



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 1/12

# TISSUES Implementation Conformance Statement

## TICS for Server Test Procedures for Edition 2

**Author:** C. Camélis

**Revision:** 1.0

**Status:** Released

**File:** TICS\_DS AgileV7\_C264\_A1.docx



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 2/12

## Table of Contents

<b>1</b>	<b>INTRODUCTION.....</b>	<b>3</b>
<b>2</b>	<b>MANDATORY EDITION 2 TISSUES.....</b>	<b>4</b>



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 3/12

## 1 INTRODUCTION

This document provides the Tissues conformance statement. According to the UCA IUG QAP the Tissue conformance statement is required to perform a conformance test and is referenced on the certificate.

This document is applicable for C264 with firmware system version DS Agile V7.



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 4/12

## 2 MANDATORY EDITION 2 TISSUES

Below tables give an overview of the applicable mandatory 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	Y
779	object references	Y
788	SICS S56 from optional to mandatory	na
789	ConfLdName as services applies to both server and client	Y
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	Y
823	ValKind for structured data attributes	Y
824	Short addresses on structured data attributes	Y
825	Floating point value	Y
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



## TISSUES Implementation Conformance Statement

TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 5/12

<b>Part 6 Tissue</b>	<b>Description</b>	<b>Implemented Y/na</b>
901	tServices as AP or as IED element	Y
936	SupSubscription parameter usage is difficult	na
1175	IPv6 address lowercase only	na
1185	Valkind value Conf for EX FC data	Y
1208	IPv6 Address format	na
1328	Limitation on the size of data type templates identifiers	Y
1365	Need to tighten up the XSD in regards to IEDName usage	Na
1395	Client LN attributes	Y
1444	Need to support fixed and SCT controlled Datasets	Y
1445	ConfReportControl and a fixed ReportSettings	Y
1450	originalSclXxx computation rules	Y



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 6/12

Part 7-1 Tissue	Description	Implemented Y/na
828	Data model namespace revision IEC 61850-7-4:2007[A]	Y
948	Enumeration (string) values format	Y
1151	simulated GOOSE disappears after 1st appearance when LPHD.Sim = TRUE	na
1468	Re-use DO from other LN	Y



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 7/12

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	Y
820	Mandatory ACSI services (use for PICS template)	Y
858	typo in enumeration ServiceType	Y
861	dchg of ConfRev attribute	na
876	GenLogicNodeClass and SGCB, GoCB, MsvCB, UsvCB	Y
1038	Loss of Info Detection After Resynch	Y
1050	GTS Phycomaddr definition in SCL	Y
1062	Entrytime not used in CDC	na
1071	Length of DO name	Y
1091	The sentence "The initial value of EditSG shall be 0", has to be stated in part 7.2 not in 8.1	na
1127	Missing owner attribute in BTS and UTS	na
1202	GI not optional	Y
1232	EntryID needs clarification	Y
1242	NTS definiton	na



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 8/12

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
919	Presence Condition for sVC	na
925	Presence of i or f attribute - Problem with writing	Y
926	Presence Conditions within RangeConfig	na





TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 9/12

Part 7-4 Tissue	Description	Implemented Y/na
671	mistake in definition of Mod & Beh	Y
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)	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	Y
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
773	Loc, LockKey and LocSta YPSH and YLTC	Y
774	ITCI.LockKey	na
776	LPHD.OutOv/InOv and LCCH.OutOv/InOv	Y
800	Misspelling in CSYN	na



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 10/12

Part 7-4 Tissue	Description	Implemented Y/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	Y
844	MFLK.PhPiMax, MFLK.PhPiLoFil, MFLK.PhPiRoot DEL->WYE	na
849	Presence conditions re-assessing in case of derived statistical calculation	na
877	QVUB -settings should be optional	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
939	Change CDC for ANCR.FixCol	na
991	LGOS: GoCBRef (as well as LSVS.SvCBRef) should be mandatory	na
1007	PTRC as fault indicator - Update of description required	na
1044	TapChg in AVCO	na
1077	Rename DOnames within LTIM	na
1331	Mod, Beh and Health with q=TEST, client can't receive their states	Y
1456	Annex A and Mod/Beh/Health	Y

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



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 11/12

Part 8-1 Tissue	Description	Implemented Y/na
784	Tracking of control (CTS)	na
817	Fixed-length GOOSE float encoding	Y
834	File dir name length 64	Y
951	Encoding of Owner attribute	Y
1040	More associate error codes	Y
1178	Select Response+ is non-null value	Y
1324	The response- for DeleteNamedVariableList is not defined	na
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 generated before write(RptEna=true) is confirmed	Y



TISSUES Implementation Conformance Statement	
TICS for Server Test Procedures for Edition 2	C264 DS Agile V7
Release Date: October 17, 2016	Revision: 1.0
Template: TICS Template version 1.0 with TPCL 1.0	Page: 12/12

### REVISION HISTORY

Version	Date	Author	Remarks
1.0	17102016	Christophe.Camélis	Initial version for final conformance test