ITU-T

H.845.14

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU (04/2017)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

E-health multimedia services and applications – Interoperability compliance testing of personal health systems (HRN, PAN, LAN, TAN and WAN)

Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 5N: International normalized ratio

Recommendation ITU-T H.845.14



ITU-T H-SERIES RECOMMENDATIONS

AUDIOVISUAL AND MULTIMEDIA SYSTEMS

CHARACTERISTICS OF VISUAL TELEPHONE SYSTEMS	H.100-H.199
INFRASTRUCTURE OF AUDIOVISUAL SERVICES	
General	H.200-H.219
Transmission multiplexing and synchronization	H.220-H.229
Systems aspects	H.230-H.239
Communication procedures	H.240-H.259
Coding of moving video	H.260-H.279
Related systems aspects	H.280-H.299
Systems and terminal equipment for audiovisual services	H.300-H.349
Directory services architecture for audiovisual and multimedia services	H.350-H.359
Quality of service architecture for audiovisual and multimedia services	H.360-H.369
Telepresence	H.420-H.429
Supplementary services for multimedia	H.450-H.499
MOBILITY AND COLLABORATION PROCEDURES	
Overview of Mobility and Collaboration, definitions, protocols and procedures	H.500-H.509
Mobility for H-Series multimedia systems and services	H.510-H.519
Mobile multimedia collaboration applications and services	H.520-H.529
Security for mobile multimedia systems and services	H.530-H.539
Security for mobile multimedia collaboration applications and services	H.540-H.549
Mobility interworking procedures	H.550-H.559
Mobile multimedia collaboration inter-working procedures	H.560-H.569
BROADBAND, TRIPLE-PLAY AND ADVANCED MULTIMEDIA SERVICES	
Broadband multimedia services over VDSL	H.610-H.619
Advanced multimedia services and applications	H.620-H.629
Ubiquitous sensor network applications and Internet of Things	H.640-H.649
IPTV MULTIMEDIA SERVICES AND APPLICATIONS FOR IPTV	
General aspects	H.700-H.719
IPTV terminal devices	H.720-H.729
IPTV middleware	H.730-H.739
IPTV application event handling	H.740-H.749
IPTV metadata	H.750-H.759
IPTV multimedia application frameworks	H.760-H.769
IPTV service discovery up to consumption	H.770-H.779
Digital Signage	H.780-H.789
E-HEALTH MULTIMEDIA SERVICES AND APPLICATIONS	
Personal health systems	H.810-H.819
Interoperability compliance testing of personal health systems (HRN, PAN, LAN, TAN	H.820-H.859
and WAN)	
Multimedia e-health data exchange services	H.860-H.869

 $For {\it further details, please refer to the list of ITU-T Recommendations}.$

Recommendation ITU-T H.845.14

Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 5N: International normalized ratio

Summary

Recommendation ITU-T H.845.14 provides a test suite structure (TSS) and the test purposes (TP) for devices measuring the international normalized ratio in the Personal Health Devices (PHD) interface, based on the requirements defined in the Recommendations of the ITU-T H.810 sub-series, of which Recommendation ITU-T H.810 (2016) is the base Recommendation. The objective of this test specification is to provide a high probability of interoperability at this interface.

Recommendation ITU-T H.845.14 is a transposition of Continua Test Tool DG2016, Test Suite Structure & Test Purposes, Personal Health Devices Interface; Part 5N: Device Specializations. Personal Health Device (International Normalized Ratio, INR) (Version 1.3, 2016-09-20), that was developed by the Personal Connected Health Alliance. A number of versions of this specification existed before transposition.

This Recommendation includes an electronic attachment with the protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T H.845.14	2015-01-13	16	11.1002/1000/12274
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Keywords

Conformance testing, Continua Design Guidelines, e-health, IEEE 11073 device specialization, international normalized ratio, ITU-T H.810, personal area network, personal connected health devices, Personal Health Devices interface, touch area network.

^{*} To access the Recommendation, type the URL http://handle.itu.int/ in the address field of your web browser, followed by the Recommendation's unique ID. For example, http://handle.itu.int/11.1002/1000/11 830-en.

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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Table of Contents

			Page
1	Scope	· · · · · · · · · · · · · · · · · · ·	1
2	Refere	ences	2
3	Defini	itions	2
	3.1	Terms defined elsewhere	2
	3.2	Terms defined in this Recommendation	2
4	Abbre	eviations and acronyms	3
5	Conve	entions	3
6	Test s	uite structure (TSS)	5
7	Electr	onic attachment	7
Anne	х А Те	est purposes	8
	A.1	TP definition conventions	8
	A.2	Subgroup 1.3.14 – International normalized ratio (INR)	9
Biblio	ogranhy	,	50

Electronic attachment: This Recommendation includes an electronic attachment with the protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

Introduction

This Recommendation is a transposition of Continua Test Tool DG2016, Test Suite Structure & Test Purposes, Personal Health Devices Interface; Part 5N: Device Specializations. Personal Health Device (International Normalized Ratio -INR-) (Version 1.3, 2016-09-20), that was developed by the Personal Connected Health Alliance. The table below shows the revision history of this test specification; it may contain versions that existed before transposition.

Version	Date	Revision history
1.0	2014-01-24	Initial release for Test Tool DG2013 based on the requirements in [b-ITU-T H.810 (2013)]/[b-CDG 2013].
1.1	2014-04-24	TM Lite & Doc Enhancements (Test Tool v4.0 Maintenance Release 1). It uses "TSS&TP_DG2013_PLT_PART_5N_v1.0.doc" as a baseline and adds new features included in Documentation Enhancements: • "Other PICS" row added
1.2	2015-07-01	Initial release for Test Tool DG2015. It uses "TSS&TP_DG2013_ PLT_PART_5N_v1.1.doc" as a baseline and adds new features included in [b-ITU-T H.810 (2015)]/[b-CDG 2015]
1.3	2016-09-20	Initial release for Test Tool DG2016. It uses "TSS&TP_DG2015_ PLT_PART_5N_v1.2.doc" as a baseline and adds new features included in [ITU-T H.810 (2016)]/[b-CDG 2016]

Recommendation ITU-T H.845.14

Conformance of ITU-T H.810 personal health system: Personal Health Devices interface Part 5N: International normalized ratio

1 Scope

The scope of this Recommendation¹ is to provide a test suite structure (TSS) and the test purposes (TP) for the Personal Health Devices interface based on the requirements defined in the Continua Design Guidelines (CDG) [ITU-T H.810 (2016)]. The objective of this test specification is to provide a high probability of interoperability at this interface.

The TSS and TP for the Personal Health Devices interface have been divided into the parts specified below. This Recommendation covers Part 5, subpart 5N.

- Part 1: Optimized exchange protocol. Personal Health Device
- Part 2: Optimized exchange protocol. Personal Health Gateway
- Part 3: Continua design guidelines. Personal Health Device
- Part 4: Continua design guidelines. Personal Health Gateway
- Part 5: Device specializations. Personal Health Devices interface. This document is divided into the following subparts:
 - Part 5A: Weighing scales
 - Part 5B: Glucose meter
 - Part 5C: Pulse oximeter
 - Part 5D: Blood pressure monitor
 - Part 5E: Thermometer
 - Part 5F: Cardiovascular fitness and activity monitor
 - Part 5G: Strength fitness equipment
 - Part 5H: Independent living activity hub
 - Part 5I: Adherence monitor
 - Part 5J: Insulin pump
 - Part 5K: Peak expiratory flow monitor
 - Part 5L: Body composition analyser
 - Part 5M: Basic electrocardiograph
 - Part 5N: International normalized ratio monitor
 - Part 5O: Sleep apnoea breathing therapy equipment (SABTE)
 - Part 5P: Continuous glucose monitor (CGM)
- Part 6: Device specializations. Personal Health Gateway
- Part 7: Continua Design Guidelines. BLE Personal Health Device
- Part 8: Continua Design Guidelines. BLE Personal Health Gateway

¹ This Recommendation includes an electronic attachment with the protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

- Part 9: Personal Health Devices Transcoding Whitepaper. Personal Health Devices
- Part 10: Personal Health Devices Transcoding Whitepaper. Personal Health Gateway

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T H.810 (2016)] Recommendation ITU-T H.810 (2016), Interoperability design

guidelines for personal health systems.

[ISO/IEEE 11073-10418C] ISO/IEEE 11073-10418-2014, *Health informatics – Personal*

health device communication – Part 10418: Device

specialization – International Normalized Ratio (INR) monitor,

including ISO/IEEE 11073-10418:2014/Cor 1:2016.

https://www.iso.org/standard/61897.html with https://www.iso.org/standard/70740.html

[ISO/IEEE 11073-20601-2015A] ISO/IEEE 11073-20601:2010, *Health informatics – Personal*

health device communication – Part 20601: Application profile – Optimized exchange protocol, including ISO/IEEE 11073-

20601:2010 Amd 1:2015.

https://www.iso.org/standard/54331.html with https://www.iso.org/standard/63972.html

[ISO/IEEE 11073-20601-2016C] ISO/IEEE 11073-20601:2016, Health informatics – Personal

health device communication – Part 20601: Application profile – Optimized exchange protocol, including ISO/IEEE 11073-

20601:2016/Cor.1:2016.

https://www.iso.org/standard/66717.html with https://www.iso.org/standard/71886.html

3 Definitions

3.1 Terms defined elsewhere

This Recommendation uses the following terms defined elsewhere:

- **3.1.1 agent** [ISO/IEEE 11073-20601-2016C]: A node that collects and transmits personal health data to an associated manager.
- **3.1.2** manager [ISO/IEEE 11073-20601-2016C]: A node receiving data from one or more agent systems. Some examples of managers include a cellular phone, health appliance, set top box, or a computer system.

3.2 Terms defined in this Recommendation

None.

4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

ATS Abstract Test Suite

DUT Device Under Test

CDG Continua Design Guidelines

CGM Continuous Glucose Monitor

GUI Graphical User Interface

INR International Normalized Ratio

IP Insulin Pump

IUT Implementation Under Test

MDS Medical Device System

NFC Near Field Communication

PAN Personal Area Network

PCT Protocol Conformance Testing

PCO Point of Control and Observation

PHD Personal Health Device

PHDC Personal Healthcare Device Class

PHG Personal Health Gateway

PICS Protocol Implementation Conformance Statement

PIXIT Protocol Implementation extra Information for Testing

SABTE Sleep Apnoea Breathing Therapy Equipment

SCR Static Conformance Review

SDP Service Discovery Protocol

SOAP Simple Object Access Protocol

TCWG Test and Certification Working Group

TP Test Purpose

TSS Test Suite Structure

USB Universal Serial Bus

WDM Windows Driver Model

5 Conventions

The key words "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "MAY", "MAY NOT" in this Recommendation are to be interpreted as in [b-ETSI SR 001 262].

- SHALL is equivalent to 'must' or 'it is required to'.
- SHALL NOT is equivalent to 'must not' or 'it is not allowed'.
- SHOULD is equivalent to 'it is recommended to'.
- SHOULD NOT is equivalent to 'it is not recommended to'.
- MAY is equivalent to 'is permitted'.

MAY NOT is equivalent to 'it is not required that'.

NOTE – The above-mentioned key words are capitalized for illustrative purposes only and they do not appear capitalized within this Recommendation.

Reference is made in the ITU-T H.800-series of Recommendations to different versions of the Continua Design Guidelines (CDG) by a specific designation. The list of terms that may be used in this Recommendation is provided in Table 1.

Table 1 – List of designations associated with the various versions of the CDG

CDG release	Transposed as	Version	Description	Designation
2016 plus errata	[ITU-T H.810 (2016)]	6.1	Release 2016 plus errata noting all ratified bugs [b-CDG 2016].	-
2016	_	6.0	Release 2016 of the CDG including maintenance updates of the CDG 2015 and additional guidelines that cover new functionalities.	
2015 plus errata	[b-ITU-T H.810 (2015)]	5.1	Release 2015 plus errata noting all ratified bugs [b-CDG 2015]. The 2013 edition of H.810 is split into eight parts in the H.810-series.	_
2015	_	5.0	Release 2015 of the CDG including maintenance updates of the CDG 2013 and additional guidelines that cover new functionalities.	Genome
2013 plus errata	[b-ITU-T H.810 (2013)]	4.1	Release 2013 plus errata noting all ratified bugs [b-CDG 2013].	_
2013	_	4.0	Release 2013 of the CDG including maintenance updates of the CDG 2012 and additional guidelines that cover new functionalities.	
2012 plus errata	_	3.1	Release 2012 plus errata noting all ratified bugs [b-CDG 2012].	
2012	-	3.0	Release 2012 of the CDG including maintenance updates of the CDG 2011 and additional guidelines that cover new functionalities.	
2011 plus errata	_	2.1	CDG 2011 integrated with identified errata.	_
2011	_	2.0	Release 2011 of the CDG including maintenance updates of the CDG 2010 and additional guidelines that cover new functionalities [b-CDG 2011].	
2010 plus errata	_	1.6	CDG 2010 integrated with identified – errata	
2010	-	1.5	Release 2010 of the CDG with maintenance updates of the CDG Version 1 and additional guidelines that cover new functionalities [b-CDG 2010].	
1.0	_	1.0	First released version of the CDG [b-CDG 1.0].	_

6 Test suite structure (TSS)

The test purposes (TPs) for the Personal Health Devices interface have been divided into the main subgroups specified below. Annex A describes the TPs for subgroup 1.3.14 (shown in bold).

- Group 1: Personal Health Device (PHD)
 - Group 1.1: Transport (TR)
 - Subgroup 1.1.1: Design guidelines: Common (DGC)
 - Subgroup 1.1.2: USB design guidelines (UDG)
 - Subgroup 1.1.3: Bluetooth design guidelines (BDG)
 - Subgroup 1.1.4: Pulse oximeter design guidelines (PODG)
 - Subgroup 1.1.5: Cardiovascular design guidelines (CVDG)
 - Subgroup 1.1.6: Activity hub design guidelines (HUBDG)
 - Subgroup 1.1.7: ZigBee design guidelines (ZDG)
 - Subgroup 1.1.8: Glucose meter design guidelines (GLDG)
 - Subgroup 1.1.9: Bluetooth low energy design guidelines (BLEDG)
 - Subgroup 1.1.10: Basic electrocardiograph design guidelines (ECGDG)
 - Subgroup 1.1.11: NFC design guidelines (NDG)
 - Group 1.2: IEEE 20601 Optimized exchange protocol (OXP)
 - Subgroup 1.2.1: PHD domain information model (DIM)
 - Subgroup 1.2.2: PHD service model (SER)
 - Subgroup 1.2.3: PHD communication model (COM)
 - Group 1.3: Devices class specializations (CLASS)
 - Subgroup 1.3.1: Weighing scales (WEG)
 - Subgroup 1.3.2: Glucose meter (GL)
 - Subgroup 1.3.3: Pulse oximeter (PO)
 - Subgroup 1.3.4: Blood pressure monitor (BPM)
 - Subgroup 1.3.5: Thermometer (TH)
 - Subgroup 1.3.6: Cardiovascular (CV)
 - Subgroup 1.3.7: Strength (ST)
 - Subgroup 1.3.8: Activity hub (HUB)
 - Subgroup 1.3.9: Adherence monitor (AM)
 - Subgroup 1.3.10: Insulin pump (IP)
 - Subgroup 1.3.11: Peak flow (PF)
 - Subgroup 1.3.12: Body composition analyser (BCA)
 - Subgroup 1.3.13: Basic electrocardiograph (ECG)
 - Subgroup 1.3.14: International normalized ratio (INR)
 - Subgroup 1.3.15: Sleep apnoea breathing therapy equipment (SABTE)
 - Subgroup 1.3.16: Continuous glucose monitor (CGM)
 - Group 1.4: Personal health device transcoding whitepaper (PHDTW)
 - Subgroup 1.4.1: Whitepaper general requirements (GEN)
 - Subgroup 1.4.2: Whitepaper thermometer requirements (TH)
 - Subgroup 1.4.3: Whitepaper blood pressure requirements (BPM)

- Subgroup 1.4.4: Whitepaper heart rate requirements (HR)
- Subgroup 1.4.5: Whitepaper glucose meter requirements (GL)
- Subgroup 1.4.6: Whitepaper weight scale requirements (WS)
- Subgroup 1.4.7: Whitepaper pulse oximeter requirements (PLX)
- Subgroup 1.4.8: Whitepaper continuous glucose monitoring requirements (CGM)
- Group 2: Personal Health Gateway (PHG)
 - Group 2.1: Transport (TR)
 - Subgroup 2.1.1: Design guidelines: Common (DGC)
 - Subgroup 2.1.2: USB design guidelines (UDG)
 - Subgroup 2.1.3: Bluetooth design guidelines (BDG)
 - Subgroup 2.1.4: Cardiovascular design guidelines (CVDG)
 - Subgroup 2.1.5: Activity hub design guidelines (HUBDG)
 - Subgroup 2.1.6: ZigBee design guidelines (ZDG)
 - Subgroup 2.1.7: Bluetooth low energy design guidelines (BLEDG)
 - Subgroup 2.1.8: NFC design guidelines (NDG)
 - Group 2.2: IEEE 20601 Optimized exchange protocol (OXP)
 - Subgroup 2.2.1: General (GEN)
 - Subgroup 2.2.2: PHD domain information model (DIM)
 - Subgroup 2.2.3: PHD service model (SER)
 - Subgroup 2.2.4: PHD communication model (COM)
 - Group 2.3: Devices class specializations (CLASS)
 - Subgroup 2.3.1: Weighing scales (WEG)
 - Subgroup 2.3.2: Glucose meter (GL)
 - Subgroup 2.3.3: Pulse oximeter (PO)
 - Subgroup 2.3.4: Blood pressure monitor (BPM)
 - Subgroup 2.3.5: Thermometer (TH)
 - Subgroup 2.3.6: Cardiovascular (CV)
 - Subgroup 2.3.7: Strength (ST)
 - Subgroup 2.3.8: Activity hub (HUB)
 - Subgroup 2.3.9: Adherence monitor (AM)
 - Subgroup 2.3.10: Insulin pump (IP)
 - Subgroup 2.3.11: Peak flow (PF)
 - Subgroup 2.3.12: Body composition analyser (BCA)
 - Subgroup 2.3.13: Basic electrocardiograph (ECG)
 - Subgroup 2.3.14: International normalized ratio (INR)
 - Subgroup 2.3.15: Sleep apnoea breathing therapy equipment (SABTE)
 - Subgroup 2.3.16: Continuous glucose monitor (CGM)
 - Group 2.4: Personal health device transcoding whitepaper (PHDTW)
 - Subgroup 2.4.1: Whitepaper general requirements (GEN)
 - Subgroup 2.4.2: Whitepaper thermometer requirements (TH)
 - Subgroup 2.4.3: Whitepaper blood pressure measurement requirements (BPM)

- Subgroup 2.4.4: Whitepaper heart rate requirements (HR)
- Subgroup 2.4.5: Whitepaper glucose meter requirements (GL)
- Subgroup 2.4.6: Whitepaper weight scale requirements (WS)
- Subgroup 2.4.7: Whitepaper pulse oximeter requirements (PLX)
- Subgroup 2.4.8: Whitepaper continuous glucose monitoring requirements (CGM)

7 Electronic attachment

The protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of this annex can be downloaded from http://handle.itu.int/11.1002/2000/12067.

In the electronic attachment, letters "C" and "I" in the column labelled "Mandatory" are used to distinguish between "PICS" and "PIXIT" respectively during testing. If the cell is empty, the corresponding PICS is "independent". If the field contains a "C", the corresponding PICS is dependent on other PICS, and the logical expression is detailed in the "SCR_Expression" field. The static conformance review (SCR) is used in the test tool to assert whether the PICS selection is consistent.

Annex A

Test purposes

(This annex forms an integral part of this Recommendation.)

A.1 TP definition conventions

The test purposes (TPs) are defined according to the following rules:

- TP Id: This is a unique identifier (TP/<TT>/<DUT>/<GR>/<SGR>/<XX> <NNN>). It is specified according to the naming convention defined below:
 - Each test purpose identifier is introduced by the prefix "TP".
 - <TT>: This is the test tool that will be used in the test case:
 - o PAN: Personal area network (Bluetooth or USB)
 - LAN: Local area network (ZigBee)
 - PAN-LAN: Personal area network (Bluetooth or USB) Local area network (ZigBee)
 - LP-PAN: Low power personal area network (Bluetooth low energy)
 - TAN: Touch area network (NFC)
 - PLT: Personal area network (Bluetooth or USB) Local area network (ZigBee) –
 Touch Area Network (NFC)
 - <DUT>: This is the device under test:
 - PHD: Personal Health Device
 - PHG: Personal Health Gateway
 - <GR>: This identifies a group of test cases.
 - <SGR>: This identifies a subgroup of test cases.
 - <XX>: This identifies the type of testing:
 - o BV: Valid behaviour test
 - BI: Invalid behaviour test
 - <NNN>: This is a sequential number that identifies the test purpose.
- **TP label**: This is the TP's title.
- Coverage: This contains the specification reference and clause to be checked by the TP:
 - Spec: This indicates the earliest version of the specification from which the testable items to be checked by the TP were included.
 - Testable item: This contains testable items to be checked by the TP.
- **Test purpose**: This is a description of the requirements to be tested.
- Applicability: This contains the PICS items that define if the test case is applicable or not for a specific device. When a TP contains an "ALL" in this field it means that it applies to the device under test within that scope of the test (specialization, transport used, etc.).
- Other PICS: This contains additional PICS items (apart from the PICS specified in the Applicability row) which are used within the test case implementation and can modify the final verdict. When this row is empty, it means that only the PICS specified in the Applicability row are used within the test case implementation
- Initial condition: This indicates the state to which the DUT needs to be moved at the beginning of TC execution.

- Test procedure: This describes the steps to be followed in order to execute the test case.
- Pass/Fail criteria: This provides criteria to decide whether the DUT passes or fails the test case.

A.2 Subgroup 1.3.14 – International normalized ratio (INR)

TP Id		TP/PLT/PHD/CLASS/INR/BV-000_A					
TP label		Get MDS Object for INR monitor specialization: Mandatory, Conditional and Optional Attributes.					
Coverage	Spec	[ISO/IE	[ISO/IEEE 11073-10418C]				
	Testable	MDSIN	R Atr 1; M	MDSINR Atr 2; M	MDSINR Atr 4; M		
	items	MDSIN	R Atr 5; M				
Test purpose	9	Check t	Check that:				
		The MD	S Object contains t	the attributes specified for a IN	IR Monitor PHD		
Applicability		C_AG_	OXP_000 AND C_A	AG_OXP_163			
Other PICS		C_AG_	OXP_181, C_AG_I	NR_001, C_AG_INR_002			
Initial condit	ion		nulated Personal He in the Operating st		Personal Health Device (PHD) under		
Test procedu	ure			sues a "roiv-cmip-get" commar t) and the attribute-id-list set to			
				th a "rors-cmip-get" service me plemented attributes of the MD	essage in which the attribute-list OS object.		
		ME	S Attributes:				
		a. Attribute System-Type must not be present.					
		b. Mandatory attribute System-Type-Spec_List					
			☐ attribute-id =	MDC_ATTR_SYS_TYPE_SPE	EC_LIST		
			attribute-type	= TypeVerList			
			attribute-valu	e.length = 4 bytes for each cor	nfiguration supported		
			attribute-valulist	e = {MDC_DEV_SPEC_PROF	TILE_COAG, 1} must be found in the		
		C.	Mandatory attribu	te System-model			
			☐ attribute-id =	MDC_ATTR_ID_MODEL (0x0	9 0x28)		
			attribute-type	= SystemModel			
			☐ atribute-value	e.length = <variable></variable>			
			□ attribute-valu	e =			
			 Manufac 	turer = Check against PIXIT I_	AG_OXP_003		
			Model =	Check against PIXIT I_AG_O>	KP_004		
		d.	Mandatory attribu	te Dev-Configuration-Id			
			☐ IF C_AG_INF	R_001 THEN attribute-value =	0x0708 (1800)		
			☐ IF C_AG_INF	R_002 THEN attribute-value =	0x0709 (1801)		
			☐ IF C_AG_OXP_181 THEN attribute-value = < between 0x4000 and 0x7FFF >				
Pass/Fail cri	teria	All ched	cked values are as	specified in the test procedure.			
Notes							

TP ld	TP/PLT/PHD/CLASS/INR/BV-000_B
TP label	MDS Configuration objects events for INR monitor specialization.

Coverage	Spec	[ISO/IEEE 11073-10418C]				
	Testable items	MDSEvents 1; M				
Test purpos	e	Check that:				
		INR monitor PHD sends the MDS-Configuration-Event using a Confirmed event report and includes the event-info ConfigReport				
Applicability	,	C_AG_OXP_000 AND C_AG_OXP_163				
Other PICS		C_AG_OXP_010, C_AG_OXP_181, C_AG_INR_001, C_AG_INR_002				
Initial condition The simulated PHG and the PHD under test are in the Unassociated state.						
Test procedu	ure	The simulated PHG receives an association request from the PHD under test.				
		2. The simulated PHG responds with a result = accepted-unknown-config.				
		 The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG: 				
		a. APDU Type				
		☐ field- type = PrstApdu				
		☐ field-length =2 bytes				
		☐ field-value =0xE7 0x00				
		b. invoke-id				
		☐ field- type = InvokeIDType				
		☐ field-length =INT-U16				
		☐ field- value = <not for="" relevant="" test="" this=""></not>				
		c. message				
		☐ field- type = roiv-cmip-confirmed-event-report				
		☐ field-length =two bytes				
		☐ field- value =0x01 0x01 (EventReportArgumentSimple)				
		d. obj-handle (EventReportArgumentSimple)				
		☐ field- type = HANDLE				
		☐ field-length =INT-U16				
		e. event-time (EventReportArgumentSimple)				
		☐ field- type = Relative Time				
		☐ field-length =INT-U32				
		☐ field-value =				
		 IF NOT C_AG_OXP_010 THEN value = 0xFF 0xFF 0xFF 0xFF 				
		f. event-type (EventReportArgumentSimple)				
		☐ field- type = OID-Type				
		☐ field-length =INT-U16				
		field- value=0x0D 0x1C (MDC_NOTI_CONFIG)				
		g. config-report-id (ConfigReport)				
		☐ field- type = Configld				
		field-length = INT-U16				
		field value = < It matches the tested configuration>				
		IF C_AG_INR_001 THEN attribute-value = 0x 0708 (1800)				
		IF C_AG_INR_002 THEN attribute-value = 0x 0709 (1801)				
		 IF C_AG_OXP_181 THEN <between 0x00="" 0x40="" 0x7f="" 0xff="" and=""> for extended configuration.</between> 				

	h. obj-class (ConfigReport → ConfigObjectList (ConfigObject))		
	☐ field- type = OID-Type		
	☐ field-length = INT-U16		
	☐ field- value = At least one MDC_MOC_VMO_METRIC_NU		
Pass/Fail criteria	All checked values are as specified in the test procedure.		
Notes			

TP Id		TP/PLT/PHD/CLASS/INR/BV-000_C			
TP label		MDS objects events for INR monitor specialization.			
Coverage Spec		[ISO/IEEE 11073-10418C]			
	Testable	MDSEvents 3; M	MDSEvents 4; M	MDSEvents 5; M	
	items	MDSEvents 6; M	MDSEvents 7; M	MDSEvents 8; M	
		MDSEvents 9; M	MDSEvents 10; M	ObjAccServ 1; M	
Test purpos	е	Check that:			
		Agent-initiated mode is s reports are used in confi		transmission and all types of event	
		[AND]			
		The PHD sends the MD includes the event-info S		sing a confirmed event report and it	
		[OR]			
		The PHD sends the MD includes the event-info S		ng a confirmed event report and it	
		[OR]			
			S-Dynamic-Data-Update-MP-Fix -info ScanReportInfoMPFixed	ed using a confirmed event report	
		[OR]			
		The PHD sends the MD it includes the event-info		r using a confirmed event report and	
Applicability	1	C_AG_OXP_000 AND (C_AG_OXP_184 OR C_		XP_182 OR C_AG_OXP_183 OR	
Other PICS					
Initial condit	tion	The simulated PHG and	the PHD under test are in the O	perating state.	
Test proced	ure	Take measurements for every supported object in the PHD under test.			
		2. Wait to receive every event report and check:			
		a. APDU Type			
		☐ field- type = Event Report			
		☐ field-length = 2 bytes			
		☐ field- value=0x01 0x01 (EventReportArgumentSimple, confirmed)			
This field identifies the type of message sent by the PHD, for the configuration, roiv-cmip-confirmed-event-report.					
Pass/Fail criteria		Check that every received report is one of the following confirmed Data APDU			
		MDC_NOTI_SCAN	_REPORT_FIXED		
		MDC_NOTI_SCAN_	_REPORT_MP_FIXED		
		MDC_NOTI_SCAN	_REPORT_VAR		
		MDC_NOTI_SCAN	_REPORT_MP_VAR		
Notes					

TP ld		TP/PLT/PHD/CLASS/INR/BV	-001		
TP label		Objects for INR monitor specialization – Standard Configuration (1800 or 1801)			
Coverage Spec		[ISO/IEEE 11073-10418C]			
	Testable	INR 1; M	CtrlCal 2; M	ProthTime 7; M	
	items	QuickVal 2; M	ISI 2; M	Target 2; M	
		CurrentMed 2; M			
Test purpose	9	Check that:			
		Only the INR Numeric object monitor PHD for Standard Co	with Type MDC_RATIO_INR_Configuration 1800 (0x0708).	OAG is supported by an INR	
		[AND]			
		INR Numeric object with Type Standard Configuration 1801	MDC_RATIO_INR_COAG is si (0x0709).	upported by an INR PHD for	
		[AND]			
		The Control Calibration Nume Configuration 1801 (0x0709).	ric object is supported by an IN	R monitor PHD for Standard	
Applicability	,	C_AG_OXP_000 AND C_AG	_OXP_163 AND (NOT_C_AG_0	OXP_181)	
Other PICS					
Initial condit	ion	The simulated PHG and the F	PHD are in the Unassociated sta	te.	
Test procedu	ure	1. The simulated PHG receives an association request from the PHD under test.			
		2. The simulated PHG responds with a result = accepted-unknown-config.			
		The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.			
		4. Check that the field Dev-Config-Id is set to 0x0708 (1800) OR 0x0709 (1801), if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.			
		5. Once the PHD under test sends a standard configuration, check that:			
		IF (Dev-Config-Id = 0x0708) THEN Attribute-List:			
		 a. attribute-value (ConfigReport → ConfigObjectList (ConfigObject) → Attribute List), this value depends on the attribute Type. The values to be checked are: 			
		□ INR Object is present → MDC_PART_SCADA (0x00 0x02), MDC_RATIO_INR_COAG (0x72 0x04)			
		IF (Dev-Config-Id = 0x0709) THEN Attribute-List:			
		 a. attribute-value (ConfigReport → ConfigObjectList (ConfigObject) → Attribute List), this value depends on the attribute Type. The values to be checked are: 			
		□ INR Object is present → MDC_PART_SCADA (0x00 0x02), MDC_RATIO_INR_COAG (0x72 0x04)			
□ Control calibration Object is present → MDC_PART_SCADA (0x00 0x MDC_COAG_CONTROL (0x72 0x14)			ART_SCADA (0x00 0x02),		
Pass/Fail cri	teria	All checked values are as spe	cified in the test procedure and	no other object listed.	
Notes					

TP ld	TP Id TP/PLT/PHD/CLASS/INR/BV-002				
TP label Objects for INR monitor specialization – Extended Configuration				on	
Coverage Spec		[ISO/IEEE 11073-10418C]			
Testable		INR 1; M	DevSenAn 3; R	ProthTime 6; O	
	items	CtrlCal 1; O	ProthTime 6; O	QuickVal 1; O	
		ISI 1; O	Target 1; O	CurrentMed 1; O	

	ContextTester 2; R	BatchCode 1; M				
Test purpose	Se Check that:					
	The INR Numeric object is supported by an INR monitor PHD.					
	[AND]					
		thrombin Time, Quick Value, Internative dication Level, New Medication Level nted by the vendor.				
	[AND]					
	PHD should support Device and Sensor Status Annunciation object to transmit these occurrences.					
	[AND]					
	PHD should support Co	ntext Tester object to transmit these of	occurrences.			
	[AND]					
	PHD shall support Batch	n Code object.				
Applicability	C_AG_OXP_000 AND (C_AG_OXP_163 AND C_AG_OXP_1	81			
Other PICS		_INR_004,				
Initial condition	The simulated PHG and	the PHD are in the Unassociated sta	ate.			
Test procedure	The simulated PHG	receives an association request from	n the PHD under test.			
	2. The simulated PHG	responds with a result = accepted-up	nknown-config.			
		with a "Remote Operation Invoke C DC_NOTI_CONFIG event to send its				
		Dev-Config-Id is in the extended ranged-config" and waits for a new configu				
	5. Once the PHD under	er test sends an extended configuration	on, check that:			
	Attribute-List:					
	 a. atribute-value(ConfigReport → ConfigObjectList (ConfigObject)→Attribute List value depends on the attribute type. The values we have to check are: 					
	 □ INR numeric Object is present → MDC_PART_SCADA (0x00 0x02), MDC_RATIO_INR_COAG (0x72 0x04) □ Any of these objects may be present: 					
		AG_INR_003 THEN Control Calibrati _PART_SCADA (0x00 0x02), MDC_C				
		AG_INR_004 THEN Prothrombin time _PART_SCADA (0x00 0x02), MDC_T				
	 IF C_AG_INR_005 THEN Quick value numeric object is present → MDC_PART_SCADA (0x00 0x02), MDC_QUICK_VALUE_COAG (0x72 0x0C) 					
		AG_INR_006 THEN ISI numeric obje _PART_SCADA (0x00 0x02), MDC_I\$				
		AG_INR_007 THEN INR Target level _PART_SCADA (0x00 0x02), MDC_T				
	prese	AG_INR_008 THEN Current medicati nt → MDC_PART_SCADA (0x00 0x0 _MED_CURRENT_COAG (0x72 0x70	02),			
		AG_INR_009 THEN New medication C_PART_SCADA (0x00 0x02), MDC				
		AG_INR_010 THEN Device and sens nt → MDC_PART_ PHD_DM (0x00 0				

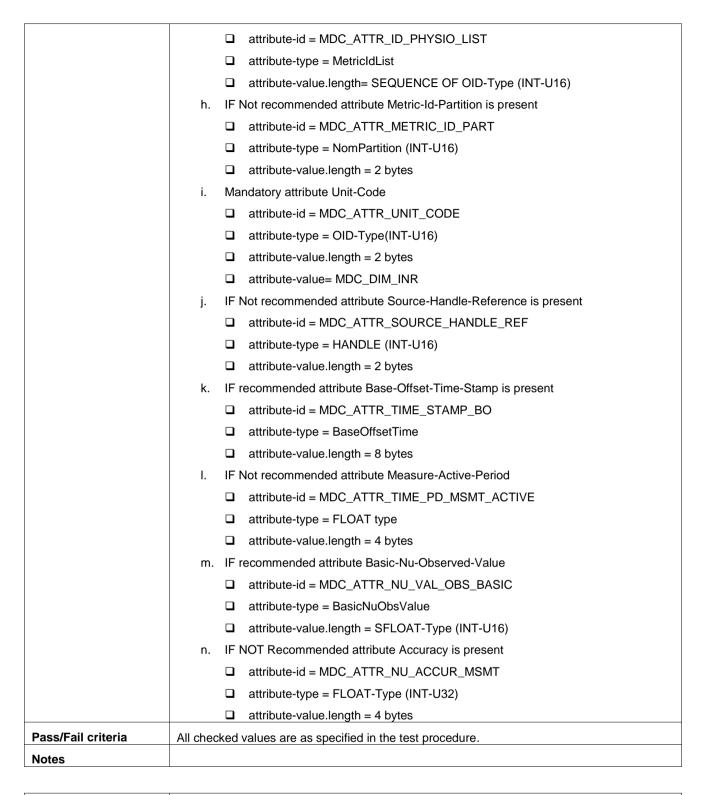
	MDC_INR_METER_DEV_STATUS (0x72 0x75) ■ IF C_AG_INR_012 THEN Context tester enumeration object is present → MDC_PART_ PHD_DM (0x00 0x80), MDC_CTXT_INR_TESTER (0x72 0x84)
	 IF C_AG_INR_013 THEN Batch code enumeration object is present → MDC_PART_ PHD_DM (0x00 0x80), MDC_BATCHCODE_COAG (0x72 0x74)
Pass/Fail criteria	All checked values are as specified in the test procedure.
Notes	

TP ld		TP/PLT/PHD/CLASS/INR/BV-003							
TP label		INR Numeric Object – Standard configuration (1800 or 1801)							
Coverage	Spec	[ISO/IEEE 11073-10418C]							
	Testable	NumObj 2; M	NumObj 4; M	NumObj 6; R					
	items	NumObj 8; M	NumObj 10; R	NumObj 12; R					
		NumObj 14; R	NumObj 16; R	NumObj 18; R					
		NumObj 20; M	NumObj 22; M	NumObj 24; R					
		NumObj 26; O	NumObj 28; O	NumObj 30; C					
		NumObj 32; R	NumObj 34; C	NumObj 36; C					
		NumObj 38; R	NumObj 40; C	NumObj 42; C					
		NumObj 44; R	NumObj 46; C	NumObj 48; C					
		NumObj 50; C	NumObj 52; R						
		INR 2; M	INR 4; M	INR 6; M					
		INR 8; M	INR 10; M	INR 12; C					
		INR 14; C	INR 18; R	INR 20; R					
		INR 22; C	INR 24; C	INR 26; R					
		INR 28; R	INR 31; M						
Test purpos	е	Check that:							
		The INR Numeric object contains the attributes specified for Standard Configuration.							
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND (NOT C_AG_OXP_181)							
Other PICS									
Initial condi	tion	The simulated PHG and the PHD under test are in the Unassociated state.							
Test proced	ure	The simulated PHG receives an association request from the PHD under test.							
		The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.							
		3. Check that the field Dev-Config-Id is set to 0x0708 (1800) or Dev-Config-Id is set to 0x0709 (1801); if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.							
		 Once the PHD under test sends a standard configuration, check that the INR object attributes are: 							
		a. Mandatory attribute Handle							
		☐ attribute-id = MDC_ATTR_ID_HANDLE							
		□ attribute-type	= HANDLE						
		☐ attribute-valu	e = 0x00 0x01						
		b. Mandatory attribu	te Type						
		☐ IF (Dev-Config-Id = 0x0708) OR (Dev-Config-Id = 0x0709):							

		WILL AND ATTO ID TATE
		 attribute-id = MDC_ATTR_ID_TYPE
		attribute-type = TYPE
		 attribute-value = MDC_PART_SCADA (0x00 0x02), MDC_RATIO_INR_COAG (0x72 0x04).
	c.	Mandatory attribute Metric-Spec-Small
		☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
		□ attribute-type = MetricSpecSmall (BITS-16)
		☐ attribute-value.length = 2 bytes
		☐ attribute-value ≠ 0x00 0x00
		 Bit 0 (mss-avail-intermittent(0)), must be set
		 Bit 1 (mss-avail-stored-data(1)), must be set
		 Bit 2 (mss-upd-aperiodic(2)), must be set
		Bit 3 (mss-msmt-aperiodic(3)), must be set
		Bit 9 (mss-acc-agent-initiated(9)), must be set
		The other bits have to be 0.
	d.	Mandatory attribute Unit-Code
		□ attribute-id = MDC_ATTR_UNIT_CODE
		□ attribute-type = OID-Type(INT-U16)
		☐ attribute-value.length = 2 bytes
		□ attribute-value= MDC_DIM_INR
	e.	Mandatory attribute Attribute-Value-Map
		□ attribute-id = MDC_ATTR_ATRIBUTE_VAL_MAP
		□ attribute-type = AttrValMap (sequence of attribute-id(OID-Type) and attribute-length(INT-U16))
		☐ attribute-value.length= <variable></variable>
		attribute-value= MDC_ATTR_NU_VAL_OBS_BASIC MDC_ATTR_TIME_STAMP_BO
	f.	No other attribute shall be present at configuration
Pass/Fail criteria	All chec	cked values are as specified in the test procedure.
Notes		

TP Id		TP/PLT/PHD/CLASS/INR/BV-004				
TP label		INR Numeric Object – Extended configuration				
Coverage Spec		[ISO/IEEE 11073-10418	BC]			
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M		
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R		
		NumObj 15; R	NumObj 17; R	NumObj 19; M		
		NumObj 23; R	NumObj 31; R	NumObj 41; C		
		NumObj 45; C	NumObj 47; C	NumObj 49; C		
		NumObj 51; R				
		INR 5; M	INR 7; M	INR 8; M		
		INR 9; M	INR 11; C	INR 15; C		
		INR 19; R	INR 25; C	INR 27; R		
Test purpose Check that:						

	The International Normalized Ratio Numeric object contains the attributes specified for Extended Configuration.			
Applicability	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181			
Other PICS	C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189			
Initial condition	The simulated PHG and the PHD under test are in the Unassociated state.			
Test procedure	1. The simulated PHG receives an association request from the PHD under test.			
	The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.			
	 Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration. 			
	 Once the PHD under test sends an extended configuration, check that the INR object attributes are: 			
	a. Mandatory attribute Type			
	☐ attribute-id = MDC_ATTR_ID_TYPE			
	☐ attribute-type = TYPE			
	attribute-value = MDC_PART_SCADA (0x00 0x02) MDC_RATIO_INR_COAG (0x72 0x04)			
	b. Not recommended Supplemental –Types Attribute			
	☐ attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES			
	□ attribute-type = SupplementalTypeList			
	☐ attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable>			
	c. Mandatory attribute Metric-Spec-Small			
	☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL			
	□ attribute-type = MetricSpecSmall (BITS-16)			
	☐ attribute-value.length = 2 bytes			
	☐ attribute-value ≠ 0x00 0x00			
	Bit 0 must be set (mss-avail-intermittent(0))			
	Bit 1 must be set (mss-avail-stored-data(1))			
	Bit 2 must be set (mss-upd-aperiodic(2))			
	Bit 3 must be set (mss-msmt-aperiodic(3))			
	Bit 9 must be set (mss-acc-agent-initiated(9))			
	d. IF Not recommended attribute Metric-Structure-Small is present			
	☐ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL			
	□ attribute-type = MetricStructureSmall			
	attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8)) + ms-comp-no =1byte(INT-U8)))</variable>			
	e. IF Not recommended attribute Measurement-Status is present			
	☐ attribute-id = MDC_ATTR_MSMT_STAT			
	□ attribute-type = MeasurementStatus (BITS-16)			
	☐ attribute-value.length =2 bytes			
	f. IF Not recommended attribute Metric-Id is present			
	☐ attribute-id = MDC_ATTR_ID_PHYSIO			
	☐ attribute-type = OID-Type (INT-U16)			
	☐ attribute-value.length= 2 bytes			
	g. IF Not recommended attribute Metric-Id-List is present			



TP Id TP/PLT/PHD/CLASS/INR/BV-005					
TP label		Control Calibration Numeric Object – Standard configuration (1801)			
Coverage	Spec	[ISO/IEEE 11073-10418C]	[ISO/IEEE 11073-10418C]		
	Testable	NumObj 2; M	NumObj 4; M	NumObj 6; R	
	items	NumObj 8; M	NumObj 10; R	NumObj 12; R	
		NumObj 14; R	NumObj 16; R	NumObj 18; R	
		NumObj 20; M	NumObj 22; M	NumObj 24; R	
		NumObj 26; O	NumObj 28; O	NumObj 30; C	
		NumObj 32; R	NumObj 34; C	NumObj 36; C	

		NumO	oj 38; R	NumObj 40; C	NumObj 42; C	
			oj 44; R	NumObj 46; C	NumObj 48; C	
			oj 50; C	NumObj 52; R	CtulCal 7: M	
		CtrlCal		CtrlCal 6; M	CtrlCal 7; M	
-		CtrlCal	•	CtrlCal 11; R	CtrlCal 13; R	
Test purpose	9	Check that:				
		The Control Calibration Numeric object contains the attributes specified for Stand Configuration (1801).				
Applicability C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_INR_002)2		
Other PICS		C_AG_	OXP_041, C_AG_OXP	_183, C_AG_OXP_189		
Initial conditi	ion	The sir	nulated PHG and the Ph	HD under test are in the Unass	ociated state.	
Test procedu	ure	1. Th	e simulated PHG receiv	es an association request fron	n the PHD under test.	
		re	sponds with a "Remote of	nds with a result = accepted-u Operation Invoke Confirmed I nt to send its configuration to t	Event Report" message with an	
				config-Id is set to 0x0709 (1801 ig" and waits for a new configu); if it is not, the PHG responds ration.	
			nce the PHD under test allibration object attribute	sends a standard configurations are:	, check that the Control	
		a.	Mandatory attribute H	andle		
			□ attribute-id = MD	C_ATTR_ID_HANDLE		
			□ attribute-type = H	IANDLE		
			☐ attribute-value =	0x00 0x02		
		b.	Mandatory attribute T	ype		
			☐ IF Dev-Config-Id	= 0x0709:		
			attribute-id =	MDC_ATTR_ID_TYPE		
		 attribute-type = TYPE 				
				ue = MDC_PART_SCADA (0x0 ITROL (0x72 0x14)	00 0x02), MDC_	
		C.	Mandatory attribute M	letric-Spec-Small		
			☐ attribute-id = MD	C_ATTR_METRIC_SPEC_SM	ALL	
			☐ attribute-type = M	MetricSpecSmall (BITS-16)		
			□ attribute-value.ler	ngth = 2 bytes		
			□ attribute-value ≠	0x00 0x00		
			Bit 0 (mss-av	vail-intermittent(0)), must be se	t	
			Bit 1 (mss-av	vail-stored-data(1)), must be se	et	
			Bit 2 (mss-up	od-aperiodic(2)), must be set		
			Bit 3 (mss-m	smt-aperiodic(3)), must be set		
			Bit 9 (mss-ad	cc-agent-initiated(9)), must be	set	
			The other bit	s have to be 0.		
		d.	Mandatory attribute U	nit-Code		
			-	C_ATTR_UNIT_CODE		
				DID-Type(INT-U16)		
			□ attribute-value.le			
			☐ attribute-value= N			
		e.	Mandatory attribute A			

Notes			
Pass/Fail criteria	All checked values are as specified in the test procedure.		
	h.	No	other attribute shall be present at configuration
			attribute-value.length = SFLOAT-Type (INT-U16)
			attribute-type = BasicNuObsValue
			attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
	g.	IF i	recommended attribute Basic-Nu-Observed-Value
			attribute-value.length = 8 bytes
			attribute-type = BaseOffsetTime
			attribute-id = MDC_ATTR_TIME_STAMP_BO
	f.	IF i	recommended attribute Base-Offset-Time-Stamp is present
			attribute-value= MDC_ATTR_NU_VAL_OBS_BASIC MDC_ATTR_TIME_STAMP_BO
			attribute-value.length= <variable></variable>
			attribute-type = AttrValMap (sequence of attribute-id(OID-Type) and attribute-length(INT-U16))
			attribute-id = MDC_ATTR_ATRIBUTE_VAL_MAP

TP ld		TP/PLT/PHD/CLASS/INF	R/BV-006				
TP label		Control Calibration Numeric Object – Extended configuration					
Coverage	Spec	[ISO/IEEE 11073-10418C]					
J	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M			
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R			
		NumObj 15; R	NumObj 17; R	NumObj 19; M			
		NumObj 23; R	NumObj 31; R	NumObj 41; C			
		NumObj 45; C	NumObj 47; C	NumObj 49; C			
		NumObj 51; R					
		CtrlCal 3; M	CtrlCal 5; M	CtrlCal 8; M			
		CtrlCal 10; R	CtrlCal 12; R				
Test purpos	е	Check that:					
		The Control Calibration Numeric object contains the attributes specified for Extended Configuration.					
Applicability	7	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_003					
Other PICS							
Initial condit	ion	The simulated PHG and	the PHD under test are in the U	Inassociated state.			
Test proced	ure	1. The simulated PHG receives an association request from the PHD under test.					
		The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.					
		3. Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.					
		4. Once the PHD under test sends an extended configuration, check that the Control Calibration object attributes are:					
		a. Mandatory attribute Type					
		□ attribute-id = MDC_ATTR_ID_TYPE					
		☐ attribute-type = TYPE					

	□ attribute-value = MDC_PART_SCADA (0x00 0x02) MDC_COAG_CONTROL (0x72 0x14)
b.	Not recommended Supplemental –Types Attribute
	□ attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES
	□ attribute-type = SupplementalTypeList
	□ attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable>
C.	Mandatory attribute Metric-Spec-Small
	☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
	□ attribute-type = MetricSpecSmall (BITS-16)
	☐ attribute-value.length = 2 bytes
	☐ attribute-value ≠ 0x00 0x00
	 Bit 0 must be set (mss-avail-intermittent(0))
	 Bit 1 must be set (mss-avail-stored-data(1))
	 Bit 2 must be set (mss-upd-aperiodic(2))
	Bit 3 must be set (mss-msmt-aperiodic(3))
	Bit 9 must be set (mss-acc-agent-initiated(9))
d.	IF Not recommended attribute Metric-Structure-Small is present
	□ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL
	□ attribute-type = MetricStructureSmall
	□ attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>
e.	IF Not recommended attribute Measurement-Status is present
	☐ attribute-id = MDC_ATTR_MSMT_STAT
	□ attribute-type = MeasurementStatus (BITS-16)
	☐ attribute-value.length =2 bytes
f.	IF Not recommended attribute Metric-Id is present
	☐ attribute-id = MDC_ATTR_ID_PHYSIO
	□ attribute-type = OID-Type (INT-U16)
	□ attribute-value.length= 2 bytes
g.	IF Not recommended attribute Metric-Id-List is present
	☐ attribute-id = MDC_ATTR_ID_PHYSIO_LIST
	□ attribute-type = MetricIdList
	□ attribute-value.length= SEQUENCE OF OID-Type (INT-U16)
h.	IF Not recommended attribute Metric-Id-Partition is present
	□ attribute-id = MDC_ATTR_METRIC_ID_PART
	□ attribute-type = NomPartition (INT-U16)
	☐ attribute-value.length = 2 bytes
i.	Mandatory attribute Unit-Code
	□ attribute-id = MDC_ATTR_UNIT_CODE
	□ attribute-type = OID-Type(INT-U16)
	☐ attribute-value.length = 2 bytes
	□ attribute-value= MDC_DIM_INR
j.	IF Not recommended attribute Source-Handle-Reference is present
	☐ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
	□ attribute-type = HANDLE (INT-U16)

	□ attribute-type = FLOAT-Type (INT-U32) □ attribute-value.length = 4 bytes
	attribute-id = MDC_ATTR_NU_ACCUR_MSMT
n.	IF NOT Recommended attribute Accuracy is present
	□ attribute-value.length = SFLOAT-Type (INT-U16)
	□ attribute-type = BasicNuObsValue
	□ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
m.	IF recommended attribute Basic-Nu-Observed-Value
	attribute-value.length = 4 bytes
	□ attribute-type = FLOAT type
	□ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
l.	IF Not recommended attribute Measure-Active-Period
	□ attribute-value.length = 8 bytes
	□ attribute-type = BaseOffsetTime
	attribute-id = MDC_ATTR_TIME_STAMP_BO
k.	IF recommended attribute Base-Offset-Time-Stamp is present
	□ attribute-value.length = 2 bytes

TP Id		TP/PLT/PHD/CLASS/INR/BV-007				
TP label		Prothrombin Time Numeric Object – Extended configuration				
Coverage	Spec	[ISO/IEEE 11073-10418C]				
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M		
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R		
		NumObj 15; R	NumObj 17; R	NumObj 19; M		
		NumObj 23; R	NumObj 31; R	NumObj 41; C		
		NumObj 45; C	NumObj 47; C	NumObj 49; C		
		NumObj 51; R				
		ProthTime 1; M	ProthTime 2; M	ProthTime 3; M		
		ProthTime 4; M	ProthTime 5; M			
Test purpose		Check that:				
		The Prothrombin Time Numeric object contains the attributes specified for Extended Configuration.				
Applicability		C_AG_OXP_000 AND C_AG_	OXP_163 AND C_AG_OXP_18	1 AND C_AG_INR_004		
Other PICS		C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189				
Initial condit	ion	The simulated PHG and the PHD under test are in the Unassociated state.				
Test procedu	ure	The simulated PHG receives an association request from the PHD under test.				
		The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.				
		3. Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.				
		Once the PHD under test sends an extended configuration, check that the Prothrombin Time object attributes are:				

a.	Ма	ndatory attribute Type
		attribute-id = MDC_ATTR_ID_TYPE
		attribute-type = TYPE
		attribute-value = MDC_PART_SCADA (0x00 0x02) MDC_TIME_PD_COAG (0x72 0x08)
b.	Not	t recommended Supplemental –Types Attribute
		attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES
		attribute-type = SupplementalTypeList
		attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable>
c.	Ма	ndatory attribute Metric-Spec-Small
		attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
		attribute-type = MetricSpecSmall (BITS-16)
		attribute-value.length = 2 bytes
		attribute-value ≠ 0x00 0x00
		Bit 0 must be set (mss-avail-intermittent(0))
		Bit 1 must be set (mss-avail-stored-data(1))
		Bit 3 must be set (mss-msmt-aperiodic(3))
		Bit 9 must be set (mss-acc-agent-initiated(9))
d.	IF N	Not recommended attribute Metric-Structure-Small is present
		attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL
		attribute-type = MetricStructureSmall
		attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>
e.	IF I	Not recommended attribute Measurement-Status is present
		attribute-id = MDC_ATTR_MSMT_STAT
		attribute-type = MeasurementStatus (BITS-16)
		attribute-value.length =2 bytes
f.	IF I	Not recommended attribute Metric-Id is present
		attribute-id = MDC_ATTR_ID_PHYSIO
		attribute-type = OID-Type (INT-U16)
		attribute-value.length= 2 bytes
g.	IF I	Not recommended attribute Metric-Id-List is present
		attribute-id = MDC_ATTR_ID_PHYSIO_LIST
		attribute-type = MetricIdList
		attribute-value.length= SEQUENCE OF OID-Type (INT-U16)
h.	IF I	Not recommended attribute Metric-Id-Partition is present
		attribute-id = MDC_ATTR_METRIC_ID_PART
		attribute-type = NomPartition (INT-U16)
		attribute-value.length = 2 bytes
i.	Ма	ndatory attribute Unit-Code
		attribute-id = MDC_ATTR_UNIT_CODE
		attribute-type = OID-Type(INT-U16)
		attribute-value.length = 2 bytes
		attribute-value= MDC_DIM_SEC
i.	IF N	Not recommended attribute Source-Handle-Reference is present

		☐ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		□ attribute-id = MDC_ATTR_TIME_STAMP_BO
		□ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		☐ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		☐ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		☐ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		☐ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		☐ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-008				
TP label		Quick Value Numeric Object – Extended configuration				
Coverage	Spec	[ISO/IEEE 11073-10418C]				
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M		
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R		
		NumObj 15; R	NumObj 17; R	NumObj 19; M		
		NumObj 23; R	NumObj 31; R	NumObj 41; C		
		NumObj 45; C	NumObj 47; C	NumObj 49; C		
		NumObj 51; R				
		QuickVal 3; M	QuickVal 4; M	QuickVal 5; M		
		QuickVal 6; R	QuickVal 7; R			
Test purpose		Check that:				
		The Quick Value Numeric object contains the attributes specified for Extended Configuration.				
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_005				
Other PICS		C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189				
Initial condit	ion	The simulated PHG and the PHD under test are in the Unassociated state.				
Test procedu	ure	The simulated PHG receives an association request from the PHD under test.				
		The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.				
		3. Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.				
		4. Once the PHD under test	sends an extended configuratio	n, check that the Quick Value		

ob	ject attributes are:
a.	Mandatory attribute Type
	□ attribute-id = MDC_ATTR_ID_TYPE
	□ attribute-type = TYPE
	□ attribute-value = MDC_PART_SCADA (0x00 0x02) MDC_ QUICK_VALUE _COAG (0x72 0x0C)
b.	Not recommended Supplemental –Types Attribute
	☐ attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES
	□ attribute-type = SupplementalTypeList
	□ attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable>
C.	Mandatory attribute Metric-Spec-Small
	☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
	□ attribute-type = MetricSpecSmall (BITS-16)
	□ attribute-value.length = 2 bytes
	□ attribute-value ≠ 0x00 0x00
	 Bit 0 must be set (mss-avail-intermittent(0))
	Bit 1 must be set (mss-avail-stored-data(1))
	 Bit 3 must be set (mss-msmt-aperiodic(3))
	Bit 9 must be set (mss-acc-agent-initiated(9))
d.	IF Not recommended attribute Metric-Structure-Small is present
	☐ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL
	□ attribute-type = MetricStructureSmall
	attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>
e.	IF Not recommended attribute Measurement-Status is present
	☐ attribute-id = MDC_ATTR_MSMT_STAT
	□ attribute-type = MeasurementStatus (BITS-16)
	□ attribute-value.length =2 bytes
f.	IF Not recommended attribute Metric-Id is present
	□ attribute-id = MDC_ATTR_ID_PHYSIO
	□ attribute-type = OID-Type (INT-U16)
	☐ attribute-value.length= 2 bytes
g.	IF Not recommended attribute Metric-Id-List is present
	□ attribute-id = MDC_ATTR_ID_PHYSIO_LIST
	□ attribute-type = MetricIdList
	□ attribute-value.length= SEQUENCE OF OID-Type (INT-U16)
h.	IF Not recommended attribute Metric-Id-Partition is present
	□ attribute-id = MDC_ATTR_METRIC_ID_PART
	□ attribute-type = NomPartition (INT-U16)
	□ attribute-value.length = 2 bytes
i.	Mandatory attribute Unit-Code
	□ attribute-id = MDC_ATTR_UNIT_CODE
	□ attribute-type = OID-Type(INT-U16)
	□ attribute-value.length = 2 bytes
	Dattribute-valueMDC_DIM_PERCENT

	j.	IF Not recommended attribute Source-Handle-Reference is present
		□ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		☐ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		☐ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		☐ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		☐ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		☐ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		☐ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-009				
TP label		ISI Numeric Object – Extended configuration				
Coverage	Spec	[ISO/IEEE 11073-10418C]				
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M		
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R		
		NumObj 15; R	NumObj 17; R	NumObj 19; M		
		NumObj 23; R	NumObj 31; R	NumObj 41; C		
		NumObj 45; C	NumObj 47; C	NumObj 49; C		
		NumObj 51; R				
		ISI 3; M	ISI 4; M	ISI 5; M		
		ISI 6; R	ISI 7; R			
Test purpose		Check that:				
		The ISI Numeric object contains the attributes specified for Extended Configuration.				
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_006				
Other PICS		C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189				
Initial condit	ion	The simulated PHG and the PHD under test are in the Unassociated state.				
Test procedu	ure	The simulated PHG receives an association request from the PHD under test.				
		The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.				
			config-Id is set in the extended ra orted-config" and waits for a new			

4.			e PHD under test sends an extended configuration, check that the ISI object as are:
	a.	Ma	ndatory attribute Type
	ω.		attribute-id = MDC_ATTR_ID_TYPE
		_	attribute-type = TYPE
		<u> </u>	attribute-value = MDC_PART_SCADA (0x00 0x02) MDC_ ISI _COAG (0x72 0x10)
	b.	No	t recommended Supplemental –Types Attribute
			attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES
			attribute-type = SupplementalTypeList
			attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable>
	c.	Ма	ndatory attribute Metric-Spec-Small
			attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
			attribute-type = MetricSpecSmall (BITS-16)
			attribute-value.length = 2 bytes
			attribute-value ≠ 0x00 0x00
			Bit 0 must be set (mss-avail-intermittent(0))
			Bit 1 must be set (mss-avail-stored-data(1))
			Bit 3 must be set (mss-msmt-aperiodic(3))
			Bit 9 must be set (mss-acc-agent-initiated(9))
	d.	IF I	Not recommended attribute Metric-Structure-Small is present
			attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL
			attribute-type = MetricStructureSmall
			attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>
	e.	IF I	Not recommended attribute Measurement-Status is present
			attribute-id = MDC_ATTR_MSMT_STAT
			attribute-type = MeasurementStatus (BITS-16)
			attribute-value.length =2 bytes
	f.	IF I	Not recommended attribute Metric-Id is present
			attribute-id = MDC_ATTR_ID_PHYSIO
			attribute-type = OID-Type (INT-U16)
			attribute-value.length= 2 bytes
	g.	IF I	Not recommended attribute Metric-Id-List is present
			attribute-id = MDC_ATTR_ID_PHYSIO_LIST
			attribute-type = MetricIdList
			attribute-value.length= SEQUENCE OF OID-Type (INT-U16)
	h.	IF I	Not recommended attribute Metric-Id-Partition is present
			attribute-id = MDC_ATTR_METRIC_ID_PART
			attribute-type = NomPartition (INT-U16)
		<u> </u>	attribute-value.length = 2 bytes
	i.	_	ndatory attribute Unit-Code
			attribute-id = MDC_ATTR_UNIT_CODE
			attribute-type = OID-Type(INT-U16)
1			attribute-value.length = 2 bytes

		☐ attribute-value= MDC_DIM_DIMLESS
	j.	IF Not recommended attribute Source-Handle-Reference is present
		☐ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		☐ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		☐ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		☐ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		☐ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		☐ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		□ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP Id		TP/PLT/PHD/CLASS/INR/BV-010				
TP label		Target Level for INR Numeric Object – Extended configuration				
Coverage	Spec	[ISO/IEEE 11073-10418C]				
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M		
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R		
		NumObj 15; R	NumObj 17; R	NumObj 19; M		
		NumObj 23; R	NumObj 31; R	NumObj 41; C		
		NumObj 45; C	NumObj 47; C	NumObj 49; C		
		NumObj 51; R				
		Target 3; M	Target 4; M	Target 5; M		
		Target 6; M	Target 7; R	Target 8; R		
Test purpose		Check that:				
		The Target Level for INR Numeric object contains the attributes specified for Extended Configuration.				
Applicability	i	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_007				
Other PICS		C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189				
Initial condition		The simulated PHG and the PHD under test are in the Unassociated state.				
Test procedure		The simulated PHG receives an association request from the PHD under test.				
		responds with a "Remote	onds with a result = accepted-un Operation Invoke Confirmed E ent to send its configuration to th	vent Report" message with an		

 4. Once the PHD under test sends an extended configuration, check that the Target Level for INR object attributes are: a. Mandatory attribute Type attribute-id = MDC_ATTR_ID_TYPE attribute-type = TYPE attribute-value = MDC_PART_PHD_DM (0x00 0x80) MDC_TARGET_LEVEL_COAG (0x72 0x78) b. Not recommended Supplemental –Types Attribute attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> c. Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) attribute-value.length = 2 bytes 	
 attribute-id = MDC_ATTR_ID_TYPE attribute-type = TYPE attribute-value = MDC_PART_PHD_DM (0x00 0x80) MDC_TARGET_LEVEL_COAG (0x72 0x78) b. Not recommended Supplemental –Types Attribute attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> c. Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) 	
 attribute-type = TYPE attribute-value = MDC_PART_PHD_DM (0x00 0x80) MDC_TARGET_LEVEL_COAG (0x72 0x78) b. Not recommended Supplemental −Types Attribute attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> c. Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) 	
 attribute-value = MDC_PART_PHD_DM (0x00 0x80) MDC_ TARGET_LEVEL _COAG (0x72 0x78) b. Not recommended Supplemental –Types Attribute attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> c. Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) 	
COAG (0x72 0x78) b. Not recommended Supplemental –Types Attribute □ attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES □ attribute-type = SupplementalTypeList □ attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 bytes) c. Mandatory attribute Metric-Spec-Small □ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL □ attribute-type = MetricSpecSmall (BITS-16)</variable>	
 attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) 	L
 attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16) 	
 □ attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes</variable> c. Mandatory attribute Metric-Spec-Small □ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL □ attribute-type = MetricSpecSmall (BITS-16) 	
c. Mandatory attribute Metric-Spec-Small attribute-id = MDC_ATTR_METRIC_SPEC_SMALL attribute-type = MetricSpecSmall (BITS-16)	
attribute-id = MDC_ATTR_METRIC_SPEC_SMALLattribute-type = MetricSpecSmall (BITS-16)	
□ attribute-type = MetricSpecSmall (BITS-16)	
□ attribute-value.length = 2 bytes	
attribute-value ≠ 0x00 0x00	
Bit 0 must be set (mss-avail-intermittent(0))	
Bit 1 must be set (mss-avail-stored-data(1))	
Bit 9 must be set (mss-acc-agent-initiated(9))	
Bit 12 may be set (mss-cat-manual(12)) if this value is entered manually	
Bit 13 must be set (mss-cat-setting(13))	
d. IF Not recommended attribute Metric-Structure-Small is present	
■ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL	
□ attribute-type = MetricStructureSmall	
attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>	
e. IF Not recommended attribute Measurement-Status is present	
☐ attribute-id = MDC_ATTR_MSMT_STAT	
□ attribute-type = MeasurementStatus (BITS-16)	
☐ attribute-value.length =2 bytes	
f. IF Not recommended attribute Metric-Id is present	
☐ attribute-id = MDC_ATTR_ID_PHYSIO	
□ attribute-type = OID-Type (INT-U16)	
□ attribute-value.length= 2 bytes	
g. IF Not recommended attribute Metric-Id-List is present	
□ attribute-id = MDC_ATTR_ID_PHYSIO_LIST	
□ attribute-type = MetricIdList	
□ attribute-value.length= SEQUENCE OF OID-Type (INT-U16)	
h. IF Not recommended attribute Metric-Id-Partition is present	
☐ attribute-id = MDC_ATTR_METRIC_ID_PART	
□ attribute-type = NomPartition (INT-U16)	
□ attribute-value.length = 2 bytes	
i. Mandatory attribute Unit-Code	

		□ attribute-id = MDC_ATTR_UNIT_CODE
		□ attribute-type = OID-Type(INT-U16)
		☐ attribute-value.length = 2 bytes
		□ attribute-value= MDC_DIM_INR
	j.	IF Not recommended attribute Source-Handle-Reference is present
		□ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		□ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		☐ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		☐ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		☐ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		☐ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		☐ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-011		
TP label		Current Level of Medication Numeric Object – Extended configuration		
Coverage	Spec	[ISO/IEEE 11073-10418C]		
	Testable items	NumObj 3; M	NumObj 5; R	NumObj 7; M
		NumObj 9; R	NumObj 11; R	NumObj 13; R
		NumObj 15; R	NumObj 17; R	NumObj 19; M
		NumObj 23; R	NumObj 31; R	NumObj 41; C
		NumObj 45; C	NumObj 47; C	NumObj 49; C
		NumObj 51; R		
		CurrentMed 3; M	CurrentMed 4; M	CurrentMed 5; M
		CurrentMed 6; M	CurrentMed 7; R	CurrentMed 8; R
Test purpose		Check that:		
		The Current Level of Medication Numeric object contains the attributes specified for Extended Configuration.		
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_008		
Other PICS		C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189		
Initial condition		The simulated PHG and the PHD under test are in the Unassociated state.		

Test procedure 1. The simulated PHG receives an association request from the PHD under test. The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke | Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG. Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG 3. responds with an "unsupported-config" and waits for a new configuration. Once the PHD under test sends an extended configuration, check that the Current Level of Medication object attributes are: Mandatory attribute Type attribute-id = MDC_ATTR_ID_TYPE attribute-type = TYPE attribute-value = MDC_PART_PHD_DM (0x00 0x80) | MDC_ MED_CURRENT_COAG (0x72 0x7C) Not recommended Supplemental -Types Attribute attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES attribute-type = SupplementalTypeList attribute-value.length =<variable> (Sequence of TYPE (TYPE.length= 4 bytes Mandatory attribute Metric-Spec-Small ☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL □ attribute-type = MetricSpecSmall (BITS-16) attribute-value.length = 2 bytes attribute-value ≠ 0x00 0x00 Bit 0 must be set (mss-avail-intermittent(0)) Bit 1 must be set (mss-avail-stored-data(1)) Bit 9 must be set (mss-acc-agent-initiated(9)) Bit 12 may be set (mss-cat-manual(12)) if this value is entered manually Bit 13 must be set (mss-cat-setting(13)) IF Not recommended attribute Metric-Structure-Small is present attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL attribute-type = MetricStructureSmall attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8))) IF Not recommended attribute Measurement-Status is present ☐ attribute-id = MDC ATTR MSMT STAT attribute-type = MeasurementStatus (BITS-16) ■ attribute-value.length =2 bytes IF Not recommended attribute Metric-Id is present ☐ attribute-id = MDC_ATTR_ID_PHYSIO attribute-type = OID-Type (INT-U16) attribute-value.length= 2 bytes IF Not recommended attribute Metric-Id-List is present attribute-id = MDC_ATTR_ID_PHYSIO_LIST attribute-type = MetricIdList attribute-value.length= SEQUENCE OF OID-Type (INT-U16) IF Not recommended attribute Metric-Id-Partition is present attribute-id = MDC_ATTR_METRIC_ID_PART

		□ attribute-type = NomPartition (INT-U16)
		☐ attribute-value.length = 2 bytes
	i.	Mandatory attribute Unit-Code
		☐ attribute-id = MDC_ATTR_UNIT_CODE
		□ attribute-type = OID-Type(INT-U16)
		☐ attribute-value.length = 2 bytes
		□ attribute-value= MDC_DIM_MILLI_G
	j.	IF Not recommended attribute Source-Handle-Reference is present
		□ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		□ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		☐ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		☐ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		□ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		☐ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		☐ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-012			
TP label		Recommended New Level of Medication Numeric Object – Extended configuration			
Coverage	Spec	[ISO/IEEE 11073-10418	<u>C]</u>		
	Testable	NumObj 3; M	NumObj 5; R	NumObj 7; M	
	items	NumObj 9; R	NumObj 11; R	NumObj 13; R	
		NumObj 15; R	NumObj 17; R	NumObj 19; M	
		NumObj 23; R	NumObj 31; R	NumObj 41; C	
		NumObj 45; C	NumObj 47; C	NumObj 49; C	
		NumObj 51; R			
		RecomMed 3; M	RecomMed 4; M	RecomMed 5; M	
		RecomMed 6; R	RecomMed 7; R		
Test purpose		Check that:			
The Recommended New Level of Medication Numeric object contains the attributes for Extended Configuration.			bject contains the attributes specified		

Applicability	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_009			
Other PICS	C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189			
Initial condition	The simulated PHG and the PHD under test are in the Unassociated state.			
Test procedure	The simulated PHG receives an association request from the PHD under test.			
·	 The simulated PHG responds with a result = accepted-unknown-config. The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with MDC_NOTI_CONFIG event to send its configuration to the PHG. 	n an		
	3. Check that the field Dev-Config-Id is set in the extended range; if it is not, the PHG responds with an "unsupported-config" and waits for a new configuration.			
	4. Once the PHD under test sends an extended configuration, check that the recomme New Level of Medication object attributes are:	ended		
	a. Mandatory attribute Type			
	□ attribute-id = MDC_ATTR_ID_TYPE			
	☐ attribute-type = TYPE			
	□ attribute-value = MDC_PART_PHD_DM (0x00 0x80) MDC_ MED_NEW_COAG (0x72 0x80)			
	b. Not recommended Supplemental –Types Attribute			
	□ attribute-id = MDC_ATTR_SPPLEMENTAL_TYPES			
	□ attribute-type = SupplementalTypeList			
	☐ attribute-value.length = <variable> (Sequence of TYPE (TYPE.length= 4 by</variable>	tes		
	c. Mandatory attribute Metric-Spec-Small			
	■ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL			
	□ attribute-type = MetricSpecSmall (BITS-16)			
	☐ attribute-value.length = 2 bytes			
	☐ attribute-value ≠ 0x00 0x00			
	 Bit 0 must be set (mss-avail-intermittent(0)) 			
	 Bit 1 must be set (mss-avail-stored-data(1)) 			
	 Bit 9 must be set (mss-acc-agent-initiated(9)) 			
	 Bit 14 must be set (mss-cat-calculation(14)) 			
	d. IF Not recommended attribute Metric-Structure-Small is present			
	☐ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL			
	□ attribute-type = MetricStructureSmall			
	attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(II U8) + ms-comp-no =1byte(INT-U8)))</variable>	NT-		
	e. IF Not recommended attribute Measurement-Status is present			
	☐ attribute-id = MDC_ATTR_MSMT_STAT			
	□ attribute-type = MeasurementStatus (BITS-16)			
	☐ attribute-value.length =2 bytes			
	f. IF Not recommended attribute Metric-Id is present			
	☐ attribute-id = MDC_ATTR_ID_PHYSIO			
	□ attribute-type = OID-Type (INT-U16)			
	☐ attribute-value.length= 2 bytes			
	g. IF Not recommended attribute Metric-Id-List is present			
	☐ attribute-id = MDC_ATTR_ID_PHYSIO_LIST			
	☐ attribute-type = MetricIdList			
	□ attribute-value.length= SEQUENCE OF OID-Type (INT-U16)			

Т		
	h.	IF Not recommended attribute Metric-Id-Partition is present
		□ attribute-id = MDC_ATTR_METRIC_ID_PART
		□ attribute-type = NomPartition (INT-U16)
		☐ attribute-value.length = 2 bytes
	i.	Mandatory attribute Unit-Code
		□ attribute-id = MDC_ATTR_UNIT_CODE
		□ attribute-type = OID-Type(INT-U16)
		☐ attribute-value.length = 2 bytes
		□ attribute-value= MDC_DIM_MILLI_G
	j.	IF Not recommended attribute Source-Handle-Reference is present
		□ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		□ attribute-type = BaseOffsetTime
		□ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		□ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		□ attribute-type = FLOAT type
		□ attribute-value.length = 4 bytes
	m.	IF recommended attribute Basic-Nu-Observed-Value
		□ attribute-id = MDC_ATTR_NU_VAL_OBS_BASIC
		□ attribute-type = BasicNuObsValue
		□ attribute-value.length = SFLOAT-Type (INT-U16)
	n.	IF NOT Recommended attribute Accuracy is present
		□ attribute-id = MDC_ATTR_NU_ACCUR_MSMT
		□ attribute-type = FLOAT-Type (INT-U32)
		□ attribute-value.length = 4 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld	TP Id TP/PLT/PHD/CLASS/INR/BV-013				
TP label		Device and Sensor annunciation	Device and Sensor annunciation status Enumeration Object – Extended configuration		
Coverage	Spec	[ISO/IEEE 11073-10418C]			
	Testable	EnumObj 2; M	EnumObj 3; R	EnumObj 4; M	
	items	EnumObj 5; R	EnumObj 19; O		
		DevSenAn 1; M	DevSenAn 5; M	DevSenAn 6; M	
		DevSenAn 8; R	DevSenAn 9; R	DevSenAn 11; O	
Test purpose	е	Check that:			
	Device and Sensor annunciation status Enumeration Object contains the attributes specified for Extended Configuration.				
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_010			
Other PICS	Other PICS				

Initial condition	The simulated PHG and the PHD under test are in the Unassociated state.
Test procedure	The simulated PHG receives an association request from the PHD under test.
	The simulated PHG responds with a result = accepted-unknown-config.
	The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.
	4. Check that the field Dev-Config-Id is in the extended range, if it is not, the simulated PH must respond with an "unsupported-config" and waits for a new configuration.
	5. Once the PHD under test sends an extended configuration, check that all Device and Sensor annunciation status objects have:
	a. Mandatory attribute Type
	☐ attribute-id = MDC_ATTR_ID_TYPE
	☐ attribute-type = TYPE
	□ attribute-value = MDC_PART_PHD_DM (0x00 0x80), MDC_INR_METER_DEV_STATUS (0x72 0x75)
	b. IF Not recommended attribute Supplemental-Types is present
	☐ attribute-id = MDC_ATTR_SUPPLEMENTAL_TYPES
	☐ attribute-type = SupplementalTypeList
	☐ attribute-value.length = <variable>(Sequence of TYPE (TYPE.length= 4 bytes))</variable>
	c. Mandatory attribute Metric-Spec_Small
	☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL
	□ attribute-type = MetricSpecSmall (BITS-16)
	☐ attribute-value.length =2 bytes
	☐ attribute-value ≠ 0x00 0x00
	Bit 0 must be set (mss-avail-intermittent(0))
	Bit 1 must be set (mss-avail-stored-data(1))
	Bit 2 must be set (mss-upd-aperiodic(2))
	Bit 3 must be set (mss-msmt-aperiodic(3))
	Bit 9 must be set (mss-acc-agent-initiated(9))
	d. IF Not recommended attribute Metric-Structure-Small is present
	☐ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL
	□ attribute-type = MetricStructureSmall
	□ attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>
	e. IF Not recommended attribute Measurement-Status
	☐ attribute-id = MDC_ATTR_MSMT_STAT
	☐ attribute-type = MeasurementStatus(BITS-16)
	☐ attribute-value.length =2 bytes
	f. IF Not recommended attribute Metric-Id is present
	☐ attribute-id = MDC_ATTR_ID_PHYSIO
	☐ attribute-type = OID-Type (INT-U16)
	☐ attribute-value.length = 2 bytes
	attribute-value = Only one attribute of Metric-Id and Metric-Id-List shall be present.
	g. IF Not recommended attribute Metric-Id is present-List
	☐ attribute-id = MDC_ATTR_ID_PHYSIO_LIS
	☐ attribute-type = MetricIdList

attribute-value.length= <variable>(SEQUENCE OF OID-Type (INT-U16)) h. IF Not recommended attribute Metric-Id-Partition is present attribute-type = NomPartition (INT-U16) attribute-type = NomPartition (INT-U16) attribute-type = NomPartition (INT-U16) attribute-value.length = 2 bytes i. IF Not recommended attribute Unit-Code is present attribute-type = OID-Type (INT-U16) attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-type = HANDLE (INT-U16) attribute-type = HANDLE (INT-U16) attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-value ength = 2 bytes attribute-value ength = 2 bytes attribute-value ength = 2 bytes attribute-value in-r-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.</variable>			
attribute-id = MDC_ATTR_METRIC_ID_PART attribute-type = NomPartition (INT-U16) attribute-value.length = 2 bytes i. IF Not recommended attribute Unit-Code is present attribute-id = MDC_ATTR_UNIT_CODE attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-value.length = 2 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due			□ attribute-value.length= <variable>(SEQUENCE OF OID-Type (INT-U16))</variable>
attribute-type = NomPartition (INT-U16) attribute-value.length = 2 bytes i. IF Not recommended attribute Unit-Code is present attribute-id = MDC_ATTR_UNIT_CODE attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-type = BaseOffsetTime attribute-type = BaseOffsetTime attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value.length = 2 in-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-temp-too-high inr-sensor-temp-too-high inr-sensor-result-too-low inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due		h.	IF Not recommended attribute Metric-Id-Partition is present
in tribute-value.length = 2 bytes i. IF Not recommended attribute Unit-Code is present in attribute-id = MDC_ATTR_UNIT_CODE in attribute-type = OID-Type (INT-U16) in attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present in attribute-id = MDC_ATTR_SOURCE_HANDLE_REF in attribute-type = HANDLE (INT-U16) in attribute-value.length = 2 bytes in the intervalue.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present in attribute-id = MDC_ATTR_TIME_STAMP_BO in attribute-type = BaseOffsetTime in attribute-value.length = 8 bytes in the intervalue.length = 8 bytes in the intervalue in the intervalue.length = 8 bytes in the intervalue in the intervalue.length = 4 bytes in the intervalue intervalue.length = 4 bytes in the intervalue intervalue.length = 4 bytes in the intervalue intervalue.length = 4 bytes in attribute-value.length = 2 bytes in attribute-value in-relevice-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-temp-too-high inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-id = MDC_ATTR_METRIC_ID_PART
i. IF Not recommended attribute Unit-Code is present attribute-id = MDC_ATTR_UNIT_CODE attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-value.length = 4 bytes m. IF Mandatory attribute Funum-Observed-Value-Basic-Bit-Str is present attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-stemp-too-ling inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-type = NomPartition (INT-U16)
attribute-id = MDC_ATTR_UNIT_CODE attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 2 bytes
attribute-type = OID-Type (INT-U16) attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.		i.	IF Not recommended attribute Unit-Code is present
i attribute-value.length = 2 bytes j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insention inr-sensor-sample-size-insufficient inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor			□ attribute-id = MDC_ATTR_UNIT_CODE
j. IF Not recommended attribute Source-Handle-Reference is present attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insention inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor-temp-too-low inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor-tem			□ attribute-type = OID-Type (INT-U16)
attribute-id = MDC_ATTR_SOURCE_HANDLE_REF attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 2 bytes
attribute-type = HANDLE (INT-U16) attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-value.length = 2 bytes attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-too-high inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.		j.	IF Not recommended attribute Source-Handle-Reference is present
attribute-value.length = 2 bytes k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes l. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-temp-too-high inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
k. IF recommended attribute Base-Offset-Time-Stamp is present attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-temp-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-type = HANDLE (INT-U16)
attribute-id = MDC_ATTR_TIME_STAMP_BO attribute-type = BaseOffsetTime attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 2 bytes
□ attribute-type = BaseOffsetTime □ attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period □ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE □ attribute-type = FLOAT type □ attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present □ attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR □ attribute-type = BITS-16 □ attribute-value.length = 2 bytes □ attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-trip-insertion inr-sensor-temp-too-logh inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.		k.	IF recommended attribute Base-Offset-Time-Stamp is present
attribute-value.length = 8 bytes I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-id = MDC_ATTR_TIME_STAMP_BO
I. IF Not recommended attribute Measure-Active-Period attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-type = BaseOffsetTime
attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE attribute-type = FLOAT type attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 8 bytes
□ attribute-type = FLOAT type □ attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present □ attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR □ attribute-type = BITS-16 □ attribute-value.length = 2 bytes □ attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.		l.	IF Not recommended attribute Measure-Active-Period
attribute-value.length = 4 bytes m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
m. IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-type = FLOAT type
attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR attribute-type = BITS-16 attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 4 bytes
□ attribute-type = BITS-16 □ attribute-value.length = 2 bytes □ attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.		m.	IF Mandatory attribute Enum-Observed-Value-Basic-Bit-Str is present
attribute-value.length = 2 bytes attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-id= MDC_ATTR_ENUM_OBS_VAL_BASIC_BIT_STR
attribute-value = inr-device-battery-low inr-sensor-malfunction inr-sensor-sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-type = BITS-16
sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type-incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor-temp-too-high inr-sensor-read-interrupt inr-device-gen-fault inr-sensor-calibration due Pass/Fail criteria All checked values are as specified in the test procedure.			□ attribute-value.length = 2 bytes
			sample-size-insufficient inr-sensor-strip-insertion inr-sensor-strip-type- incorrect inr-sensor-result-too-high inr-sensor-result-too-low inr-sensor- temp-too-high inr-sensor-temp-too-low inr-sensor-read-interrupt inr-device-
Nacca	Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
NOTES	Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-014			
TP label		Context Tester Enumeration Object – Extended configuration			
Coverage	Spec	[ISO/IEEE 11073-10418C]		
	Testable	EnumObj 2; M	EnumObj 3; R	EnumObj 4; M	
	items	EnumObj 5; R	EnumObj 6; R	EnumObj 7; R	
		EnumObj 8; R	EnumObj 9; R	EnumObj 10; R	
		EnumObj 12; R	EnumObj 16; C	EnumObj 17; C	
		EnumObj 20; C	EnumObj 21; C	EnumObj 22; C	
		EnumObj 23; C	EnumObj 24; C	ContextTester 3; M	
		ContextTester 4; M	ContextTester 5; R	ContextTester 6; M	
Test purpose		Check that:			
		Context Tester Enumeration	on Object contains the attributes	s specified for Extended	

	Configuration.			
Applicability	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_012			
Other PICS	C_AG_OXP_041, C_AG_OXP_183, C_AG_OXP_189			
Initial condition	The simulated PHG and the PHD under test are in the Unassociated state.			
Test procedure	The simulated PHG receives an association request from the PHD under test.			
	2. The simulated PHG responds with a result = accepted-unknown-config.			
	The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG.			
	Check that the field Dev-Config-Id is in the extended range, if it is not, the simulated PHG must respond with an "unsupported-config" and waits for a new configuration.			
	5. Once the PHD under test sends an extended configuration, check that all Context Tester objects have:			
	a. Mandatory attribute Type			
	☐ attribute-id = MDC_ATTR_ID_TYPE			
	□ attribute-type = TYPE			
	□ attribute-value = MDC_PART_PHD_DM (0x00 0x80), MDC_CTXT_INR_TESTER (0x72 0x84)			
	b. IF Not recommended attribute Supplemental-Types is present			
	☐ attribute-id = MDC_ATTR_SUPPLEMENTAL_TYPES			
	☐ attribute-type = SupplementalTypeList			
	☐ attribute-value.length = <variable>(Sequence of TYPE (TYPE.length= 4 bytes))</variable>			
	c. Mandatory attribute Metric-Spec_Small			
	☐ attribute-id = MDC_ATTR_METRIC_SPEC_SMALL			
	□ attribute-type = MetricSpecSmall (BITS-16)			
	☐ attribute-value.length =2 bytes			
	☐ attribute-value ≠ 0x00 0x00			
	Bit 0 must be set (mss-avail-intermittent(0))			
	Bit 1 must be set (mss-avail-stored-data(1))			
	Bit 2 must be set (mss-upd-aperiodic(2))			
	Bit 3 must be set (mss-msmt-aperiodic(3))			
	Bit 9 must be set (mss-acc-agent-initiated(9))			
	d. IF Not recommended attribute Metric-Structure-Small is present			
	☐ attribute-id = MDC_ATTR_METRIC_STRUCTURE_SMALL			
	☐ attribute-type = MetricStructureSmall			
	attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(INT-U8) + ms-comp-no =1byte(INT-U8)))</variable>			
	e. IF Not recommended attribute Measurement-Status			
	☐ attribute-id = MDC_ATTR_MSMT_STAT			
	☐ attribute-type = MeasurementStatus(BITS-16)			
	☐ attribute-value.length =2 bytes			
	f. IF Not recommended attribute Metric-Id is present			
	☐ attribute-id = MDC_ATTR_ID_PHYSIO			
	□ attribute-type = OID-Type (INT-U16)			
	☐ attribute-value.length = 2 bytes			
	attribute-value = Only one attribute of Metric-Id and Metric-Id-List shall be present.			

Notes		
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
		MDC_CTXT_INR_TESTER_LAB (0x72 0x87)
		 MDC_CTXT_INR_TESTER_HCP (0x72 0x86) OR
		MDC_CTXT_INR_TESTER_SELF (0x72 0x85) OR
		☐ attribute.value= One of the following nomenclature value will be used:
		☐ attribute-value.length = 2 bytes
		□ attribute-type = OID-Type(INT-U16)
		☐ attribute-id= MDC_ATTR_ENUM_OBS_VAL_SIMP_OID
	m.	Mandatory attribute Enum-Observed-Value-Simple_OID is present
		□ attribute-value.length = 4 bytes
		□ attribute-type = FLOAT type
		□ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
	I.	IF Not recommended attribute Measure-Active-Period
		attribute-value.length = 8 bytes
		□ attribute-type = BaseOffsetTime
	K.	□ attribute-id = MDC_ATTR_TIME_STAMP_BO
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		attribute-value.length = 2 bytes
		attribute-type = HANDLE (INT-U16)
	J.	attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
	j.	IF Not recommended attribute Source-Handle-Reference is present
		□ attribute-type = OID-Type (INT-U16)□ attribute-value.length = 2 bytes
		attribute-id = MDC_ATTR_UNIT_CODE
	i.	IF Not recommended attribute Unit-Code is present
		attribute-value.length = 2 bytes
		attribute-type = NomPartition (INT-U16)
		attribute-id = MDC_ATTR_METRIC_ID_PART
	h.	IF Not recommended attribute Metric-Id-Partition is present
		□ attribute-value.length= <variable>(SEQUENCE OF OID-Type (INT-U16))</variable>
		□ attribute-type = MetricIdList
		□ attribute-id = MDC_ATTR_ID_PHYSIO_LIS
	g.	IF Not recommended attribute Metric-Id is present-List

TP ld		TP/PLT/PHD/CLASS/INR/BV-015			
TP label		Batch Code Enumeration Obje	Batch Code Enumeration Object – Extended configuration		
Coverage	Spec	[ISO/IEEE 11073-10418C]			
	Testable	EnumObj 2; M	EnumObj 3; R	EnumObj 4; M	
	items	EnumObj 5; R	EnumObj 6; R	EnumObj 7; R	
		EnumObj 8; R	EnumObj 9; R	EnumObj 10; R	
		EnumObj 12; R	EnumObj 16; C	EnumObj 17; C	
		EnumObj 20; C	EnumObj 21; C	EnumObj 22; C	

		Enum	nObj 23	3: C	EnumObj 24; C	BatchCode 2; M		
			nCode :		BatchCode 4; M	BatchCode 5; R		
			nCode (, , , ,			
Test purpose	e		k that:	-,				
				Object contains the	e attributes specified for Extende	ed Configuration.		
Applicability	1		C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_181 AND C_AG_INR_013					
Other PICS					_183, C_AG_OXP_189			
Initial condit	tion	The s	simulate	ed PHG and the Ph	HD under test are in the Unasso	ciated state.		
Test procedu	ure	1. T	1. The simulated PHG receives an association request from the PHD under test.					
		2. The simulated PHG responds with a result = accepted-unknown-config.						
					"Remote Operation Invoke Cor DTI_CONFIG event to send its c			
					config-Id is in the extended range supported-config" and waits for a			
			Once th		sends an extended configuration	, check that all Batch Code		
		a	a. Ma	ndatory attribute T	уре			
				attribute-id = MD0	C_ATTR_ID_TYPE			
				attribute-type = T	YPE			
					llue = MDC_PART_PHD_DM (0x00 0x80), CHCODE_COAG (0x72 0x74)			
		b	o. IF I	Not recommended	attribute Supplemental-Types is	present		
				attribute-id = MD0	C_ATTR_SUPPLEMENTAL_TY	PES		
				attribute-type = S	upplementalTypeList			
				attribute-value.le	ngth = <variable>(Sequence of T</variable>	YPE (TYPE.length= 4 bytes))		
		C	c. Ma	ndatory attribute M	letric-Spec_Small			
				attribute-id = MD0	C_ATTR_METRIC_SPEC_SMA	LL		
					letricSpecSmall (BITS-16)			
				attribute-value.lei	ngth =2 bytes			
				attribute-value ≠ (0x00 0x00			
				Bit 0 must be	e set (mss-avail-intermittent(0))			
				Bit 1 must be	e set (mss-avail-stored-data(1))			
				Bit 2 must be	e set (mss-upd-aperiodic(2))			
				Bit 3 must be	e set (mss-msmt-aperiodic(3))			
				Bit 9 must be	e set (mss-acc-agent-initiated(9))			
		C	d. IF I		attribute Metric-Structure-Small	•		
					C_ATTR_METRIC_STRUCTUR	E_SMALL		
					letricStructureSmall			
		□ attribute-value.length = <variable>(Sequence of (ms-struct.length =1byte(U8) + ms-comp-no =1byte(INT-U8)))</variable>				ms-struct.length =1byte(INT-		
		e. IF Not recommended attribute Measurement-Status						
					C_ATTR_MSMT_STAT			
					leasurementStatus(BITS-16)			
				attribute-value.lei				
		f	. IF		attribute Metric-Id is present			
				attribute-id = MD0	C_ATTR_ID_PHYSIO			

		□ attribute-type = OID-Type (INT-U16)
		☐ attribute-value.length = 2 bytes
		☐ attribute-value = Only one attribute of Metric-Id and Metric-Id-List shall be present.
	g.	IF Not recommended attribute Metric-Id is present-List
		☐ attribute-id = MDC_ATTR_ID_PHYSIO_LIS
		☐ attribute-type = MetricIdList
		☐ attribute-value.length= <variable>(SEQUENCE OF OID-Type (INT-U16))</variable>
	h.	IF Not recommended attribute Metric-Id-Partition is present
		☐ attribute-id = MDC_ATTR_METRIC_ID_PART
		□ attribute-type = NomPartition (INT-U16)
		☐ attribute-value.length = 2 bytes
	i.	IF Not recommended attribute Unit-Code is present
		☐ attribute-id = MDC_ATTR_UNIT_CODE
		□ attribute-type = OID-Type (INT-U16)
		☐ attribute-value.length = 2 bytes
	j.	IF Not recommended attribute Source-Handle-Reference is present
		☐ attribute-id = MDC_ATTR_SOURCE_HANDLE_REF
		□ attribute-type = HANDLE (INT-U16)
		☐ attribute-value.length = 2 bytes
	k.	IF recommended attribute Base-Offset-Time-Stamp is present
		☐ attribute-id = MDC_ATTR_TIME_STAMP_BO
		□ attribute-type = BaseOffsetTime
		☐ attribute-value.length = 8 bytes
	I.	IF Not recommended attribute Measure-Active-Period
		☐ attribute-id = MDC_ATTR_TIME_PD_MSMT_ACTIVE
		□ attribute-type = FLOAT type
		☐ attribute-value.length = 4 bytes
	m.	Mandatory attribute Enum-Observed-Value-Simple-Str is present
		☐ attribute-id= MDC_ATTR_ENUM_OBS_VAL_SIMP_STR
		□ attribute-type = BITS-16
		□ attribute-value.length = 2 bytes
Pass/Fail criteria	All chec	ked values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-016				
TP label		PM-Store Attributes for Extended Configuration				
Coverage	Spec	[ISO/IEEE 11073-104180	1073-10418C]			
	Testable	PMStrObjAtt 1; M	PMStrObjAtt 5; M	PMStrObjAtt 6; M		
	items	PMStrObjAtt 8; M	PMStrObjAtt 9; R	PMStrObjAtt 12; M		
Test purpose		Check that:				
		PM-Store Object contains the attributes specified for Extended Configuration.				
Applicability	у	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_041 AND C_AG_OXP_181				

Other PICS			
Initial condition	The simulated PHG and the PHD under test are in the Unassociated state.		
Test procedure	The simulated PHG receives an association request from the PHD under test.		
	2. The simulated PHG responds with a result = accepted-unknown-config.		
	 The PHD responds with a "Remote Operation Invoke Confirmed Event Report" message with an MDC_NOTI_CONFIG event to send its configuration to the PHG. 		
	4. The handle for the PM-Store attribute must be:		
	a. Mandatory attribute Handle		
	☐ attribute-type = HANDLE		
	□ attribute-value.length = 2 bytes		
	attribute-value = must be unique and non-zero. Actual value may be specified by the Device Specialization.		
	5. The simulated PHG shall send a Get request for the PM-Store object with an attribute-id-list set to 0 to indicate all PM-Store attributes.		
	6. The PHD issues a GET response with the PM-Store attributes it supports:		
	a. Mandatory Store-Capacity-Count		
	□ attribute-id = MDC_ATTR_METRIC_STORE_CAPAC_CNT		
	☐ attribute-type = INT-U32		
	☐ attribute-value.length = 4 bytes		
	☐ attribute-value = See relation with next attribute		
	b. Mandatory attribute Store-Usage-Count		
	□ attribute-id = MDC_ATTR_METRIC_STORE_USAGE_CNT		
	☐ attribute-type = INT-U32		
	☐ attribute-value.length = 4 bytes		
	 □ attribute-value = consistent with actual number of segments present and always ≤ than Storage-Capacity-Count 		
	c. Mandatory attribute PM-Store-Label		
	□ attribute-id = MDC_ATTR_PM_STORE_LABEL_STRING		
	□ attribute-type = OCTET STRING		
	☐ attribute-value.length = <variable></variable>		
	☐ attribute-value = Printable ASCII		
	d. IF Not Recommended attribute Sample-Period is present		
	□ attribute-id = MDC_ATTR_TIME_PD_SAMP		
	☐ attribute-type = RelativeTime		
	☐ attribute-value.length = 4 bytes		
	☐ attribute-value = <not in="" relevant="" test="" this=""></not>		
Pass/Fail criteria	All checked values are as specified in the test procedure.		
Notes			

TP Id		TP/PLT/PHD/CLASS/INR/BV-017					
TP label		PM Segment Object for Extended Configuration					
Coverage	Spec	[ISO/IEEE 11073-10418C]					
	Testable	PMStoreObj 5; M	PMStoreObj 6; O	PMStoreObj 7; M			
	items	PMSegObj 6; M	PMSegObj 7; M	PMSegObj 8; M			
		PMSegObj 10; M	MSegObj 10; M				

Test purpose	Check that: PM-Segment contains the attributes specified for Extended Configuration.		
Applicability	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_041 AND C_AG_OXP_181		
Other PICS			
Initial condition	The simulated PHG and the PHD under test are in the Operating state.		
Test procedure	 The simulated PHG shall send a Get request for the PM-Store object with an attribute-id- list set to 0 to indicate all PM-Store attributes. 		
	 The simulated PHG shall send a Get-Segment-Info object action for the PM-Segment object with SegmSelection = all-segments to indicate the PM-Segments attributes of all available PM-Segments. 		
	3. The PHD issues a response with the PM-Segment attributes it supports:		
	a. Mandatory attribute Segment-Label		
	□ attribute-id = MDC_ATTR_PM_SEG_LABEL_STRING		
	☐ attribute-type = OCTET STRING		
	☐ attribute-value.length = consistent with value		
	☐ attribute-value = <printable ascii=""></printable>		
	b. Mandatory attribute Segment-Start-BO-Time		
	☐ attribute-id = MDC_ATTR_TIME_START_SEG_BO		
	□ attribute-type = BaseOffsetTime		
	☐ attribute-value.length = 8 bytes		
	☐ attribute-value = <not for="" relevant="" test="" this=""></not>		
	c. Mandatory attribute Segment-End-BO-Time		
	☐ attribute-id = MDC_ATTR_TIME_END_SEG_BO		
	□ attribute-type = BaseOffsetTime		
	☐ attribute-value.length = 8 bytes		
	☐ attribute-value = <not for="" relevant="" test="" this=""></not>		
	d. Mandatory attribute Segment-Usage-Count		
	☐ attribute-id = MDC_ATTR_SEG_USAGE_CNT		
	□ attribute-type = INT-U32		
	□ attribute-value.length = 4 bytes		
	☐ attribute-value = <not in="" relevant="" test="" this=""></not>		
	e. Mandatory attribute PM-Segment-Entry-Map		
	☐ SegmentEntryHeader.value = One of the next must be set:		
	seg-elem-hdr-relative-time(1)		
	seg-elem-hdr-hires-relative-time(2)		
	seg-elem-hdr-bo-time(3)		
	□ SegmEntryElem: < Record the fields for later comparison>		
	4. Repeat steps 3 and 4 for every Segment.		
Pass/Fail criteria	All checked values are as specified in the test procedure.		
	Every segm-entry-header must contain one of the time formats.		
	At least one PM-Segment must reference the INR in its PM-Segm-Entry-Map.		
	If there are more than one PM-Segment, the rest of them must reference one of the		
	objects defined in the spec in its PM-Segm-Entry-Map.		
Notes			

TP Id		TP/PLT/PHD/CLASS/INR/BV-017_A			
TP label		PM-Segment Object for Extended Configuration.MDS Event Reports			
Coverage	Spec	[ISO/IEEE 11073-10418C]			
	Testable items	PMStoreObj 3; M	PMStoreObj 4; M		
Test purpos	е	Check that:			
		Any configuration with a PM Store for persistent storage shall disable agent-initiated transmission and enable access to PM-Store transmissions			
Applicability	1	C_AG_OXP_000 AND C_AG_	OXP_163 AND C_AG_OXP_04	1 AND C_AG_OXP_181	
Other PICS					
Initial condit	ion	The simulated PHG and the PHD under test are in the Operating state.			
Test procedure		The simulated PHG shall send a Get request for the PM-Store object with an attribute-id-list set to 0 to indicate all PM-Store attributes.			
		2. The simulated PHG shall send a Get-Segment-Info object action for the PM-Segment object with SegmSelection = all-segments to indicate the PM-Segments attributes of all available PM-Segments.			
		3. The simulated PHG asks for a measurement.			
		4. Check the event reports that are sent by the PHD.			
Pass/Fail cri	teria	In step 4, the PHD shall not send the data with MDS event reports.			
Notes					

TP ld		TP/PLT/PHD/CLASS/INR/BV-018					
TP label		Communication Model: Association Procedure					
Coverage	Spec	[ISO/IEEE 11073-10418C]					
	Testable	AgProcAs	s 1; M	AgProcAs 2; M	AgProcAs 4; M		
	items	AgProcAs	s 5; M	AgProcAs 6; M	AgProcAs 7; M		
		AgProcAs	s 8; M	AgProcAs 9; M	AgProcAs 10; M		
		AgProcAs	s 11; M	AgProcAs 12; M	MDSMethods 3;M		
		AgProcAs	s 13; O				
Test purpos	е	Check tha	at:				
		The asso	ciation procedure	data exchange is correct			
Applicability	1	C_AG_O	XP_000 AND C_A	AG_OXP_163			
Other PICS		C_AG_OXP_002, C_AG_OXP_017					
Initial condit	tion	The simulated PHG and the PHD under test are in the Unassociated state.					
Test proced	ure	The PHD sends a message to associate with the simulated PHG, the expected fields sent by the PHD are:					
		a. APDU Type					
			☐ field- type = AarqApdu				
			ifield-length =2 bytes				
			☐ field-value =0xE2 0x00.				
			b. assoc-version				
		1	☐ field- type = AssociationVersion				
			☐ field-length =	BITS-32			
			☐ field-value=0	00x0 00x0 00x0 00x0			
		С.	data-proto-id				
		I	☐ field- type = [DataProtold(INT-U16)			

	☐ field-length =2 bytes
	☐ field- value=0x50 0x79 (20601)
d.	protocol-version
	☐ field- type = Protocol Version
	☐ field-length = 4 bytes
	☐ field- value= At least bit protocol-version2(1) is set to 1 (0x40 0x00 0x00 0x00 0x00 OR 0xC0 0x00 0x00 0x00)
e.	encoding rules
	☐ field- type = EncodingRules
	☐ field-length = 2 bytes
	☐ field- value=
	Bit 0 must be set (support for MDER)
	Bits 1 (XER) and 2 (PER) may be set
	All other bits must be 0.
f.	nomenclature version
	☐ field- type = NomenclatureVersion
	☐ field-length = 4 bytes
	☐ field- value=0x80 0x00 0x00 0x00
	☐ This value indicates version1 is supported (nom-version1(0) is set).
g.	functional – units
	☐ field- type = FunctionalUnits
	☐ field-length = 4 bytes
	Bit 0 must be 0.
	Bits 1 and 2 may be set
	The rest of the bits must not be set
h.	System type
	☐ field- type = SystemType
	☐ field-length = 4 bytes
	$\Box \text{field- value} = 0x00 \ 0x80 \ 0x00 \ 0x00 \ (\text{sys-type-agent})$
i.	System-Id
	☐ field- type = OCTET STRING
	☐ field-length = 8 bytes
	☐ field- value = 0xXX 0xXX 0xXX 0xXX 0xXX 0xXX 0xXX 0x
	☐ This value will be System Id attribute of MDS Object.
j.	dev-config-id
	☐ field- type = Configld(INT-U16)
	☐ field-length = 2 bytes
	☐ field- value =
	 0x07 0x08 OR 0x07 09 for standard configuration.
	 <between 0x00="" 0x40="" 0x7f="" 0xff="" and=""> for extended configuration.</between>
k.	data-req-mode-flags (DataReqModeCapab)
	☐ field- type = DataReqModeFlags
	☐ field-length = 2 bytes

		 If the PHD supports Agent-initiated measurement transfer → Bit 15 is set (data-req-supp-init-agent(15))
		 If the PHD supports requesting objects based on the object handle →Bit 6 will be set (data-req-supp-scope-handle(6)).
		 If the PHD supports single response →Bit 8 will be set (data-req-supp-mode-single-rsp(8)).
		 If the PHD supports time unlimited data request →Bit 10 will be set (data-req-supp-mode-time-no-limit(10)).
	I.	data-req-init-agent-count (DataReqModeCapab)
		☐ field- type = INT-U8
		☐ field-length = 2 bytes
		☐ field.value = 0x01
	m.	data-req-init-manager-count (DataReqModeCapab)
		☐ field- type = INT-U8
		☐ field-length = 2 bytes
		☐ field.value = 0x00
Pass/Fail criteria	All check	ed values are as specified in the test procedure.
Notes		

TP ld		TP/PLT/PHD/CLASS/INR/BV-019			
TP label		PM Segment Object for Extended Configuration			
Coverage	Spec	[ISO/IEEE 11073-10418C]			
covarage	Testable items	PMStrObjMeth 1; M			
Test purpose		Check that: INR monitor supports the Clear-Segments method with Confirmed mode			
Applicability	ı	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_041 AND C_AG_OXP_071			
Other PICS					
Initial condit	ion	The simulated PHG and the PHD under test are in the Operating state and the PHD has at least one PM-Segment with data stored.			
Test procedu	ure	Take measurements with the PHD of a value that is stored on a PM-Segment.			
		2. The simulated PHG shall send a Get request for the PM-Store object with an attribute-id-list set to 0 to indicate all PM-Store attributes.			
		3. The PHD issues a GET response with the PM-Store attributes, record the values of the PMStoreCapab attribute.			
		4. The simulated PHG shall send a Get-Segment-Info object action with a segmSelection set to all-segments to check that there are no segments in use.			
		5. The simulated PHG sends a Clear-Segment to all segments:			
		a. Data APDU			
		☐ Type = Invoke Confirmed Action,			
		☐ HANDLE = obj-handle			
		☐ Action = MDC_ACT_SEG_CLEAR			
		☐ SegmSelection = all-segments			
		6. The PHD under test operation response:			
		a. Data APDU			
		☐ Type = Response Confirmed Action,			
		☐ HANDLE = obj-handle			

			Action = MDC_ACT_SEG_CLEAR
	7.	Delay.	
	8.		nulated PHG sends a request for the PM-Segment Data with SegmSelection = all- nts to obtain all the segments:
		a. Da	ta APDU
			Type = Invoke Confirmed Action,
			HANDLE = obj-handle
			Action = MDC_ACT_SEG_TRIG_XFER
			SegmSelection = <instance action="" before="" clear-segment="" contained="" data="" number="" of="" pm-segment="" selected="" that="" the=""></instance>
	9.	The PH	ID issues an action response with the Data:
		a. Da	ta APDU
			Type = Response Confirmed Action,
			HANDLE = obj-handle
			Action = MDC_ACT_SEG_TRIG_XFER
			TrigSegmXferRsp =
			IF pmsc-clear-segm-remove is NOT set THEN TrigSegmXferRsp = tsxr-fail-segm-empty
			ELSE TrigSegmXferRsp = tsxr-fail-no-such-segment
Pass/Fail criteria	All	checked	values are as specified in the test procedure.
Notes			

TP Id		TP/PLT/PHD/CLASS/INR/BV-021			
TP label		Operating State. PHG to PHD Maximum APDU Size			
Coverage	Spec	[ISO/IEEE 11073-20601-2015A] and [ISO/IEEE 11073-20601-2016C]			
	Testable items	CommonCharac 3; M			
	Spec	[ISO/IEEE 11073-10418C]			
	Testable items	ComChar 2; M			
Test purpose	Э	Check that:			
		The total size of the response does not exceed of the maximum APDU size established by the specialization			
		[AND]			
		An INR PHD implementing only this device specialization shall be capable of receiving any APDU up to the size of Nrx. For this standard, Nrx shall be 224 octets			
Applicability		C_AG_OXP_000 AND C_AG_OXP_163			
Other PICS		C_AG_OXP_041, C_AG_OXP_100			
Initial condit	ion	The simulated PHG and the PHD are in the Operating state.			
Test procedu	ıre	The simulated PHG issues a "Remote Operation Invoke Get" command with:			
		a. Obj-handle set to 0 (to request an MDS object)			
		b. attribute-id-list.count = 103			
		 c. attribute-id-list: (MDC_ATTR_ID_MODEL, MDC_ATTR_SYS_ID, MDC_ATTR_DEV_CONFIG_ID) repeated 34 times followed by an additional MDC_ATTR_ID_MODEL 			
		2. Check the response of the PHD.			
		3. The simulated PHG issues a "Remote Operation Invoke Get" command with the handle			

	set to 0 (to request an MDS object) and an empty attribute-id-list to indicate all attributes.
	4. Check the response of the PHD.
Pass/Fail criteria	In step 2, the PHD under test may respond with a rors-cmip-get listing all the requested attributes, or with a roer message. If PICS C_AG_OXP_100 =TRUE and the PHD does not respond with a rors-cmip-get message, it responds with a roer message or rorj (resource-limitation) message, a WARNING will appear.
	 If the response is a get response, the total size of the response cannot exceed the sum of the APDU sizes of the supported specializations (limited to an absolute limit of 64512 octets):
	 Pulse oximeter → 9216 octets
	 Weighing scales → 896 octets
	 Glucose meter → 5120 octets or 64512 octets if the PHD supports PM-Store
	■ Blood pressure → 896 octets
	■ Thermometer → 896 octets
	 Independent activity hub → 5120 octets
	 Cardiovascular → 64512 octets or 6624 octets if the PHD under test only supports the Step Counter Profile
	■ Strength → 64512 octets:
	 Adherence monitor → 1024 octets
	■ Peak flow → 2030 octets
	 Body composition analyser → 7730 octets
	 Basic ECG/Simple ECG → 7168 octets or 64512 octets if the PHD supports PM-Store
	 Basic ECG/Heart rate → 1280 octets or 64512 octets if the PHD supports PM- Store
	 International normalized ratio → 896 octets or 64512 if the PHD supports PM- Store
	 In the case where it responds with a roer, the reason must not be protocol-violation (23)
	In step 4, the PHD must respond with a rors-cmip-get message.
Notes	

TP ld		TP/PLT/PHD/CLASS/INR/BV-022		
TP label		INR measurement above the capabilities of the device sensor		
Coverage Spec		[ISO/IEEE 11073-10418C]		
	Testable items	INR 29; M		
Test purpos	ie	Check that:		
		In standard configurations 1800 (0x0708) and 1801 (0x709), an INR measurement that is above the capabilities of the device sensor shall be indicated with an observed value of +INFINITY		
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND (C_AG_INR_001 OR C_AG_INR_002) AND (NOT C_AG_OXP_181)		
Other PICS				
Initial condition		The simulated PHG and the PHD under test are in the Operating state.		
Test procedure		Place in the device sensor an INR sample with an INR level above the capabilities of the device sensor and acquire a measurement with the PHD under test.		
		The test tool simulated PHG waits to receive an event report from the PHD under test. The event report shall contain the following values:		

	a. Data APDU		
	event-type = MDC_NOTI_SCAN_REPORT_FIXED (0x0D 0x1D)		
	□ obj-handle = 1 (1st Measurement is INR)		
	□ obs-val-data =		
	Basic-Nu-Observed-Value = 0x07FE		
	Base-Offset-Time-Stamp = <not case="" for="" relevant="" test="" this=""></not>		
Pass/Fail criteria	All checked values are as specified in the test procedure.		
Notes	The vendor must provide an INR sample (or a simulated INR solution) with an INR level above the capabilities of device sensor.		

TP ld		TP/PLT/PHD/CLASS/INR/BV-023			
TP label		INR measurement below the capabilities of the device sensor			
Coverage Spec		[ISO/IEEE 11073-10418C]			
	Testable items	INR 30; M			
Test purpos	е	Check that:			
		In standard configurations 1800 (0x0708) and 1801 (0x709), an INR measurement that is below the capabilities of the device sensor shall be indicated with an observed value of – INFINITY.			
Applicability		C_AG_OXP_000 AND C_AG_OXP_163 AND (C_AG_INR_001 OR C_AG_INR_002) AND (NOT C_AG_OXP_181)			
Other PICS					
Initial condit	tion	The simulated PHG and the PHD under test are in the Operating state.			
Test procedure		Place in the device sensor a blood sample with a blood glucose level below the capabilities of the device sensor and acquire a measurement with the PHD under test.			
		The test tool simulated PHG waits to receive an event report from the PHD, under test. The event report shall contain the following values:			
		a. Data APDU			
		event-type = MDC_NOTI_SCAN_REPORT_FIXED (0x0D 0x1D)			
		□ obj-handle = 1 (1st Measurement is INR)			
		□ obs-val-data =			
		Basic-Nu-Observed-Value = 0x0802			
		Base-Offset-Time-Stamp = <not case="" for="" relevant="" test="" this=""></not>			
Pass/Fail criteria		All checked values are as specified in the test procedure.			
		The vendor must provide an INR sample (or a simulated INR solution) with an INR level below the capabilities of device sensor.			

TP Id		TP/PLT/PHD/CLASS/INR/BV	-024
TP label Cont		Control Calibration measurem	nent above the capabilities of the device sensor
Coverage	Spec	[ISO/IEEE 11073-10418C]	
	Testable items	CtrlCal 6; M	
Test purpose			00 (0x0708) and 1801 (0x709), a Control Calibration e capabilities of the device sensor shall be indicated with an
Applicability C		C_AG_OXP_000 AND C_AG	_OXP_163 AND C_AG_INR_002 AND (NOT C_AG_OXP_181)

Other PICS				
Initial condition	The simulated PHG and the PHD under test are in the Operating state.			
Test procedure	Place in the device sensor a control calibration sample with an INR level above the capabilities of the device sensor and check it with the PHD under test.			
	The test tool simulated PHG waits to receive an event report from the PHD under test. The event report shall contain the following values:			
	a. Data APDU			
	event-type = MDC_NOTI_SCAN_REPORT_FIXED (0x0D 0x1D)			
	□ obj-handle = 2 (Control Calibration)			
	☐ obs-val-data =			
	Basic-Nu-Observed-Value = 0x07FE			
	 Base-Offset-Time-Stamp = <not case="" for="" relevant="" test="" this=""></not> 			
Pass/Fail criteria	All checked values are as specified in the test procedure.			
Notes	The vendor must provide a Control Calibration with an INR level above the capabilities of device sensor.			

TP Id TP/PLT/PHD/CLASS/INR/BV-025		TP/PLT/PHD/CLASS/INR/BV-025			
TP label		Control Calibration measurement below the capabilities of the device sensor			
Coverage	Spec	[ISO/IEEE 11073-10418C]			
_	Testable items	CtrlCal 7; M			
Test purpose	е	Check that:			
		In standard configurations 1800 (0x0708) and 1801 (0x709), a Control Solution measurement that is below the capabilities of the device sensor shall be indicated with an observed value of -INFINITY			
Applicability	1	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_INR_002 AND (NOT C_AG_OXP_181)			
Other PICS					
Initial condition The simu		The simulated PHG and the PHD under test are in the Operating state.			
Test procedure		Place in the device sensor a control calibration sample with an INR level above the capabilities of the device sensor and check it with the PHD under test.			
		The test tool simulated PHG waits to receive an event report from the PHD, under test. The event report shall contain the following values:			
		a. Data APDU			
		event-type = MDC_NOTI_SCAN_REPORT_FIXED (0x0D 0x1D)			
		□ obj-handle = 2 (Control Calibration)			
		☐ obs-val-data =			
		Basic-Nu-Observed-Value = 0x0802			
		Base-Offset-Time-Stamp = <not case="" for="" relevant="" test="" this=""></not>			
Pass/Fail cri	teria	All checked values are as specified in the test procedure.			
Notes		The vendor must provide a Control Calibration with an INR level below the capabilities of device sensor.			

TP Id		TP/PLT/PHD/CLASS/INR/BV-026
TP label Set Time (Base Offset Time) INR monitor		Set Time (Base Offset Time) INR monitor
Coverage	overage Spec [ISO/IEEE 11073-10418C]	
	Testable	MDSMethods 5; M

items				
Test purpose	Check that:			
	If the PHD supports the [Base-Offset-Time-Stamp] attribute, the Set-Base-Offset-Time method shall be implemented			
Applicability	C_AG_OXP_000 AND C_AG_OXP_163 AND C_AG_OXP_014			
Other PICS				
Initial condition	The simulated PHG and the PHD under test are in the Operating state.			
Test procedure	1. The simulated PHG sends a SET action:			
	☐ CHOICE = SetBOTimeInvoke			
	□ action-type = MDC_ACT_SET_BO_TIME			
	☐ the action-info-args are SetBOTimeInvoke			
	 date-time = bo-seconds = 0x00 0x00 0x00 0x00, bo-fractions = 0x00 0x00, bo- time-offset = 0x3C 			
	2. The PHD under test response shall be a rors-cmip-confirmed-action:			
	☐ action-type = MDC_ACT_SET_BO_TIME			
	☐ action-info-args shall be empty.			
Pass/Fail criteria	All checked values are as specified in the test procedure.			
Notes				

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