Protection and Control Relay

615 GRID AUTOMATION SERIES

TISSUES Implementation Conformance Statement for the IEC61850 Ed2 interface in 615 GA series

ABB

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1 Introduction

This document provides the 615 GA series Technical Issues Conformance Statement (TICS). According to the UCA IUG QAP the tissue conformance statement is required to perform a conformance test and is referenced on the certificate. For more details to technical issues check following official web page: http://www.tissues.iec61850.com.

1.1 Document information

Revision History

Revision	Date	Note
A	2018.08.15	615 GA series v2.0

Applicability

This manual is applicable to all 615 GA series Protection and Control Relay versions mentioned in document Revision History above or newer versions if document update is not required.

2 Mandatory Edition 2 Tissues

Part 6 Tissue	Description	Implemented Y/na
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	na
779	object references	Y
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	na
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
822	Extension of IED capabilities	Y
823	ValKind for structured data attributes	Y
824	Short addresses on structured data attributes	na
825	Floating point value	na
845	SGCB ResvTms	na
853	SBO and ProtNs	Y
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	na

Part 7-2 Tissue	Description	Implemented Y/na
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	na

Part 7-3 Tissue	Description	Implemented Y/na
697	persistent command / PulseConfig	Y
698	Wrong case is BAC.dB attribute	na
722	Units for 'h' and 'min' not in UnitKind enumeration.	Y

Part 7-4 Tissue	Description	Implemented Y/na
674	CDC of ZRRC.LocSta is wrong	na
675	SIML LN	Y
676	Same data object name used with different CDC	na
677	MotStr is used with different CDC in PMMS and SOPM LN classes	na
680	SI unit for MHYD.Cndct	na
681	Enum PIDAlg	na
682	ANCR.ParColMod	na
683	Enum QVVR.IntrDetMth	na
685	Enum ParTraMod	Y
686	New annex H - enums types in XML	Y
694	Data object CmdBlk	na
696	LSVS.St (Status of subscription)	na
712	interpretation of quality operatorBlocked	Y
713	DO Naming of time constants in FFIL	na
724	ANCR.Auto	na
725	Loc in LN A-group	na
734	LLN0.OpTmh vs. LPHD.OpTmh	na
735	ISAF.Alm and ISAF.AlmReset	na
736	PFSign	na
742	GAPC.Str, GAPC.Op and GAPC.StrVal	Y
743	CCGR.PmpCtl and CCGR.FanCtl	na
744	LN STMP, EEHealth and EEName	na
772	LPHD.PwrUp/PwrDn shall be transient	Y
773	Loc, LocKey and LocSta YPSH and YLTC	na
774	ITCI.LocKey	na
775	KVLV.ClsLim and OpnLim	na
776	LPHD.OutOv/InOv and LCCH.OutOv/InOv	na
800	Misspelling in CSYN	na
802	CCGR and Harmonized control authority	Y

Part 7-4 Tissue	Description	Implemented Y/na
808	Presence condition of ZMOT.DExt and new DOs	na
838	Testing in Beh=Blocked	Y

Part 8-1 Tissue	Description	Implemented Y/na
817	Fixed-length GOOSE float encoding	Y
951	Encoding of Owner attribute	na

ABB