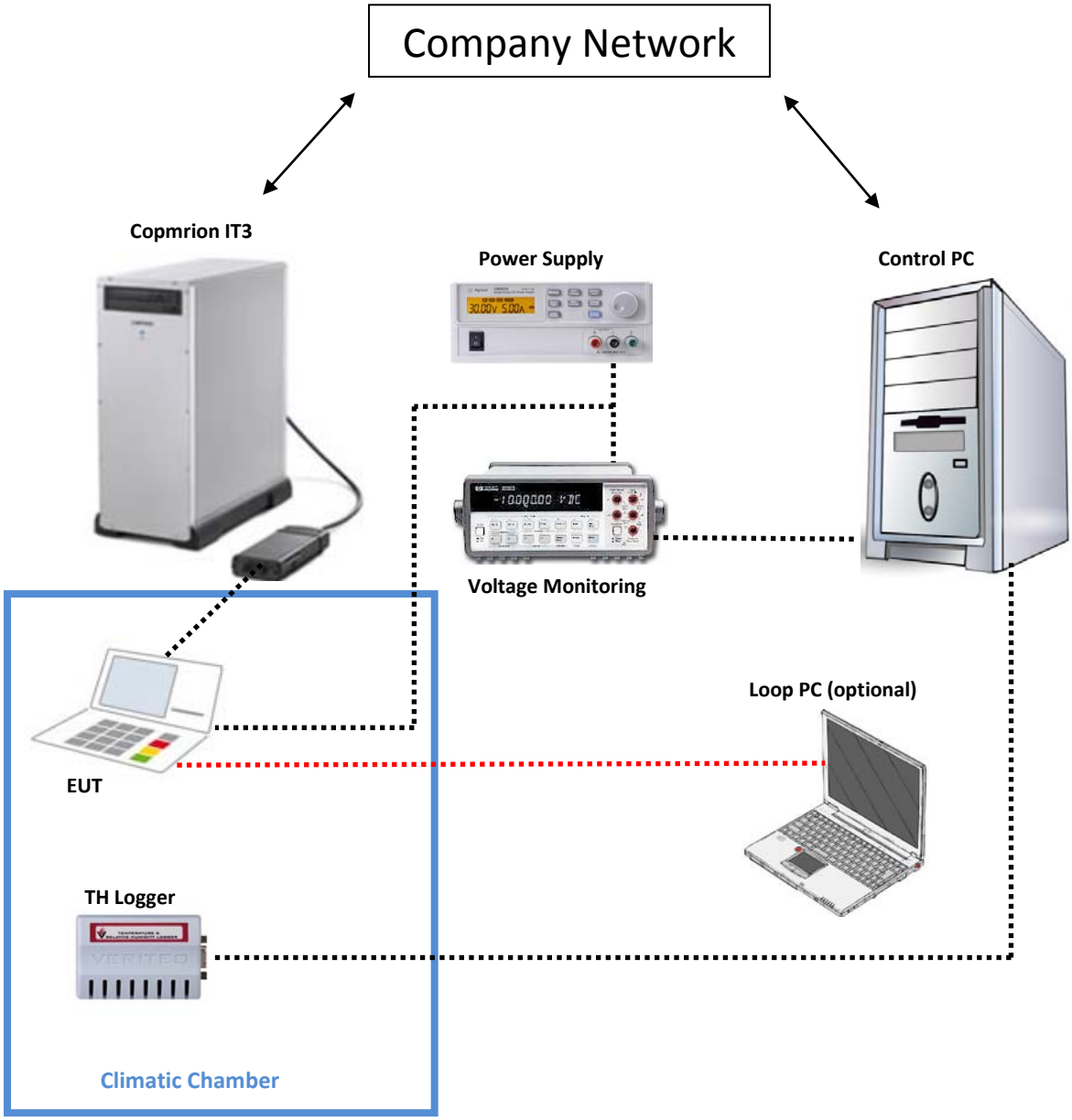
4.1 List of test equipment

No	Equipment	Type	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	400000007	22.06.2011
3	Terminal Adapter Star 3150	STAR 3150 BOOT1.03Sys1.13Config70 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

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 AC: 1 / 750 V Resistance: 10MOhm 100MOhm	≤ 0,0060 % (100 mV) ≤ 0,0026 % (1000 V) ≤ 0,06 % (10 Hz to 20 kHz) 0,040 % of reading 0,800 % of reading
LeCroy DSO 44MXs	ICC contacts frequency monitoring ICC contact rise/fall time monitoring	400MHz Bandwidth Time Base Range: 200 ps/div–1000 s/div (roll mode from 500 ms/div–1000 s/div) Rise Time: 875 ps	≤ 5 ppm @ 25 °C (typical) (≤ 10 ppm @ 5–40 °C)
	ICC contact voltage monitoring	Vertical (DC Gain) Accuracy	± 1.0% of full scale (typical); ±1.5% of full scale ≥ 10 mV/div (warranted)
Veriteq Instruments	Room Temperature and Humidity Test Equipment Temperature monitoring	10-90%rH; -20-70°C	0,6%rH 0,06°C
Comprion IT3	Current Offsets at contacts RST, CLK,VPP IO	+-10µA	±5µA
	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	Ilow/high 5 – 225µA	±1µA
	Utreshold at RST, CLK, VPP	-0,5 – 6V	±0,02V
	IO current load low, high	-10 to -2250µA (low) 5 – 225µA (high)	±2,5µA ±1,0µA
	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 200 nS 500 nS 1000nS	±8nS ±16nS ±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



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 Terminals and Card Tests	1.9	September 2011

4.6 Additional Reference Documentation

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

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	27th November 2007

5. Modifications of EUT

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

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

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

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	

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
1) - Testcase is performed at nominal test voltage and temperature only.

8.2 Card Session Test at Nominal and High Temperature

Test Case Number	Test Title	Results	Laboratory Comment
1CC.001.0x	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 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

8.3 Configuration 1: Answer to Reset at Nominal Temperature

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.001 Valid minimum inter- character interval during ATR	xy=00	1703 DTS01 1703 DTS02	Pass	
1CE.002 Valid maximum inter- character interval during ATR	xy=00	1703 DTS11 1703 DTS12	Pass	
1CE.003 Cold ATR global time	xy=00	1703 DTS21	Pass	
1CE.004 Warm ATR global time	xy=00	1703 DTS22	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=00 T=0 direct convention TA1='11'	1718 DTS00	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=10 T=0 direct convention TA1='12'	1718 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=20 T=0 direct convention TA1='13'	1718 DTS20	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=30 T=0 direct convention TA1='11'	1720 DTS00	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=40 T=0 direct convention TA1='12'	1720 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=50 T=0 direct convention TA1='13'	1720 DTS20	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=01 T=0 inverse convention TA1='11'	1718 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=11 T=0 inverse convention TA1='12'	1718 DTS40	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=21 T=0 inverse convention TA1='13'	1718 DTS50	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=31 T=0 inverse convention TA1='11'	1720 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=41 T=0 inverse convention TA1='12'	1720 DTS40	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=51 T=0 inverse convention TA1='13'	1720 DTS50	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=02 T=1 direct convention TA1='11'	1750 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=12 T=1 direct convention TA1='12'	1750 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=22 T=1 direct convention TA1='13'	1750 DTS50	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=32 T=1 direct convention TA1='11'	1752 DTS00	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=42 T=1 direct convention TA1='12'	1752 DTS10	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.007 ETU measurement, negotiable mode, cold reset	xy=20 T=0 direct convention TA1='13'	1702 DTS20 1702 DTS50	Pass	
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	
1CE.011 T=0 inter-character timings, warm reset	xy=00 TC1 = '00'	1705 DTS01	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=01 TC1 = '80'	1705 DTS11	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=02 TC1 = 'F0'	1705 DTS21	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=03 TC1 = 'FF'	1705 DTS31	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=04 TC1 = 'FE'	1705 DTS41	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=00 TC1 = '00'	1800 DTS22 1800 DTS12	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=01 TC1 = '1E'	1800 DTS32 1800 DTS82	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=02 TC1 = 'FF'	1800 DTS42	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.025 Supported values of TD1, cold reset - T=1	xy=00	1798 DTS81	Pass	
1CE.025 Supported values of TD1, cold reset - T=1	xy=01	1750 DTS10	Pass	
1CE.026 Supported values of TD1, warm reset - T=0	xy=00	1717 DTS03 1717 DTS14	Pass	
1CE.026 Supported values of TD1, warm reset - T=1	xy=01	1754 DTS1 1798 DTS82	Pass	
1CE.026 Supported values of TD1, warm reset - T=1	xy=02	1750 DTS11	Pass	
1CE.027 Supported values of TC2, cold reset	xy=00	1710 DTS10	Pass	
1CE.028 Supported values of TC2, warm reset	xy=00	1717 DTS10	Pass	
1CE.029 Supported values of TD2, cold reset	xy=00	1715 DTS1	Pass	
1CE.030 Supported values of TD2, warm reset	xy=00	1717 DTS13	Pass	
1CE.031 Default TA3, cold reset	xy=00	1798 DTS91	Pass	
1CE.032 Default TA3, warm reset	xy=00	1798 DTS92	Pass	
1CE.033 Supported values of TB3, cold reset	xy=00	1800 DTS11	Pass	
1CE.033 Supported values of TB3, cold reset	xy=01	1800 DTS21	Pass	
1CE.033 Supported values of TB3, cold reset	xy=02	1800 DTS31	Pass	
1CE.034 Supported values of TB3, warm reset	xy=00	1800 DTS12	Pass	
1CE.034 Supported values of TB3, warm reset	xy=01	1800 DTS22	Pass	
1CE.034 Supported values of TB3, warm reset	xy=02	1800 DTS32	Pass	
1CE.035 Supported values of TC3, cold reset	xy=00	1750 DTS10	Pass	
1CE.036 Supported values of TC3, warm reset	xy=00	1754 DTS06	Pass	
1CE.037 Different conventions between cold and warm reset	xy=00 DI – T=0	1727 DTS01 1717 DTS04	Pass	
1CE.037 Different conventions between cold and warm reset	xy=01 ID – T=0	1717 DTS05	Pass	
1CE.037 Different conventions between cold and warm reset	xy=02 DI – T=1	1754 DTS05	Pass	
1CE.037 Different conventions between cold and warm reset	xy=03 ID – T=1	1754 DTS06	Pass	
1CE.050-1 ATR global time exceeded - cold reset (1)	xy=00			Option NOT supported
1CE.050-2 ATR global time exceeded - cold reset (2)	xy=00	1704 DTS10	Pass	
1CE.051-1 ATR global time exceeded - warm reset (1)	xy=00	-		Option NOT supported
1CE.051-2 ATR global time exceeded - warm reset (2)	xy=00	1704 DTS11	Pass	
1CE.052-1 ATR inter-character delay exceeded, - cold reset (1)	xy=00	1708 DTS10 1708 DTS40	Pass	
1CE.052-2 ATR inter-character delay exceeded, - cold reset (2)	xy=00	1704 DTS00	Pass	
1CE.053-1 ATR inter-character delay exceeded, warm reset (1)	xy=00	1708 DTS11 1708 DTS41	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.053-2 ATR inter-character delay exceeded, warm reset (2)	xy=00	1704 DTS01	Pass	
1CE.054-1 Incorrect cold ATR initiation delay (1)	xy=00	-1263 Electrical test		Option NOT supported
1CE.054-2 Incorrect cold ATR initiation delay (2)	xy=00	1719 DTS30	Pass	
1CE.055-1 Incorrect warm ATR initiation delay (2)	xy=00	-		Option NOT supported
1CE.055-2 Incorrect warm ATR initiation delay (2)	xy=00	1719 DTS31	Pass	
1CE.056 Invalid ATR – Parity Error – Cold Reset	xy=00	1726 DTS10	Pass	
1CE.056 Invalid ATR – Parity Error – Cold Reset	xy=01	1726 DTS20	Pass	
1CE.057 Invalid ATR – Parity Error – Warm Reset	xy=00	1726 DTS11	Pass	
1CE.057 Invalid ATR – Parity Error – Warm Reset	xy=01	1726 DTS21	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=00	1716 DTS10	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=01	1716 DTS20	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=02	1716 DTS30	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=03	1716 DTS40	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=00	1716 DTS11	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=01	1716 DTS21	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=02	1716 DTS31	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=03	1716 DTS41	Pass	
1CE.060 Character Overrun in Cold ATR	xy=00	1707 DTS02	Pass	ICS
1CE.060 Character Overrun in Cold ATR	xy=01	1707 DTS03	Pass	ICS
1CE.061 Character Overrun in Warm ATR	xy=00	1707 DTS02	Pass	ICS
1CE.061 Character Overrun in Warm ATR	xy=01	1707 DTS03	Pass	ICS
1CE.062 Unsupported TA1 in Specific Mode – Cold Reset	xy=00 T=0	1707 DTS05	Pass	ICS
1CE.062 Unsupported TA1 in Specific Mode – Cold Reset	xy=01 T=1	1707 DTS13	Pass	ICS
1CE.062 Unsupported TA1 in Specific Mode – Cold Reset	xy=02 T=0	1707 DTS32	Pass	ICS
1CE.062 Unsupported TA1 in Specific Mode – Cold Reset	xy=03 T=1	1707 DTS33	Pass	ICS
1CE.063 Unsupported TA1 in Specific Mode – Warm Reset	xy=00 T=0	1707 DTS05	Pass	ICS
1CE.063 Unsupported TA1 in Specific Mode – Warm Reset	xy=01 T=1	1707 DTS13	Pass	ICS

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.064 Unsupported TB1 – Cold Reset	xy=00	1717 DTS01	Pass	
1CE.064 Unsupported TB1 – Cold Reset	xy=01	1717 DTS03	Pass	
1CE.064 Unsupported TB1 – Cold Reset	xy=02	1754 DTS03	Pass	
1CE.064 Unsupported TB1 – Cold Reset	xy=03	1754 DTS04	Pass	
1CE.065 Unsupported TD1– Cold Reset	xy=00	1707 DTS06	Pass	
1CE.065 Unsupported TD1– Cold Reset	xy=01	1707 DTS14	Pass	
1CE.066 Unsupported TD1 – Warm Reset	xy=00	1707 DTS06	Pass	
1CE.066 Unsupported TD1 – Warm Reset	xy=01	1707 DTS14	Pass	
1CE.067 Unsupported TA2 – Cold Reset	xy=00	1707 DTS29	Pass	
1CE.068 Unsupported TA2 – Warm Reset	xy=00	1707 DTS29	Pass	
1CE.069 Irrelevant TB2 – Cold Reset	xy=00	1707 DTS19 1707 DTS25	Pass	
1CE.070 Irrelevant TB2 – Warm Reset	xy=00	1707 DTS19 1707 DTS20	Pass	
1CE.071 Unsupported TC2 – Cold Reset	xy=00	1707 DTS26	Pass	
1CE.071 Unsupported TC2 – Cold Reset	xy=01	1707 DTS10	NA	ICS
1CE.071 Unsupported TC2 – Cold Reset	xy=02	1707 DTS30	NA	ICS
1CE.071 Unsupported TC2 – Cold Reset	xy=03	1707 DTS31	NA	ICS
1CE.072 Unsupported TC2 – Warm Reset	xy=00	1707 DTS26	Pass	
1CE.072 Unsupported TC2 – Warm Reset	xy=01	1707 DTS10	NA	ICS
1CE.072 Unsupported TC2 – Warm Reset	xy=02	1707 DTS30	NA	ICS
1CE.072 Unsupported TC2 – Warm Reset	xy=03	1707 DTS31	NA	ICS
1CE.073 Unsupported TD2 – Cold Reset	xy=00	1707 DTS21	Pass	
1CE.073 Unsupported TD2 – Cold Reset	xy=01	1707 DTS22	Pass	
1CE.073 Unsupported TD2 – Cold Reset	xy=02	1707 DTS23	Pass	
1CE.074 Unsupported TD2 – Warm Reset	xy=00	1707 DTS21	Pass	
1CE.074 Unsupported TD2 – Warm Reset	xy=01	1707 DTS22	Pass	
1CE.074 Unsupported TD2 – Warm Reset	xy=02	1707 DTS23	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.075 Unsupported TA3 – Cold Reset	xy=00	1707 DTS08	Pass	
1CE.075 Unsupported TA3 – Cold Reset	xy=01	1707 DTS15	Pass	
1CE.075 Unsupported TA3 – Cold Reset	xy=02	1707 DTS16	Pass	
1CE.076 Unsupported TA3 – Warm Reset	xy=00	1707 DTS08	Pass	
1CE.076 Unsupported TA3 – Warm Reset	xy=01	1707 DTS15	Pass	
1CE.076 Unsupported TA3 – Warm Reset	xy=02	1707 DTS16	Pass	
1CE.077 Unsupported TB3 – Cold Reset	xy=00	1707 DTS07	Pass	
1CE.077 Unsupported TB3 – Cold Reset	xy=01	1707 DTS11	Pass	
1CE.077 Unsupported TB3 – Cold Reset	xy=02	1707 DTS17	Pass	
1CE.077 Unsupported TB3 – Cold Reset	xy=03	1707 DTS24	Pass	
1CE.078 Unsupported TB3 – Warm Reset	xy=00	1707 DTS07	Pass	
1CE.078 Unsupported TB3 – Warm Reset	xy=01	1707 DTS11	Pass	
1CE.078 Unsupported TB3 – Warm Reset	xy=02	1707 DTS17	Pass	
1CE.078 Unsupported TB3 – Warm Reset	xy=03	1707 DTS24	Pass	
1CE.079 Unsupported TC3 – Cold Reset	xy=00	1707 DTS12	Pass	
1CE.079 Unsupported TC3 – Cold Reset	xy=01	1707 DTS27	Pass	
1CE.080 Unsupported TC3 – Warm Reset	xy=00	1707 DTS12	Pass	
1CE.080 Unsupported TC3 – Warm Reset	xy=01	1707 DTS27	Pass	
1CE.081 Invalid TCK when not T=0 – Cold reset	xy=00	1758 DTS10	Pass	
1CE.081 Invalid TCK when not T=0 – Cold reset	xy=01	1758 DTS20	Pass	
1CE.082 Invalid TCK when not T=0 – Warm reset	xy=00	1758 DTS11	Pass	
1CE.082 Invalid TCK when not T=0 – Warm reset	xy=01	1758 DTS21	Pass	

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

8.4 Configuration 1: Protocol T=0 at Nominal Temperature

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.001 T=0 ETU measurement – cold reset	xy=00	1701 DTS0	Pass	
1CF.002 ETU measurement – warm reset	xy=00	1701 DTS1	Pass	
1CF.003 Correct reception of ict 11.8 etus (T=0)	xy=00	1709 DTS1	Pass	
1CF.004 Correct reception of opposite ict 15 etus (T=0)	xy=00	1709 DTS0	Pass	
1CF.005 Correct reception of character using WWT (same d.)	xy=00 D=1	1710 DTS01 1710 DTS11 1710 DTS21	Pass	
1CF.005 Correct reception of character using WWT (same d.)	xy=01 D=2	1710 DTS31 1710 DTS41 1710 DTS51	Pass	
1CF.005 Correct reception of character using WWT (same d.)	xy=02 D=4	1710 DTS61 1710 DTS71 1710 DTS81	Pass	
1CF.006 Correct reception of character using WWT (opposite d.)	xy=00 D=1	1710 DTS00 1710 DTS10 1710 DTS20	Pass	
1CF.006 Correct reception of character using WWT (opposite d.)	xy=01 D=2	1710 DTS30 1710 DTS40 1710 DTS50	Pass	
1CF.006 Correct reception of character using WWT (opposite d.)	xy=02 D=4	1710 DTS60 1710 DTS70 1710 DTS80	Pass	
1CF.007 Min. Interval bet. Characters sent in oppos. Directions after cold reset (16 etus)	xy=00	1705 DTS00	Pass	
1CF.008 Min. Interval bet. Characters sent in oppos. Directions after warm reset (16 etus)	xy=00	1705 DTS01	Pass	
1CF.009 INS – case 3 and 4	xy=00	1701 DTS 0	Pass	
1CF.010 INS – case 2	xy=00	1701 DTS 0	Pass	
1CF.011 INS Complement – Case 3 and 4	xy=00	1710 DTS00 1730 DTS	Pass	
1CF.011 INS Complement – Case 3 and 4	xy=01	1705 DTS00 1731 DTS	Pass	
1CF.012 INS Complement Byte – Case 2	xy=00	1730 DTS	Pass	
1CF.012 INS Complement Byte – Case 2	xy=01	1731 DTS	Pass	
1CF.013 '60' Procedure Byte	xy=00	1710 DTS01	Pass	
1CF.013 '60' Procedure Byte	xy=01	1712 DTS0 1712 DTS1 1712 DTS2	Pass	
1CF.013 '60' Procedure Byte	xy=02	1712 DTS0 1712 DTS1 1712 DTS2	Pass	
1CF.014 '60' amid INS Complement Procedure Byte	xy=00	1713 DTS0 1713 DTS1 1713 DTS2	Pass	
1CF.014 '60' amid INS Complement Procedure Byte	xy=01	1713 DTS0 1713 DTS1 1713 DTS2	Pass	
1CF.015 '61' – case 2	xy=00	1709 DTS0 1734 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.016 status byte '6X' or '9X'	xy=00 '62xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=01 '63xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=02 '6700'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=03 '6Axx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=04 '6Fxx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=05 '9000'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=06 '64xx'	1725 DTS 1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=07 '65xx'	1725 DTS 1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=08 '66xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=09 '68xx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=10 '69xx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=11 '6Bxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=12 '6D00'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=13 '6E00'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=14 '9100'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=15 '92xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=16 '93xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=17 '94xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=18 '95xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=19 '96xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=20 '97xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=21 '98xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=22 '99xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=23 '9Axx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=24 '9Bxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=25 '9Cxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=26 '9Dxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=27 '9Exx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=28 '9Fxx'	1744 DTS	Pass	
1CF.030-1 WWT excess (same direction)	xy=00 D=1	-		Option NOT supported
1CF.030-1 WWT excess (same direction)	xy=01 D=2	-		Option NOT 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 WWT excess (same direction)	xy=00 D=1	1711 DTS01 1711 DTS11 1711 DTS21	Pass	
1CF.030-2 WWT excess (same direction)	xy=01 D=2	1711 DTS31 1711 DTS41 1711 DTS51	Pass	
1CF.030-2 WWT excess (same direction)	xy=02 D=4	1711 DTS61 1711 DTS71 1711 DTS81	Pass	
1CF.031-1 WWT excess - opposite direction	0y y=0 to 2	-		Option NOT supported
1CF.031-2 WWT excess - opposite direction	xy=00 D=1	1711 DTS00 1711 DTS10 1711 DTS20	Pass	
1CF.031-2 WWT excess - opposite direction	xy=01 D=2	1711 DTS30 1711 DTS40 1711 DTS50	Pass	
1CF.031-2 WWT excess - opposite direction	xy=02 D=4	1711 DTS60 1711 DTS70 1711 DTS80	Pass	
1CF.032 unsupported procedure byte / status byte	xy=00	1735 DTS	Pass	
1CF.032 unsupported procedure byte / status byte	xy=01	1736 DTS	Pass	
1CF.033 Parity error detection	xy=00 direct conv.	1714 DTS1	Pass	
1CF.033 Parity error detection	xy=01 inv. conv.	1714 DTS2	Pass	
1CF.034 Multiple Error Repetitions (Receiving)	xy=00	1737 DTS10	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=00 D=1	1737 DTS20	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=01 D=2	1737 DTS21	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=02 D=4	1737 DTS22	Pass	
1CF.036 Interpretation of Repeated Character	xy=00	1733 DTS	Pass	
1CF.037 - Option 1 Error Correction	xy=00	1715 DTS1	Pass	
1CF.037 - Option 1 Error Correction	xy=01	1715 DTS2	Pass	
1CF.037 - Option 1 Error Correction	xy=02	1715 DTS3	Pass	
1CF.037- Option 1 Error Correction	xy=03	1715 DTS4	Pass	
1CF.037 - Option 1 Error Correction	xy=04	1715 DTS5	Pass	
1CF.037 - Option 2 Error Correction	xy=00	-		Option NOT supported
1CF.038 Multiple Error Repetition (Transmitting)	xy=00	1732 DTS10	Pass	
1CF.039 Excess Error Repetition (Transmitting)	xy=00 D=1	1732 DTS20	Pass	
1CF.039 Excess Error Repetition (Transmitting)	xy=01 D=2	1732 DTS21	Pass	
1CF.039 Excess Error Repetition (Transmitting)	xy=02 D=4	1732 DTS22	Pass	

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

8.5 Configuration 1: Protocol T=1 at Nominal Temperature

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.051 Correct reception of 10.8 etus ict Interval	xy=00	1767 DTS20 1767 DTS21 1767 DTS22	Pass	
1CF.052 correct reception of CWT +4 etu	xy=00 TB3='01'	1767 DTS10	Pass	
1CF.052 correct reception of CWT +4 etu	xy=01 TB3='02'	1767 DTS11	Pass	
1CF.052 correct reception of CWT +4 etu	xy=02 TB3='03'	1767 DTS12	Pass	
1CF.052 correct reception of CWT +4 etu	xy=03 TB3='04'	1767 DTS13	Pass	
1CF.052 correct reception of CWT +4 etu	xy=04 TB3='05'	1767 DTS14	Pass	
1CF.053 correct reception if BWT used	xy=00 TB3='01' - D=1	1791 DTS00	Pass	
1CF.053 correct reception if BWT used	xy=01 TB3='11' - D=1	1791 DTS01	Pass	
1CF.053 correct reception if BWT used	xy=02 TB3='21' - D=1	1791 DTS02	Pass	
1CF.053 correct reception if BWT used	xy=03 TB3='31' - D=1	1791 DTS03	Pass	
1CF.053 correct reception if BWT used	xy=04 TB3='41' - D=1	1791 DTS04	Pass	
1CF.053 correct reception if BWT used	xy=10 TB3='01' - D=2	1791 DTS10	Pass	
1CF.053 correct reception if BWT used	xy=11 TB3='11' - D=2	1791 DTS11	Pass	
1CF.053 correct reception if BWT used	xy=12 TB3='21' - D=2	1791 DTS12	Pass	
1CF.053 correct reception if BWT used	xy=13 TB3='31' - D=2	1791 DTS13	Pass	
1CF.053 correct reception if BWT used	xy=14 TB3='41' - D=2	1791 DTS14	Pass	
1CF.053 correct reception if BWT used	xy=20 TB3='01' - D=4	1791 DTS20	Pass	
1CF.053 correct reception if BWT used	xy=21 TB3='11' - D=4	1791 DTS21	Pass	
1CF.053 correct reception if BWT used	xy=22 TB3='21' - D=4	1791 DTS22	Pass	
1CF.053 correct reception if BWT used	xy=23 TB3='31' - D=4	1791 DTS23	Pass	
1CF.053 correct reception if BWT used	xy=24 TB3='41' - D=4	1791 DTS24	Pass	
1CF.054 correct reception when Block Guard Time (BGT) used	xy=00	1767 DTS30 1767 DTS31 1767 DTS32	Pass	
1CF.055 Respect of 22 etus Block Guard Time (BGT) after Cold Reset	xy=00	1800 DTS1	Pass	
1CF.056 Respect of 22 etus Block Guard Time (BGT) after Warm Reset	xy=00	1800 DTS2	Pass	
1CF.057 WTX respected	xy=00 D=1	1803 DTS0	Pass	
1CF.057 WTX respected	xy=01 D=2	1803 DTS1	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.081-1 BWT exceeded in response to an S-request block	xy x=0 to 2 y=0 to 4	-		Option NOT supported
1CF.081-2 BWT exceeded in response to an S-request block	xy=00 D=1 - TB3='01'	1789 DTS30	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=01 D=1 - TB3='11'	1789 DTS31	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=02 D=1 - TB3='21'	1789 DTS32	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=03 D=1 - TB3='31'	1789 DTS33	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=04 D=1 - TB3='41'	1789 DTS34	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=10 D=2 - TB3='01'	1789 DTS40	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=11 D=2 - TB3='11'	1789 DTS41	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=12 D=2 - TB3='21'	1789 DTS42	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=13 D=2 - TB3='31'	1789 DTS43	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=14 D=2 - TB3='41'	1789 DTS44	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=20 D=4 - TB3='01'	1789 DTS50	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=21 D=4 - TB3='11'	1789 DTS51	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=22 D=4 -TB3='21'	1789 DTS52	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=23 D=4 - TB3='31'	1789 DTS53	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=24 D=4 - TB3='41'	1789 DTS54	Pass	
1CF.081-1 BIS BWT exceeded in response to an I-block, R-block or S-response	Xy x=0 to 2 y=0 to 4	-		Option NOT supported
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=00 D=1 TB3='01'	1789 DTS00	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=01 D=1 TB3='11'	1789 DTS01	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=02 D=1 TB3='21'	1789 DTS02	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=03 D=1 TB3='31'	1789 DTS03	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=04 D=1 TB3='41'	1789 DTS04	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=10 D=2 TB3='01'	1789 DTS10	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=11 D=2 TB3='11'	1789 DTS11	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=12 D=2 TB3='21'	1789 DTS12	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=13 D=2 TB3='31'	1789 DTS13	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=14 D=2 TB3='41'	1789 DTS14	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=20 D=4 TB3='01'	1789 DTS20	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=21 D=4 TB3='11'	1789 DTS21	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=22 D=4 TB3='21'	1789 DTS22	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=23 D=4 TB3='31'	1789 DTS23	Pass	
1CF.081-2 BIS BWT exceeded in response to an I-block, R-block or S-response	xy=24 D=4 TB3='41'	1789 DTS24	Pass	
1CF.082 Proper then improper use of WTX	xy=00 D=1	1768 DTS0	Pass	
1CF.082 Proper then improper use of WTX	xy=01 D=2	1768 DTS1	Pass	
1CF.082 Proper then improper use of WTX	xy=02 D=4	1768 DTS2	Pass	
1CF.083-1 WTX exceeded	Xy x=0 to 2 y=0 to 4	-		Option NOT supported
1CF.083-2 WTX exceeded	xy=00 TB3='01' - D=1	1775 DTS00	Pass	
1CF.083-2 WTX exceeded	xy=01 TB3='11' - D=1	1775 DTS01	Pass	
1CF.083-2 WTX exceeded	xy=02 TB3='21' - D=1	1775 DTS02	Pass	
1CF.083-2 WTX exceeded	xy=03 TB3='31' - D=1	1775 DTS03	Pass	
1CF.083-2 WTX exceeded	xy=04 TB3='41' - D=1	1775 DTS04	Pass	
1CF.083-2 WTX exceeded	xy=10 TB3='01' - D=2	1775 DTS10	Pass	
1CF.083-2 WTX exceeded	xy=11 TB3='11' - D=2	1775 DTS11	Pass	
1CF.083-2 WTX exceeded	xy=12 TB3='21' - D=2	1775 DTS12	Pass	
1CF.083-2 WTX exceeded	xy=13 TB3='31' - D=2	1775 DTS13	Pass	
1CF.083-2 WTX exceeded	xy=14 TB3='41' - D=2	1775 DTS14	Pass	
1CF.083-2 WTX exceeded	xy=20 TB3='01' - D=4	1775 DTS20	Pass	
1CF.083-2 WTX exceeded	xy=21 TB3='11' - D=4	1775 DTS21	Pass	
1CF.083-2 WTX exceeded	xy=22 TB3='21' - D=4	1775 DTS22	Pass	
1CF.083-2 WTX exceeded	xy=23 TB3='31' - D=4	1775 DTS23	Pass	
1CF.083-2 WTX exceeded	xy=24 TB3='41' - D=4	1775 DTS24	Pass	
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=00	1771 DTS	Pass	
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=01	1771 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=02	1771 DTS	Pass	
1CF.084 Option 2 Not chaining – transmission error then notification on an I-Block	y=0	-		Option NOT supported
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=00	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=01	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=02	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=03	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=04	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=05	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=06	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=07	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=08	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=09	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=10	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=11	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=12	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=13	1771 DTS	Pass	
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=00	1785 DTS00 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=01	1785 DTS01 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=02	1785 DTS02 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.086 Option 2	xy=00	-		Option NOT supported
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=00	1785 DTS03 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=01	1785 DTS04 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=02	1785 DTS05 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=03	1785 DTS06 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=04	1785 DTS07 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=05	1785 DTS08 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=06	1785 DTS09 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=08	1785 DTS11 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=09	1785 DTS12 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=10	1785 DTS13 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=11	1785 DTS14 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=12	1785 DTS15 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=13	1785 DTS20 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=00	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=10	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=20	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=01	1770 DTS2	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=11	1770 DTS2	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=21	1770 DTS2	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=00	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=01	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=02	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=03	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=04	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=05	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=06	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=07	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=08	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=09	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=10	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=11	1770 DTS1	Pass	
1CF.089 NOT chaining – Syntax/semantic error	xy=12	1770 DTS1	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.089 NOT chaining – Syntax/semantic error	xy=13	1770 DTS1	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=00	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=01	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=02	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=03	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=04	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=05	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=06	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=08	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=09	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=10	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=11	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=12	1770 DTS2	Pass	
1CF.090 NOT chaining – 2 Syntax/semantic errors	xy=13	1770 DTS2	Pass	
1CF.091 - Option 1 Not chaining – Transmission error then notification on R-Block	xy=00	1772 DTS	Pass	
1CF.091 - Option 1 Not chaining – Transmission error then notification on R-Block	xy=01	1772 DTS	Pass	
1CF.091 - Option 1 Not chaining – Transmission error then notification on R-Block	xy=02	1772 DTS	Pass	
1CF.091 - Option 2 Not chaining – Transmission error then notification on R-Block	xy=00	-		Option NOT supported
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=00	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=01	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=02	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=03	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=04	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=05	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=06	1772 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=07	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=08	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=09	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=10	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=11	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=12	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=13	1772 DTS	Pass	
1CF.093 Option 1 or option 2 Not chaining – 2 Transmission errors then notification on R-Block	xy=00	1774 DTS	Pass	Option 1
1CF.094 Not chaining – 2 Syntax/semantic errors then notification on R-Block	xy=00	1774 DTS	Pass	
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=00	1808 DTS01	Pass	
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=01	1808 DTS02	Pass	
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=02	1808 DTS03	Pass	
1CF.095 Option 2 Not chaining – Transmission error in response to S-Block	xy=00	-		Option NOT supported
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=00	1808 DTS04	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=01	1808 DTS05	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=02	1808 DTS06	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=03	1808 DTS07	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=04	1808 DTS08	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=05	1808 DTS09	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=06	1808 DTS10	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=07	1808 DTS11	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=08	1808 DTS12	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=09	1808 DTS13	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=10	1808 DTS14	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=11	1808 DTS15	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=00	1809 DTS01	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=01	1809 DTS02	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=02	1809 DTS03	Pass	
1CF.097 Option 2 Not chaining – Transmission error in response to S-Block then error notification	xy=00	-		Option NOT supported
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=00	1809 DTS04	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=01	1809 DTS05	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=02	1809 DTS06	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=03	1809 DTS07	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=04	1809 DTS08	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=05	1809 DTS09	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=06	1809 DTS10	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=07	1809 DTS11	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=08	1809 DTS12	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=09	1809 DTS13	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=10	1809 DTS14	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=11	1809 DTS15	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.099 Not chaining – error notification on I-Block	xy=00	1769 DTS1	Pass	
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
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 Not chaining – Transmission error then S(IFS request)	xy=02	1807 DTS03	Pass	
1CF.102 Option 2 Not chaining – Transmission error then S(IFS request)	xy=00	-		Option NOT supported
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=00	1807 DTS04	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=01	1807 DTS05	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=02	1807 DTS06	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=03	1807 DTS07	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=04	1807 DTS08	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=05	1807 DTS09	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=06	1807 DTS10	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=07	1807 DTS11	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=08	1807 DTS12	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=09	1807 DTS13	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=10	1807 DTS14	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=11	1807 DTS15	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=12	1807 DTS16	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=13	1807 DTS17	Pass	
1CF.104 Not chaining – Error notification on S(IFS request) then S(IFS resonse)	xy=00	1797 DTS	Pass	
1CF.105 - Option 1 Not chaining – Transmission error in response to S(IFS request) then S(IFS response)	xy=00	1804 DTS00	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=21	1794 DTS2	Pass	
1CF.108 Option 2 Not chaining – 1 or 2 transmission errors then S(WTX request	xy=00 xy=01	-		Option NOT supported
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=00	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=01	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=02	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=03	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=04	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=05	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=06	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=07	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=08	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=09	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=10	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=11	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=12	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=13	1794 DTS1	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=00	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=01	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=02	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=03	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=04	1794 DTS2	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=05	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=06	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=08	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=09	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=10	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=11	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=12	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=13	1794 DTS2	Pass	
1CF.111 Not chaining – Error notification on S(WTX request)	xy=00	1795 DTS	Pass	
1CF.112 -Option 1 Chaining – Transmission error	xy=00	1776 DTS	Pass	
1CF.112 - Option 1 Chaining – Transmission error	xy=01	1776 DTS	Pass	
1CF.112 - Option 1 Chaining – Transmission error	xy=02	1776 DTS	Pass	
1CF.112 Option 2 Chaining – Transmission error	xy=00	-		Option NOT supported
1CF.113 Chaining – Syntax/semantic error	xy=00	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=01	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=02	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=03	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=04	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=05	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=06	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=07	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=08	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=09	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=10	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=11	1776 DTS	Pass	
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=00	1781 DTS01	Pass	
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=01	1781 DTS02	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=02	1781 DTS03	Pass	
1CF.114 Option 2 Chaining – Excess of transmission errors	xy=00	-		Option NOT supported
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=00	1781 DTS04	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=01	1781 DTS05	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=02	1781 DTS06	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=03	1781 DTS07	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=04	1781 DTS08	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=05	1781 DTS09	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=06	1781 DTS10	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=07	1781 DTS11	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=08	1781 DTS12	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=09	1781 DTS13	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=10	1781 DTS14	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=11	1781 DTS15	Pass	
1CF.116 Chaining – Excess of Error notifications	xy=00	1780 DTS 1787 DTS	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=00 - D=1	1792 DTS0	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=01 - D=2	1792 DTS1	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=02 - D=4	1792 DTS2	Pass	
1CF.118 Chaining – Error notification on R-Block	xy=00	1777 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=00	1778 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=01	1778 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=02	1778 DTS	Pass	
1CF.119 Option 2 Chaining – Transmission error in response to R-Block	xy=00	-		Option NOT supported
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=00	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=01	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=02	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=03	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=04	1778 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=05	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=06	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=07	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=08	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=09	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=10	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=11	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=12	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=13	1778 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=00	1784 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=01	1784 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=02	1784 DTS	Pass	
1CF.121 Option 2 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=00	-		Option NOT supported
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=00	1783 DTS 1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=01	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=02	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=03	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=04	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=05	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=06	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=07	1784 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=08	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=09	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=10	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=11	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=12	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=13	1784 DTS	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=00 D=1- BWI=0	1781 DTS01 to 1781 DTS15	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=01 D=1 – BWI=1	1785 DTS21	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=02 D=1 – BWI=2	1785 DTS22	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=03 D=1 – BWI=3	1785 DTS23	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=04 D=1 – BWI=4	1785 DTS24	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=10 D=2 – BWI=0	1785 DTS30	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=11 D=2 – BWI=1	1785 DTS31	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=12 D=2 – BWI=2	1785 DTS32	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=13 D=2 – BWI=3	1785 DTS33	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=14 D=2 – BWI=4	1785 DTS34	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=20 D=4 – BWI=0	1785 DTS40	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=21 D=4 – BWI=1	1785 DTS41	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=22 D=4 – BWI=2	1785 DTS42	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=23 D=4 – BWI=3	1785 DTS43	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=24 D=4 – BWI=4	1785 DTS44	Pass	

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

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

8.6 Configuration 1: Terminal Transport Layer at Nominal Temperature

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

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

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

8.7 Configuration 2: Answer to Reset at Nominal Temperature

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.005 ETU measurement, specific mode, cold reset	xy=31 T=0 inverse convention TA1='11'	1720 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=41 T=0 inverse convention TA1='12'	1720 DTS40	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=51 T=0 inverse convention TA1='13'	1720 DTS50	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=02 T=1 direct convention TA1='11'	1750 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=12 T=1 direct convention TA1='12'	1750 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=22 T=1 direct convention TA1='13'	1750 DTS50	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=32 T=1 direct convention TA1='11'	1752 DTS00	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=42 T=1 direct convention TA1='12'	1752 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=52 T=1 direct convention TA1='13'	1752 DTS20	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=03 T=1 inverse convention TA1='11'	1751 DTS10	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=13 T=1 inverse convention TA1='12'	1751 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=23 T=1 inverse convention TA1='13'	1751 DTS40	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=33 T=1 inverse convention TA1='11'	1752 DTS30	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=43 T=1 inverse convention TA1='12'	1752 DTS40	Pass	
1CE.005 ETU measurement, specific mode, cold reset	xy=53 T=1 inverse convention TA1='13'	1752 DTS50	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=00 T=0 direct convention TA1='11'	1718 DTS01 1717-DTS03	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=10 T=0 direct convention TA1='12'	1718 DTS11 1717 DTS11	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=20 T=0 direct convention TA1='13'	1718 DTS21 1717 DTS12	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=01 T=0 inverse convention TA1='11'	1717 DTS04 1718 DTS31	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=11 T=0 inverse convention TA1='12'	1718 DTS41	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=21 T=0 inverse convention TA1='13'	1718 DTS51	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.006 ETU measurement, specific mode, warm reset	xy=02 T=1 direct convention TA1='11'	1750 DTS11	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=12 T=1 direct convention TA1='12'	1750 DTS31	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=22 T=1 direct convention TA1='13'	1750 DTS51	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=03 T=1 inverse convention TA1='11'	1751 DTS11	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=13 T=1 inverse convention TA1='12'	1751 DTS31	Pass	
1CE.006 ETU measurement, specific mode, warm reset	xy=23 T=1 inverse convention TA1='13'	1751 DTS41	Pass	
1CE.007 ETU measurement, negotiable mode, cold reset	xy=00 T=0 direct convention TA1='11'	1702 DTS00 1702 DTS30	Pass	
1CE.007 ETU measurement, negotiable mode, cold reset	xy=10 T=0 direct convention TA1='12'	1702 DTS10 1702 DTS40	Pass	
1CE.007 ETU measurement, negotiable mode, cold reset	xy=20 T=0 direct convention TA1='13'	1702 DTS20 1702 DTS50	Pass	
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	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
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	
1CE.011 T=0 inter-character timings, warm reset	xy=00 TC1 = '00'	1705 DTS01	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=01 TC1 = '80'	1705 DTS11	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=02 TC1 = 'F0'	1705 DTS21	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=03 TC1 = 'FF'	1705 DTS31	Pass	
1CE.011 T=0 inter-character timings, warm reset	xy=04 TC1 = 'FE'	1705 DTS41	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=00 TC1 = '00'	1800 DTS22 1800 DTS12	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=01 TC1 = '1E'	1800 DTS32 1800 DTS82	Pass	
1CE.012 T=1 inter-character timings, warm reset	xy=02 TC1 = 'FF'	1800 DTS42	Pass	
1CE.013 T=0 default inter-character timings, cold reset	xy=00	1705 DTS50	Pass	
1CE.014 T=1 default inter-character timings, cold reset	xy=00	1800 DTS01	Pass	
1CE.015 T=0 default inter-character timings, warm reset	xy=00	1705 DTS51	Pass	
1CE.016 T=1 default inter-character timings, warm reset	xy=00	1800 DTS02	Pass	
1CE.017 Conformance after cold reset	xy=00 T=0, direct	1701 DTS0	Pass	
1CE.017 Conformance after cold reset	xy=01 T=0, inver.	1727 DTS00	Pass	
1CE.017 Conformance after cold reset	xy=02 T=0, inver.	1727 DTS10	Pass	
1CE.017 Conformance after cold reset	xy=03 T=1, inver.	1800 DTS81	Pass	
1CE.017 Conformance after cold reset	xy=04 T=1, inver.	1751 DTS10	Pass	
1CE.018 Conformance after warm reset	xy=00 T=0, direct	1701 DTS1	Pass	
1CE.018 Conformance after warm reset	xy=01 T=0, inver.	1727 DTS01	Pass	
1CE.018 Conformance after warm reset	xy=02 T=0, direct	1717 DTS01	Pass	
1CE.018 Conformance after warm reset	xy=03 T=0, inver.	1727 DTS21	Pass	
1CE.018 Conformance after warm reset	xy=04 T=0, inver.	1727 DTS11	Pass	
1CE.018 Conformance after warm reset	xy=05 T=1, inver.	1800 DTS82	Pass	
1CE.018 Conformance after warm reset	xy=06 T=1, inver.	1754 DTS02	Pass	
1CE.019 ATR longer than basic ATR – cold reset	xy=00 T=0	1722 DTS1	Pass	
1CE.019 ATR longer than basic ATR – cold reset	xy=01 T=1	1753 DTS1	Pass	
1CE.020 ATR longer than basic ATR – warm reset	xy=00 T=0	1722 DTS2	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CE.036 Supported values of TC3, warm reset	xy=00	1754 DTS06	Pass	
1CE.037 Different conventions between cold and warm reset	xy=00 DI – T=0	1727 DTS01 1717 DTS04	Pass	
1CE.037 Different conventions between cold and warm reset	xy=01 ID – T=0	1717 DTS05	Pass	
1CE.037 Different conventions between cold and warm reset	xy=02 DI – T=1	1754 DTS05	Pass	
1CE.037 Different conventions between cold and warm reset	xy=03 ID – T=1	1754 DTS06	Pass	
1CE.050-1 ATR global time exceeded - cold reset (1)	xy=00			Option NOT supported
1CE.050-2 ATR global time exceeded - cold reset (2)	xy=00	1704 DTS10	Pass	
1CE.051-1 ATR global time exceeded - warm reset (1)	xy=00	-		Option NOT supported
1CE.051-2 ATR global time exceeded - warm reset (2)	xy=00	1704 DTS11	Pass	
1CE.052-1 ATR inter-character delay exceeded, - cold reset (1)	xy=00	1708 DTS10 1708 DTS40	Pass	
1CE.052-2 ATR inter-character delay exceeded, - cold reset (2)	xy=00	1704 DTS00	Pass	
1CE.053-1 ATR inter-character delay exceeded, warm reset (1)	xy=00	1708 DTS11 1708 DTS41	Pass	
1CE.053-2 ATR inter-character delay exceeded, warm reset (2)	xy=00	1704 DTS01	Pass	
1CE.054-1 Incorrect cold ATR initiation delay (1)	xy=00	-1263 Electrical test		Option NOT supported
1CE.054-2 Incorrect cold ATR initiation delay (2)	xy=00	1719 DTS30	Pass	
1CE.055-1 Incorrect warm ATR initiation delay (2)	xy=00	-		Option NOT supported
1CE.055-2 Incorrect warm ATR initiation delay (2)	xy=00	1719 DTS31	Pass	
1CE.056 Invalid ATR – Parity Error – Cold Reset	xy=00	1726 DTS10	Pass	
1CE.056 Invalid ATR – Parity Error – Cold Reset	xy=01	1726 DTS20	Pass	
1CE.057 Invalid ATR – Parity Error – Warm Reset	xy=00	1726 DTS11	Pass	
1CE.057 Invalid ATR – Parity Error – Warm Reset	xy=01	1726 DTS21	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=00	1716 DTS10	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=01	1716 DTS20	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=02	1716 DTS30	Pass	
1CE.058 Incorrect TS – Cold Reset	xy=03	1716 DTS40	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=00	1716 DTS11	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=01	1716 DTS21	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=02	1716 DTS31	Pass	
1CE.059 Incorrect TS – Warm Reset	xy=03	1716 DTS41	Pass	

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

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

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

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

8.8 Configuration 2: Protocol T=0 at Nominal Temperature

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.011 INS Complement – Case 3 and 4	xy=01	1705 DTS00 1731 DTS	Pass	
1CF.012 INS Complement Byte – Case 2	xy=00	1730 DTS	Pass	
1CF.012 INS Complement Byte – Case 2	xy=01	1731 DTS	Pass	
1CF.013 '60' Procedure Byte	xy=00	1710 DTS01	Pass	
1CF.013 '60' Procedure Byte	xy=01	1712 DTS0 1712 DTS1 1712 DTS2	Pass	
1CF.013 '60' Procedure Byte	xy=02	1712 DTS0 1712 DTS1 1712 DTS2	Pass	
1CF.014 '60' amid INS Complement Procedure Byte	xy=00	1713 DTS0 1713 DTS1 1713 DTS2	Pass	
1CF.014 '60' amid INS Complement Procedure Byte	xy=01	1713 DTS0 1713 DTS1 1713 DTS2	Pass	
1CF.015 '61' – case 2	xy=00	1709 DTS0 1734 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=00 '62xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=01 '63xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=02 '6700'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=03 '6Axx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=04 '6Fxx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=05 '9000'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=06 '64xx'	1725 DTS 1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=07 '65xx'	1725 DTS 1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=08 '66xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=09 '68xx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=10 '69xx'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=11 '6Bxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=12 '6D00'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=13 '6E00'	1725 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=14 '9100'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=15 '92xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=16 '93xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=17 '94xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=18 '95xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=19 '96xx'	1744 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.016 status byte '6X' or '9X'	xy=20 '97xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=21 '98xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=22 '99xx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=23 '9Axx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=24 '9Bxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=25 '9Cxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=26 '9Dxx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=27 '9Exx'	1744 DTS	Pass	
1CF.016 status byte '6X' or '9X'	xy=28 '9Fxx'	1744 DTS	Pass	
1CF.030-1 WWT excess (same direction)	xy=00 D=1	-		Option NOT supported
1CF.030-1 WWT excess (same direction)	xy=01 D=2	-		Option NOT supported
1CF.030-1 WWT excess (same direction)	xy=02 D=4	-		Option NOT supported
1CF.030-2 WWT excess (same direction)	xy=00 D=1	1711 DTS01 1711 DTS11 1711 DTS21	Pass	
1CF.030-2 WWT excess (same direction)	xy=01 D=2	1711 DTS31 1711 DTS41 1711 DTS51	Pass	
1CF.030-2 WWT excess (same direction)	xy=02 D=4	1711 DTS61 1711 DTS71 1711 DTS81	Pass	
1CF.031-1 WWT excess - opposite direction	0y y=0 to 2	-		Option NOT supported
1CF.031-2 WWT excess - opposite direction	xy=00 D=1	1711 DTS00 1711 DTS10 1711 DTS20	Pass	
1CF.031-2 WWT excess - opposite direction	xy=01 D=2	1711 DTS30 1711 DTS40 1711 DTS50	Pass	
1CF.031-2 WWT excess - opposite direction	xy=02 D=4	1711 DTS60 1711 DTS70 1711 DTS80	Pass	
1CF.032 unsupported procedure byte / status byte	xy=00	1735 DTS	Pass	
1CF.032 unsupported procedure byte / status byte	xy=01	1736 DTS	Pass	
1CF.033 Parity error detection	xy=00 direct conv.	1714 DTS1	Pass	
1CF.033 Parity error detection	xy=01 inv. conv.	1714 DTS2	Pass	
1CF.034 Multiple Error Repetitions (Receiving)	xy=00	1737 DTS10	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=00 D=1	1737 DTS20	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=01 D=2	1737 DTS21	Pass	
1CF.035 Excess of error repetitions (receiving)	xy=02 D=4	1737 DTS22	Pass	
1CF.036 Interpretation of Repeated Character	xy=00	1733 DTS	Pass	

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

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.053 correct reception if BWT used	xy=14 TB3='41' - D=2	1791 DTS14	Pass	
1CF.053 correct reception if BWT used	xy=20 TB3='01' - D=4	1791 DTS20	Pass	
1CF.053 correct reception if BWT used	xy=21 TB3='11' - D=4	1791 DTS21	Pass	
1CF.053 correct reception if BWT used	xy=22 TB3='21' - D=4	1791 DTS22	Pass	
1CF.053 correct reception if BWT used	xy=23 TB3='31' - D=4	1791 DTS23	Pass	
1CF.053 correct reception if BWT used	xy=24 TB3='41' - D=4	1791 DTS24	Pass	
1CF.054 correct reception when Block Guard Time (BGT) used	xy=00	1767 DTS30 1767 DTS31 1767 DTS32	Pass	
1CF.055 Respect of 22 etus Block Guard Time (BGT) after Cold Reset	xy=00	1800 DTS1	Pass	
1CF.056 Respect of 22 etus Block Guard Time (BGT) after Warm Reset	xy=00	1800 DTS2	Pass	
1CF.057 WTX respected	xy=00 D=1	1803 DTS0	Pass	
1CF.057 WTX respected	xy=01 D=2	1803 DTS1	Pass	
1CF.057 WTX respected	xy=02 D=4	1803 DTS2	Pass	
1CF.058 Sequence Number of the First I-block	xy=00	1750 DTS10	Pass	
1CF.059 Valid exchanges of I-blocks	xy=00	1767 DTS20	Pass	
1CF.060 Chaning : IUT receiving	xy=00	1750 DTS10	Pass	
1CF.061 Chaining – Sequence Number of the R-blocks	xy=00	1778 DTS	Pass	
1CF.062 Chaining in both directions	xy=00	1782 DTS	Pass	
1CF.063 Respect of IFSI by the IUT	xy=00 TA3='10'	1798 DTS01 1798 DTS02	Pass	
1CF.063 Respect of IFSI by the IUT	xy=01 TA3='20'	1798 DTS11 1798 DTS12	Pass	
1CF.063 Respect of IFSI by the IUT	xy=02 TA3='40'	1798 DTS21 1798 DTS22	Pass	
1CF.063 Respect of IFSI by the IUT	xy=03 TA3='60'	1798 DTS31 1798 DTS32	Pass	
1CF.063 Respect of IFSI by the IUT	xy=04 TA3='80'	1798 DTS41 1798 DTS42	Pass	
1CF.063 Respect of IFSI by the IUT	xy=05 TA3='A0'	1798 DTS51 1798 DTS52	Pass	
1CF.063 Respect of IFSI by the IUT	xy=06 TA3='C0'	1798 DTS61 1798 DTS62	Pass	
1CF.063 Respect of IFSI by the IUT	xy=07 TA3='E0'	1798 DTS71 1798 DTS72	Pass	
1CF.063 Respect of IFSI by the IUT	xy=08 TA3='FE'	1798 DTS81 1798 DTS82	Pass	
1CF.064 Repeated Requests to Change IFSC Between two Chains	xy=00	1805 DTS4	Pass	
1CF.064 Repeated Requests to Change IFSC Between two Chains	xy=01	1805 DTS2 1805 DTS3 1805 DTS5	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.064 Repeated Requests to Change IFSC Between two Chains	xy=02	1805 DTS1	Pass	
1CF.080-1 CWT exceeded	Xy x=0 to 1 y=0 to 4	-		Option NOT supported
1CF.080-2 CWT exceeded	xy=00	1790 DTS00 1790 DTS01	Pass	
1CF.080-2 CWT exceeded	xy=01	1790 DTS02	Pass	
1CF.080-2 CWT exceeded	xy=02	1790 DTS03	Pass	
1CF.080-2 CWT exceeded	xy=03	1790 DTS04	Pass	
1CF.080-2 CWT exceeded	xy=04	1790 DTS05	Pass	
1CF.080-2 CWT exceeded	xy=10	1790 DTS10 1790 DTS11	Pass	
1CF.080-2 CWT exceeded	xy=11	1790 DTS12	Pass	
1CF.080-2 CWT exceeded	xy=12	1790 DTS13	Pass	
1CF.080-2 CWT exceeded	xy=13	1790 DTS14	Pass	
1CF.080-2 CWT exceeded	xy=14	1790 DTS15	Pass	
1CF.081-1 BWT exceeded in response to an S-request block	xy x=0 to 2 y=0 to 4	-		Option NOT supported
1CF.081-2 BWT exceeded in response to an S-request block	xy=00 D=1 - TB3='01'	1789 DTS30	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=01 D=1 - TB3='11'	1789 DTS31	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=02 D=1 - TB3='21'	1789 DTS32	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=03 D=1 - TB3='31'	1789 DTS33	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=04 D=1 - TB3='41'	1789 DTS34	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=10 D=2 - TB3='01'	1789 DTS40	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=11 D=2 - TB3='11'	1789 DTS41	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=12 D=2 - TB3='21'	1789 DTS42	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=13 D=2 - TB3='31'	1789 DTS43	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=14 D=2 - TB3='41'	1789 DTS44	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=20 D=4 - TB3='01'	1789 DTS50	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=21 D=4 - TB3='11'	1789 DTS51	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=22 D=4 -TB3='21'	1789 DTS52	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=23 D=4 - TB3='31'	1789 DTS53	Pass	
1CF.081-2 BWT exceeded in response to an S-request block	xy=24 D=4 - TB3='41'	1789 DTS54	Pass	
1CF.081-1 BIS BWT exceeded in response to an I-block, R-block or S-response	Xy x=0 to 2 y=0 to 4	-		Option NOT supported

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.083-2 WTX exceeded	xy=04 TB3='41' - D=1	1775 DTS04	Pass	
1CF.083-2 WTX exceeded	xy=10 TB3='01' - D=2	1775 DTS10	Pass	
1CF.083-2 WTX exceeded	xy=11 TB3='11' - D=2	1775 DTS11	Pass	
1CF.083-2 WTX exceeded	xy=12 TB3='21' - D=2	1775 DTS12	Pass	
1CF.083-2 WTX exceeded	xy=13 TB3='31' - D=2	1775 DTS13	Pass	
1CF.083-2 WTX exceeded	xy=14 TB3='41' - D=2	1775 DTS14	Pass	
1CF.083-2 WTX exceeded	xy=20 TB3='01' - D=4	1775 DTS20	Pass	
1CF.083-2 WTX exceeded	xy=21 TB3='11' - D=4	1775 DTS21	Pass	
1CF.083-2 WTX exceeded	xy=22 TB3='21' - D=4	1775 DTS22	Pass	
1CF.083-2 WTX exceeded	xy=23 TB3='31' - D=4	1775 DTS23	Pass	
1CF.083-2 WTX exceeded	xy=24 TB3='41' - D=4	1775 DTS24	Pass	
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=00	1771 DTS	Pass	
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=01	1771 DTS	Pass	
1CF.084 - Option 1 Not chaining – Transmission error then notification on an I-Block	xy=02	1771 DTS	Pass	
1CF.084 Option 2 Not chaining – transmission error then notification on an I-Block	y=0	-		Option NOT supported
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=00	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=01	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=02	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=03	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=04	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=05	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=06	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=07	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=08	1771 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=09	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=10	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=11	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=12	1771 DTS	Pass	
1CF.085 Not chaining – Syntax/semantic error then error notification	xy=13	1771 DTS	Pass	
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=00	1785 DTS00 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=01	1785 DTS01 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.086 - Option 1 Not chaining – Excess of transmission errors	xy=02	1785 DTS02 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.086 Option 2	xy=00	-		Option NOT supported
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=00	1785 DTS03 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=01	1785 DTS04 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=02	1785 DTS05 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=03	1785 DTS06 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=04	1785 DTS07 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=05	1785 DTS08 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=06	1785 DTS09 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=08	1785 DTS11 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=09	1785 DTS12 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=10	1785 DTS13 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=11	1785 DTS14 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=12	1785 DTS15 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.087 Not chaining – Excess of syntax/semantic errors	xy=13	1785 DTS20 1779 DTSxx 1787 DTSxx 1788 DTSxx 1793 DTSxx 1812 DTSxx	Pass	ICS
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=00	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=10	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=20	1770 DTS1	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=01	1770 DTS2	Pass	
1CF.088 NOT chaining – 1 or 2 transmission errors	xy=11	1770 DTS2	Pass	

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

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.091 - Option 1 Not chaining – Transmission error then notification on R-Block	xy=02	1772 DTS	Pass	
1CF.091 - Option 2 Not chaining – Transmission error then notification on R-Block	xy=00	-		Option NOT supported
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=00	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=01	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=02	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=03	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=04	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=05	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=06	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=07	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=08	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=09	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=10	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=11	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=12	1772 DTS	Pass	
1CF.092 Not chaining – Syntax/semantic error then notification on R-Block	xy=13	1772 DTS	Pass	
1CF.093 Option 1 or option 2 Not chaining – 2 Transmission errors then notification on R-Block	xy=00	1774 DTS	Pass	Option 1
1CF.094 Not chaining – 2 Syntax/semantic errors then notification on R-Block	xy=00	1774 DTS	Pass	
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=00	1808 DTS01	Pass	
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=01	1808 DTS02	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.095 - Option 1 Not chaining – Transmission error in response to S-Block	xy=02	1808 DTS03	Pass	
1CF.095 Option 2 Not chaining – Transmission error in response to S-Block	xy=00	-		Option NOT supported
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=00	1808 DTS04	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=01	1808 DTS05	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=02	1808 DTS06	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=03	1808 DTS07	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=04	1808 DTS08	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=05	1808 DTS09	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=06	1808 DTS10	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=07	1808 DTS11	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=08	1808 DTS12	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=09	1808 DTS13	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=10	1808 DTS14	Pass	
1CF.096 Not chaining – Syntax/semantic error in response to S-Block	xy=11	1808 DTS15	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=00	1809 DTS01	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=01	1809 DTS02	Pass	
1CF.097 - Option 1 Not chaining – Transmission error in response to S-Block then error notification	xy=02	1809 DTS03	Pass	
1CF.097 Option 2 Not chaining – Transmission error in response to S-Block then error notification	xy=00	-		Option NOT supported
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=00	1809 DTS04	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=01	1809 DTS05	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=02	1809 DTS06	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=03	1809 DTS07	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=04	1809 DTS08	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=05	1809 DTS09	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=06	1809 DTS10	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=07	1809 DTS11	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=08	1809 DTS12	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=09	1809 DTS13	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=10	1809 DTS14	Pass	
1CF.098 Not chaining – Syntax/semantic error in response to S-Block then error notification	xy=11	1809 DTS15	Pass	
1CF.099 Not chaining – error notification on I-Block	xy=00	1769 DTS1	Pass	
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	Resync not 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 Not chaining – Transmission error then S(IFS request)	xy=02	1807 DTS03	Pass	
1CF.102 Option 2 Not chaining – Transmission error then S(IFS request)	xy=00	-		Option NOT supported
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=00	1807 DTS04	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=01	1807 DTS05	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=02	1807 DTS06	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=03	1807 DTS07	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=04	1807 DTS08	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=05	1807 DTS09	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=06	1807 DTS10	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=07	1807 DTS11	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=08	1807 DTS12	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=09	1807 DTS13	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=10	1807 DTS14	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=11	1807 DTS15	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=12	1807 DTS16	Pass	
1CF.103 Not chaining – Syntax/semantic error then S(IFS request)	xy=13	1807 DTS17	Pass	
1CF.104 Not chaining – Error notification on S(IFS request) then S(IFS resonse)	xy=00	1797 DTS	Pass	
1CF.105 - Option 1 Not chaining – Transmission error in response to S(IFS request) then S(IFS response)	xy=00	1804 DTS00	Pass	
1CF.105 - Option 1 Not chaining – Transmission error in response to S(IFS request) then S(IFS response)	xy=01	1804 DTS01	Pass	
1CF.105 - Option 1 Not chaining – Transmission error in response to S(IFS request) then S(IFS response)	xy=02	1804 DTS02	Pass	
1CF.105 Option 2 Not chaining – Transmission error in response to S(IFS request) then S(IFS response)	xy=00	-		Option NOT supported
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=00	1804 DTS03	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=01	1804 DTS04	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=02	1804 DTS05	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=03	1804 DTS06	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=04	1804 DTS07	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=05	1804 DTS08	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=06	1804 DTS09	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=07	1804 DTS10	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=08	1804 DTS11	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=09	1804 DTS12	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=10	1804 DTS13	Pass	
1CF.106 Not chaining – Syntax/semantic error in response to S(IFS request) then S(IFS response)	xy=11	1804 DTS14	Pass	
1CF.107 Not chaining – Error notification on S(IFS response)	xy=00	1806 DTS	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=00	1794 DTS1	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=01	1794 DTS2	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=10	1794 DTS1	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=11	1794 DTS2	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=20	1794 DTS1	Pass	
1CF.108 - Option 1 Not chaining – 1 or 2 transmission errors then S(WTX request)	xy=21	1794 DTS2	Pass	
1CF.108 Option 2 Not chaining – 1 or 2 transmission errors then S(WTX request	xy=00 xy=01	-		Option NOT supported
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=00	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=01	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=02	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=03	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=04	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=05	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=06	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=07	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=08	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=09	1794 DTS1	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=10	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=11	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=12	1794 DTS1	Pass	
1CF.109 Not chaining – Transmission error then S(WTX request)	xy=13	1794 DTS1	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=00	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=01	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=02	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=03	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=04	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=05	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=06	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=08	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=09	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=10	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=11	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=12	1794 DTS2	Pass	
1CF.110 Not chaining – 2 transmission errors then S(WTX request	xy=13	1794 DTS2	Pass	
1CF.111 Not chaining – Error notification on S(WTX request)	xy=00	1795 DTS	Pass	
1CF.112 -Option 1 Chaining – Transmission error	xy=00	1776 DTS	Pass	
1CF.112 - Option 1 Chaining – Transmission error	xy=01	1776 DTS	Pass	
1CF.112 - Option 1 Chaining – Transmission error	xy=02	1776 DTS	Pass	
1CF.112 Option 2 Chaining – Transmission error	xy=00	-		Option NOT supported
1CF.113 Chaining – Syntax/semantic error	xy=00	1776 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.113 Chaining – Syntax/semantic error	xy=01	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=02	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=03	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=04	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=05	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=06	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=07	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=08	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=09	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=10	1776 DTS	Pass	
1CF.113 Chaining – Syntax/semantic error	xy=11	1776 DTS	Pass	
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=00	1781 DTS01	Pass	
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=01	1781 DTS02	Pass	
1CF.114 - Option 1 Chaining – Excess of transmission errors	xy=02	1781 DTS03	Pass	
1CF.114 Option 2 Chaining – Excess of transmission errors	xy=00	-		Option NOT supported
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=00	1781 DTS04	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=01	1781 DTS05	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=02	1781 DTS06	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=03	1781 DTS07	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=04	1781 DTS08	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=05	1781 DTS09	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=06	1781 DTS10	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=07	1781 DTS11	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=08	1781 DTS12	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=09	1781 DTS13	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=10	1781 DTS14	Pass	
1CF.115 Chaining – Excess of Syntax/semantic errors	xy=11	1781 DTS15	Pass	
1CF.116 Chaining – Excess of Error notifications	xy=00	1780 DTS 1787 DTS	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=00 - D=1	1792 DTS0	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=01 - D=2	1792 DTS1	Pass	
1CF.117 Chaining – Reception of S(ABORT request)	xy=02 - D=4	1792 DTS2	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.118 Chaining – Error notification on R-Block	xy=00	1777 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=00	1778 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=01	1778 DTS	Pass	
1CF.119 - Option 1 Chaining – Transmission error in response to R-Block	xy=02	1778 DTS	Pass	
1CF.119 Option 2 Chaining – Transmission error in response to R-Block	xy=00	-		Option NOT supported
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=00	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=01	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=02	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=03	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=04	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=05	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=06	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=07	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=08	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=09	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=10	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=11	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=12	1778 DTS	Pass	
1CF.120 Chaining – Syntax/semantic error in response to R-Block	xy=13	1778 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=00	1784 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=01	1784 DTS	Pass	
1CF.121 - Option 1 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=02	1784 DTS	Pass	

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comment
1CF.121 Option 2 Chaining – Error notification on last block of a chain then transmission errors in a chain	xy=00	-		Option NOT supported
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=00	1783 DTS 1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=01	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=02	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=03	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=04	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=05	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=06	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=07	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=08	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=09	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=10	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=11	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=12	1784 DTS	Pass	
1CF.122 Chaining – Error notification on last block of a chain then Syntax/semantic errors in a chain	xy=13	1784 DTS	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=00 D=1- BWI=0	1781 DTS01 to 1781 DTS15	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=01 D=1 – BWI=1	1785 DTS21	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=02 D=1 – BWI=2	1785 DTS22	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=03 D=1 – BWI=3	1785 DTS23	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=04 D=1 – BWI=4	1785 DTS24	Pass	
1CF.124 Chaining – Excess of errors with different deactivation delays	xy=10 D=2 – BWI=0	1785 DTS30	Pass	

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

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

8.10 Configuration2: Terminal Transport Layer at Nominal Temperature

Test Case Number	Subtest Case	Laboratory Test Script	Results	Laboratory Comments
1CF.151 Case 1 command	xy=00	1701 DTS0	Pass	
1CF.152 Case 2 command with 6C	xy=00	1702 DTS00 1734 DTS	Pass	
1CF.153 Case 2 command – Error status	xy=00	1725 DTS 1744 DTS1	Pass	
1CF.154 Case 2 command with 6C and 61	xy=00	1709 DTS0	Pass	
1CF.155 Case 3 command	xy=00	1701 DTS0 1738 DTSx	Pass	
1CF.156 Case 4 command	xy=00	1701 DTS0	Pass	
1CF.157 Case 4 command with 61	xy=00	1709 DTS0	Pass	
1CF.158 Case 4 command – Warning following 61	xy=00	1709 DTS0	Pass	
1CF.158 Case 4 command – Warning following 61	xy=01	1709 DTS0	Pass	
1CF.159 Case 4 command – Status after command data	xy=00	1740 DTS1 1740 DTS2 1740 DTS3	Pass	
1CF.159 Case 4 command – Status after command data	xy=01	1741 DTS1 1741 DTS2	Pass	
1CF.160 Case 4 command – Error notification following response data after 61	xy=00	1742 DTS1	Pass	
1CF.160 Case 4 command – Error notification following response data after 61	xy=01	1742 DTS2	Pass	
1CF.160 Case 4 command – Error notification following response data after 61	xy=02	1742 DTS3	Pass	
1CF.160 Case 4 command – Error notification following response data after 61	xy=03	1742 DTS4	Pass	
1CF.161 Case 4 command – Warning after data and error after GET RESPNSE	xy=00	1743 DTS1	Pass	
1CF.161 Case 4 command – Warning after data and error after GET RESPNSE	xy=01	1743 DTS2	Pass	
1CF.161 Case 4 command – Warning after data and error after GET RESPNSE	xy=02	1743 DTS3	Pass	
1CF.161 Case 4 command – Warning after data and error after GET RESPNSE	xy=03	1743 DTS4	Pass	
1CF.162 Case 2, 3, 4 command – Status after command header	xy=00	1744 DTS1	Pass	
1CF.162 Case 2, 3, 4 command – Status after command header	xy=01	1744 DTS2	Pass	
1CF.162 Case 2, 3, 4 command – Status after command header	xy=02	1744 DTS3 ENDDTS	Pass	

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

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

Implementation Conformance Statement Configuration 1 Pages: 16
Implementation Conformance Statement Configuration 2 Pages: 16

---------- **End of report** ----------

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:

o	Optional	the capability may be implemented as an option
m	Mandatory	the capability is required in all implementations
p	Prohibited	the capability must not be used
na	Not applicable	no requirement can be expressed about this capability
c	Conditional	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 #:
(Mandatory) 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 IFM (**Mandatory – must be completed**)	SEC1110-A5-02	A1
Name assigned by Vendor to uniquely identify this IFM hardware (**Mandatory – must be completed**)	Pelamis	Rev 1.0
Name assigned by Vendor to uniquely identify IFM software (**Mandatory - must be completed**)	USBCCID_V2.09	V2.09

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" within which the IFM **was tested**. This terminal name will appear on the letter of approval, in addition to the IFM name.	SEC1110

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

1. SN114

2. SN15

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 IFM and all related EMV and terminal level 1 specifications.

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? (as defined by the IFM provider)	2
d) How many of these IFM are of different IFM types? (each needs its own ICS)	**1**
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? (IFM should operate in a range of 5˚C to 40˚C)	**5**
g) What is the maximum IFM ambient operating temperature allowed? (IFM should operate in a range of 5˚C to 40˚C)	**70°°C**
h) What is the max. Temperature inside the IFM(s) around the inserted ICC? ($T_{ambient}$ = maximum allowed; P_{ICC} = 250 mW)	**70°°C**

2. Identifying the IFM within the IUT

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

Attachment Reference:

EMVLoopback_User_Manual.pdf

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

4. Test Software

Any laboratory requirements needed for testing including any software application required interfacing with the laboratory test equipment. Within the EMVCo documents this is referred to as an Upper Tester.
Please explain and describe where the appropriate test software is located in the IUT, how it operates, and indicate its version:

Attachment Reference:

EMVLoopback_User_Manual.pdf

V ICC Interface

1. Terminal Characteristics (Mechanical)

Please describe the contact footprint(s), the characteristics of the contacts (e.g., gliding contacts), location guides and clamps (if used), etc.(see *EMV2000,* Book I, §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:

	y/n
a) Manual ICC insertion/withdrawal (ICC directly accessible and removable at all times)	Y
b) Manual ICC insertion/withdrawal (ICC directly accessible at all times but mechanically locked when electrically activated)	Y
c) Combination of manual and automatic ICC insertion/withdrawal (ICC directly accessible at all times but mechanically locked when electrically activated)	Y

	y/n
d) Combination of manual and automatic ICC insertion/withdrawal (ICC not directly accessible [completely inside the ICC Interface])	N

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*EMV2000*, 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

6. Power Supply

A. Please indicate the IUT power supply requirements:

a) Battery-operated IUT (The battery is the only source of power to the IUT)	No
Type of batteries required (Please specify an established standard type whenever possible)	
Nominal voltage of batteries required	V
b) DC-operated IUT (The source of power to the IUT is an input of DC power)	No
Nominal voltage of DC supply required	V
Minimum voltage of DC supply for correct operation	V
Maximum voltage of DC supply for correct operation	V
Maximum current of DC supply required	A
c) Mains-operated IUT (The main AC power supply is the only source of power to the IUT)	Yes
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 - 63 Hz

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:

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)
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 number	Parameter		Reference	Value(s)
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 command after receiving data from the card?**		—	CWT
4	**Does the terminal reject an ICC returning TCK in a T=0 ATR?**		*EMV 2000*, §4.3.4	Yes
5	**Does the terminal continue the card session as soon as all characters indicated in T0 and/or TDi have been received?**		*EMV 2000*, §4.3.4	Yes
6	**Implicit negotiable mode (without PPS)**	**m**	*EMV 2000*, §4.2, 5	Yes
7	**Explicit negotiable mode (with PPS)**	**o***	*EMV 2000*, §4.2, 5	

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

c1: applies only if the terminal is able to support such values of TC2.
* The minimum allowed is above the given value in a strict inequality meaning.

IX Answer to Reset

1. Parameter Values for ATR

Please supply the supported values:

Item number	Parameter	Reference	Status	Values	
				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 *and* (2^{CWI} > (N+1) if T=1)	any value *and* (2^{CWI} > (N+1) 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** (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	**m** (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	**m** (T=1)	TA3 absent	TA3 absent
22	**TB3**	*EMV 2000*, §4.3.3.10	**m** (T=1)	m.s. nibble: "0" … "4" *and* l.s. nibble: "0" … "5" *and* 2^{CWI} > (N+1)	m.s. nibble: "0" … "4" *and* l.s. nibble: "0" … "5" *and* 2^{CWI} > (N+1)
23	**TB3**	*EMV 2000*, §4.3.3.10	p**	m.s. nibble > "4" *or* l.s. nibble > "5" *or* $2^{CWI} \leq (N+1)$	
24	**TB3**	*EMV 2000*, §4.3.3.10	p**	TB3 absent	
25	**TC3**	*EMV 2000*, §4.3.3.11	**m** (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	
				Allowed	Supported
1	**Terminal minimum inter-character time**	*EMV 2000*, §5.2.2.1 (according to TC1)	**m**	"12" … "266"	"12" … "266"
2	**ICC minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"11.8"	"11.8"
3	**ICC–terminal minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"15"	"15"
4	**Terminal–ICC minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"16"	"16"

XI Protocol T=1

1. Implemented Features

Please mark the boxes with yes or no:

Item number	Function	Reference	Status	Support (Y/N)
1	**Node addressing: received NAD ≠ "00"**	*EMV 2000*, §5.2.4.1.1.1	o	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** **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 number	Block	Reference	Sending		Receipt	
			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. and note	c1	Yes	**m***	Yes
4a	**S(RESYNCH request)**	*EMV 2000*, §5.2.5.1 / 8. and note	c2	No	**m***	Yes

Item number	Block	Reference	Sending		Receipt	
			Status	Support (Y/N)	Status	Support (Y/N)
5	**S(RESYNCH response)** (c1/c2)	*EMV 2000,* §5.2.5.1 / 8. note	p**		o***	Yes
6	**S(RESYNCH response)** (else**)**	*EMV 2000,* §5.2.5.1 / 8. note	p**		**m*** **	
7	**S(IFS request) with INF = 'FE' is the first block sent following ATR**	*EMV 2000,* §5.2.4.3 / 1.	**m**	Yes	**n/a**	
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)**	*EMV 2000,* §5.2.5.1 / 9. and note	c3	No	**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 note 8	p**		**m***	Yes
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.
* 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").
** Shaded boxes indicate a prohibited capability.
*** optional for cases related to c1/c2; otherwise, mandatory as protocol error.

3. Parameter Values for T=1

Please supply the supported values:

Item number	Parameter	Reference	Status	Values	
				Allowed	Supported
1	**LEN of INF**	*EMV 2000,* §5.2.4.1.1.3 reference specification	**m**	"0" … "254"	"0" … "254"
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"
4	**ICC intercharacter minimum time**	*EMV 2000,* §5.2.4.2.2	**m**	"10.8"	"10.8"
5	**ICC Block guard time**	*EMV 2000,* §5.2.4.2.2	**m**	"21"	"21"

IMPLEMENTATION CONFORMANCE STATEMENT – Revision History

V2.1 (Mandatory starting 30th of April, 2007)

- 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:

o	Optional	the capability may be implemented as an option
m	Mandatory	the capability is required in all implementations
p	Prohibited	the capability must not be used
na	Not applicable	no requirement can be expressed about this capability
c	Conditional	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 #:
(Mandatory) 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 IFM (**Mandatory – must be completed**)	SEC1110-A5-02	A1
Name assigned by Vendor to uniquely identify this IFM hardware (**Mandatory – must be completed**)	Pelamis	Rev 1.0
Name assigned by Vendor to uniquely identify IFM software (**Mandatory - must be completed**)	USBCCID_V2.09	V2.09

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" within which the IFM **was tested**. This terminal name will appear on the letter of approval, in addition to the IFM name.	SEC1110

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

1. SN114

2. SN15

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 IFM and all related EMV and terminal level 1 specifications.

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? (as defined by the IFM provider)	2
d) How many of these IFM are of different IFM types? (each needs its own ICS)	**1**
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? (IFM should operate in a range of 5˚C to 40˚C)	**5**
g) What is the maximum IFM ambient operating temperature allowed? (IFM should operate in a range of 5˚C to 40˚C)	**70°°C**
h) What is the max. Temperature inside the IFM(s) around the inserted ICC? ($T_{ambient}$ = maximum allowed; P_{ICC} = 250 mW)	**70°°C**

2. Identifying the IFM within the IUT

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

Attachment Reference:

EMVLoopback_User_Manual.pdf

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

4. Test Software

Any laboratory requirements needed for testing including any software application required interfacing with the laboratory test equipment. Within the EMVCo documents this is referred to as an Upper Tester.
Please explain and describe where the appropriate test software is located in the IUT, how it operates, and indicate its version:

Attachment Reference:

EMVLoopback_User_Manual.pdf

V ICC Interface

1. Terminal Characteristics (Mechanical)

Please describe the contact footprint(s), the characteristics of the contacts (e.g., gliding contacts), location guides and clamps (if used), etc.(see *EMV2000,* Book I, §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:

	y/n
a) Manual ICC insertion/withdrawal (ICC directly accessible and removable at all times)	Y
b) Manual ICC insertion/withdrawal (ICC directly accessible at all times but mechanically locked when electrically activated)	Y
c) Combination of manual and automatic ICC insertion/withdrawal (ICC directly accessible at all times but mechanically locked when electrically activated)	Y

	y/n
d) Combination of manual and automatic ICC insertion/withdrawal (ICC not directly accessible [completely inside the ICC Interface])	N

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*EMV2000*, 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

6. Power Supply

A. Please indicate the IUT power supply requirements:

a) Battery-operated IUT (The battery is the only source of power to the IUT)	No
Type of batteries required (Please specify an established standard type whenever possible)	
Nominal voltage of batteries required	V
b) DC-operated IUT (The source of power to the IUT is an input of DC power)	No
Nominal voltage of DC supply required	V
Minimum voltage of DC supply for correct operation	V
Maximum voltage of DC supply for correct operation	V
Maximum current of DC supply required	A
c) Mains-operated IUT (The main AC power supply is the only source of power to the IUT)	Yes
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:

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)
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 number	Parameter	Reference	Value(s)
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 command after receiving data from the card?**	—	—	CWT
4	**Does the terminal reject an ICC returning TCK in a T=0 ATR?**		*EMV 2000,* §4.3.4	Yes
5	**Does the terminal continue the card session as soon as all characters indicated in T0 and/or TDi have been received?**		*EMV 2000,* §4.3.4	Yes
6	**Implicit negotiable mode (without PPS)**	**m**	*EMV 2000,* §4.2, 5	Yes
7	**Explicit negotiable mode (with PPS)**	**o***	*EMV 2000,* §4.2, 5	Yes

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

c1: applies only if the terminal is able to support such values of TC2.
* The minimum allowed is above the given value in a strict inequality meaning.

IX Answer to Reset

1. Parameter Values for ATR

Please supply the supported values:

Item number	Parameter	Reference	Status	Values	
				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"

Item number	Parameter	Reference	Status	Values	
				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 *and* (2^{CWI} > (N+1) if T=1)	any value *and* (2^{CWI} > (N+1) 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** (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	**m** (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	**m** (T=1)	TA3 absent	TA3 absent
22	**TB3**	*EMV 2000*, §4.3.3.10	**m** (T=1)	m.s. nibble: "0" … "4" *and* l.s. nibble: "0" … "5" *and* 2^{CWI} > (N+1)	m.s. nibble: "0" … "4" *and* l.s. nibble: "0" … "5" *and* 2^{CWI} > (N+1)
23	**TB3**	*EMV 2000*, §4.3.3.10	p**	m.s. nibble > "4" *or* l.s. nibble > "5" *or* $2^{CWI} \leq (N+1)$	
24	**TB3**	*EMV 2000*, §4.3.3.10	p**	TB3 absent	
25	**TC3**	*EMV 2000*, §4.3.3.11	**m** (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	
				Allowed	Supported
1	**Terminal minimum inter-character time**	*EMV 2000*, §5.2.2.1 (according to TC1)	**m**	"12" … "266"	"12" … "266"
2	**ICC minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"11.8"	"11.8"
3	**ICC–terminal minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"15"	"15"
4	**Terminal–ICC minimum inter-character time**	*EMV 2000*, §5.2.2.1	**m**	"16"	"16"

XI Protocol T=1

1. Implemented Features

Please mark the boxes with yes or no:

Item number	Function	Reference	Status	Support (Y/N)
1	**Node addressing: received NAD ≠ "00"**	*EMV 2000*, §5.2.4.1.1.1	o	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 number	Block	Reference	Sending		Receipt	
			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. and note	c1	No	**m***	Yes
4a	**S(RESYNCH request)**	*EMV 2000*, §5.2.5.1 / 8. and note	c2	No	**m***	Yes

Item number	Block	Reference	Sending		Receipt	
			Status	Support (Y/N)	Status	Support (Y/N)
5	**S(RESYNCH response)** (c1/c2)	*EMV 2000,* §5.2.5.1 / 8. note	p**		o***	Yes
6	**S(RESYNCH response)** (else**)**	*EMV 2000,* §5.2.5.1 / 8. note	p**		**m*** **	
7	**S(IFS request) with INF = 'FE' is the first block sent following ATR**	*EMV 2000,* §5.2.4.3 / 1.	**m**	Yes	**n/a**	Yes
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)**	*EMV 2000,* §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 note 8	p**		**m***	Yes
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.
* 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").
** Shaded boxes indicate a prohibited capability.
*** optional for cases related to c1/c2; otherwise, mandatory as protocol error.

3. Parameter Values for T=1

Please supply the supported values:

Item number	Parameter	Reference	Status	Values	
				Allowed	Supported
1	**LEN of INF**	*EMV 2000,* §5.2.4.1.1.3 reference specification	**m**	"0" … "254"	"0" … "254"
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"
4	**ICC intercharacter minimum time**	*EMV 2000,* §5.2.4.2.2	**m**	"10.8"	"10.8"
5	**ICC Block guard time**	*EMV 2000,* §5.2.4.2.2	**m**	"21"	"21"

IMPLEMENTATION CONFORMANCE STATEMENT – Revision History

V2.1 (Mandatory starting 30th of April, 2007)

- 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