



GE VERNOVA

MiCOM P40 Agile

P345

TICS

Tissues Conformance Statement - IEC 61850 Edition 2

Software Version: 91

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1 IEC 61850 TISSUES CONFORMANCE STATEMENT (TICS)

1.1 INTRODUCTION

This document provides a template for the Tissues Conformance Statement. According to the UCA IUG QAP the Tissues Conformance Statement is required to perform a conformance test and is referenced on the certificate.

This document is applicable for P345 with firmware version 91.

1.2 MANDATORY EDITION 2 TISSUES

The tables below give an overview of the applicable mandatory Tissues.

Part	Tissue	Description	Implemented Y/Na
6	658	Tracking related features	Na
	663	FCDA element cannot be a "functionally constrained logical node"	Y
	668	Autotransformer modeling	Na
	687	SGCB ResvTms	Na
	719	ConfDataSet - maxAttributes definition is confusing	Y
	721	Log element name	Na
	768	bType VisString65 is missing	Y
	779	object references	Na
	788	SICS S56 from optional to mandatory	Na
	789	ConfLdName as services applies to both server and client	Na
	804	valKind and IED versus System configuration	Y
	806	Max length of log name inconsistent between -6 and -7-2	Na
	807	Need a way to indicate if "Owner" present in RCB	Na
	823	ValKind for structured data attributes	Y
	824	Short addresses on structured data attributes	Na
	825	Floating point value	Y
	845	SGCB ResvTms	Na
	853	SBO and ProtNs	Na
	855	Recursive SubFunction	Na
	856	VoltageLevel frequency and phases	Na
857	Function/SubFunction for ConductingEquipment	Na	
886	Missing 8-1 P-types	Na	
901	tServices as AP or as IED element	Y	
936	SupSubscription parameter usage is difficult	Y	

Part	Tissue	Description	Implemented Y/Na
6	1147	tServices - FileHandling not consistent with -7-2	Y
	1185	Valkind value Conf for EX FC data	Na
	1284	SCSM mapping may require a communication section in an ICD file	Y
	1328	Limitation on the size of data type templates identifiers	Y
	1395	Client LN attributes	Na
	1402	ExtRef during engineering	Na
	1415	SICS-S110 IID import mandatory for Edition2	Na
	1419	Support of IdName on other IEDs	Na
	1444	Need to support fixed and SCT controlled Datasets	Na
	1445	ConfReportControl and a fixed ReportSettings	Na
	1450	originalSciXxx computation rules	Y
	1485	Need to supercede Tissue 1398 to clarify SCT behavior	Na
7-1	828	Data model namespace revision IEC 61850-7-4:2007[A]	Na
	948	Enumeration (string) values format	Y
	1151	Simulated GOOSE disappears after 1st appearance when LPHD.Sim = TRUE	Y
	1396	The use and configuration flow of LGOS and LSVS is unclear	Y
	1447	Restriction on ENUMtypes in SCL	Na
	1457	Multiple DOI nodes with the same name	Y
	1468	Re-use DO from other LN	Y
	1491	CmdBik blocks itself?	Na
7-2	728	BRCB: could PurgeBuf be set when RptEna=TRUE?	Y
	778	AddCause values – add value not-supported	Y
	780	What are unsupported trigger option at a control block?	Y
	783	TimOper Resp- ; add Authorization check	Na
	786	AddCause values 26 and 27 are switched	Y
	820	Mandatory ACSI services (use for PICS template)	Y
	858	typo in enumeration ServiceType	Na
	861	dchg of ConfRev attribute	Na
	1050	GTS Phycomaddr definition in SCL	Na
	1071	Length of DO name	Na

Part	Tissue	Description	Implemented Y/Na
7-2	1127	Missing owner attribute in BTS and UTS	Na
	1202	GI not optional	Na
	1232	EntryID needs clarification	Y
	1242	NTS definition	Na
	1307	Segmented report with Buffer overflow	Y
	1428	MTS and NTS should use svOptFlds	Na
	1630	Attributes in CDC=LTS do not match 8-1 definition	Na
7-3	697	persistent command / PulseConfig	Y
	698	Wrong case is BAC.dB attribute	Na
	711	blkEna freeze data update while setting its quality to operaterBlocked	Na
	722	Units for 'h' and 'min' not in UnitKind enumeration.	Y
	919	Presence Condition for sVC	Na
	925	Presence of i or f attribute - Problem with writing	Na
	926	Presence Conditions within RangeConfig	Na
	954	Data attributes with FC=CF should have trgOp=dchg	Y
	1078	CMV.t update if rangeAng changed	Na
	1565	db = 0 behaviour	Y
	1578	dataAttribute Namespace content	Y
7-4	671	mistake in definition of Mod & Beh	Na
	674	CDC of ZRRC.LocSta is wrong	Na
	676	Same data object name used with different CDC	Na
	677	MotStr is used with different CDC in PMMS and SOPM LN classes	Na
	679	Remove CycTrMod Enum	Na
	680	SI unit for MHYD.Cndct	Na
	681	Enum PIDAlg	Na
	682	ANCR.ParColMod	Na
	683	Enum QVVR.IntrDetMth	Na
	685	Enum ParTraMod	Na
	686	New annex H - enums types in XML	Y
	694	Data object CmdBlk	Na
	696	LSVS.St (Status of subscription)	Y

Part	Tissue	Description	Implemented Y/Na
7-4	712	interpretation of quality operatorBlocked	Y
	713	DO Naming of time constants in FFIL	Na
	714	Enums for ShOpCap and SwOpCap	Na
	715	RBDR.ChNum1	Na
	716	TAXD text for condition	Na
	724	ANCR.Auto	Na
	725	Loc in LN A-group	Na
	734	LLN0.OpTmh vs. LPHD.OpTmh	Na
	736	PFSign	Na
	742	GAPC.Str, GAPC.Op and GAPC.StrVal	Na
	743	CCGR.PmpCtl and CCGR.FanCtl	Na
	744	LN STMP, EEHealth and EEName	Na
	772	LPHD.PwrUp/PwrDn should be transient	N (only support PwrUp)
	773	Loc, LockKey and LocSta YPSH and YLTC	Na
	774	ITCI.LockKey	Na
	776	LPHD.OutOv/InOv and LCCH.OutOv/InOv	Na
	800	Misspelling in CSYN	Na
	802	CCGR and Harmonized control authority	Na
	808	Presence condition of ZMoT.DExt and new DOs	Na
	831	Setting of ConfRevNum in LGOS	Na
	838	Testing in Beh=Blocked	Na
	844	MFLK.PhPiMax, MFLK.PhPiLoFil, MFLK.PhPiRoot DEL->WYE	Na
	877	QVUB -settings should be optional	Na
	908	ARIS.StrSeq – transient	Na
	909	Remove ANCR.ColOpR and ColOpL	Na
	912	Clarification of PwrRtg/VARtg	Na
	920	Resetable Counter is NOT resetable	Na
	932	Rename AVCO.SptVol to AVCO.VolSpt	Na
	933	Presence of LCCH.RedFerCh and RedRxCnt	Na
	939	Change CDC for ANCR.FixCol	Na
991	LGOS: GoCBRef (as well as LSVS.SvCBRef) should be mandatory	Na	

Part	Tissue	Description	Implemented Y/Na
7-4	1007	PTRC as fault indicator - Update of description required	Na
	1044	TapChg in AVCO	Na
	1077	Rename DOnames within LTIM	Na
	1256	New DO for LTIM to set time "manually"	Na
	1331	Mod, Beh and Health with q=TEST, client can't receive their states	Y
	1426	Add two DO for leap seconds in LTIM	Na
	1456	Annex A and Mod/Beh/Health	Y
	1568	ISAF.AlmReset ->transient	Na
8-1	770	GoID type mismatch 18.1.1 and 18.1.2.5.2	Na
	784	Tracking of control (CTS)	Na
	817	Fixed-length GOOSE float encoding	Y
	827	Mandatory ACSI services (Part of 7-2 TISSUE resolution)	Y
	834	File dir name length 64	Na
	951	Encoding of Owner attribute	Na
	1040	More associate error codes	Na
	1178	Select Response+ is non-null value	Na
	1324	The response- for DeleteNamedVariableList is not defined	Na
	1345	Fixed-length GOOSE ASN.1 length encoding	Y
	1441	Optional fields in buffered reports	Y
	1442	Journal variableTag for ReasonCode	Na
	1453	Purge buffer on write to BRCB	Y
	1454	Reports can be transmitted before write (RptEna=true) is confirmed	Na
	1495	GetVariableAccessAttributes error code	Y
1500	The response for DeleteNamedVariableList with a non-existent LN is not specified	Na	
1626	PICS for Information Report is incorrect	Na	

Note: Part 7.4 Tissues 675, 735, 772, 775, 776, 878 are not relevant for conformance testing

Compare the TISSUE database for more details: www.tissues.iec61850.com



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