

IEC 61850 interface in SINEAX CAM	Version: 1.1
TISSUES Implementation Conformance Statement for the IEC 61850 interface	Date: 20/05/09
CAM61850.TICS.V1.1.090520.DOC <a href="http://www.camillebauer.com">www.camillebauer.com</a>	



## TISSUES Implementation Conformance Statement for the IEC 61850 interface in SINEAX CAM

Version: 1.1

Creation Date: 01.02.2008

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## Revision History

Author	Department	Changes	Version	Date
Alexander Zakharov	<a href="http://www.camillebauer.com">www.camillebauer.com</a>	Initial	0.1	01.02.2008
Alexander Zakharov	<a href="http://www.camillebauer.com">www.camillebauer.com</a>	Issue	1.0	22.04.2009
Alexander Zakharov	<a href="http://www.camillebauer.com">www.camillebauer.com</a>	Based on the IEC 61850 TICS Template v0.1	1.1	20.05.2009

## Distribution

Name	Department	Location	Telephone

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## Introduction

This document provides a template for 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 **IEC 61850 interface in SINEAX CAM** with firmware version **V.2.14**.

## Mandatory Intop Tissues

During the October 2006 meeting IEC TC57 working group 10 decided that:

- green Tissues with the category "Intop" are mandatory for IEC 61850 edition 1
- Tissues with the category "Ed.2" Tissues should not be implemented.

Below table gives an overview of the implemented Intop Tissues.

## Mandatory Intop Tissues

During the October 2006 meeting IEC TC57 working group 10 decided that:

- green Tissues with the category "IntOp" are mandatory for IEC 61850 edition 1
- Tissues with the category "Ed.2" Tissues should not be implemented.

Below table gives an overview of the implemented IntOp Tissues.

Part	Tissue Nr	Description	Implemented Y/N/n.a.
8-1	116	GetNameList with empty response?	n.a.
	165	Improper Error Response for GetDataSetValues	n.a.
	183	GetNameList error handling	n.a.
7-4	None		
7-3	28	Definition of APC	n.a.
	54	Point def xVal, not cVal	n.a.
	55	Ineut = Ires ?	n.a.
	60	Services missing in tables	n.a.
	63	mag in CDC CMV	Y
	65	Deadband calculation of a Vector and trigger option	Y
	219	operTm in ACT	n.a.
7-2	270	WYE and DEL rms values	Y
	30	control parameter T	n.a.
	31	Typo	n.a.
	32	Typo in syntax	n.a.
	35	Typo Syntax Control time	n.a.
	36	Syntax parameter DSet-Ref missing	n.a.
	37	Syntax GOOSE "T" type	n.a.
	39	Add DstAddr to GoCB	n.a.
	40	GOOSE Message "AppID" to "GoID"	n.a.
	41	GsCB "AppID" to "GslD"	n.a.
	42	SV timestamp: "EntryTime" to "TimeStamp"	n.a.
	43	Control "T" semantic	n.a.
	44	AddCause - Object not sel	n.a.
	45	Missing AddCauses (neg range)	n.a.

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Part	Tissue Nr	Description	Implemented Y/N/n.a.
	46	Synchro check cancel	n.a.
	47	"." in LD Name?	n.a.
	49	BRCB TimeOfEntry (part of #453)	-
	50	LNNName start with number?	n.a.
	51	ARRAY [0..num] missing	n.a.
	52	Ambiguity GOOSE SqNum	n.a.
	53	Add DstAddr to GsCB, SV	n.a.
	151	Name constraint for control blocks etc.	n.a.
	166	DataRef attribute in Log	n.a.
	185	Logging - Integrity periode	n.a.
	189	SV Format	n.a.
	190	BRCB: EntryId and TimeOfEntry (part of #453)	-
	191	BRCB: Integrity and buffering reports (part of #453)	-
	234	New type CtxInt (Enums are mapped to 8 bit integer)	n.a.
	275	Confusing statement on GI usage (part of #453)	-
	278	EntryId not valid for a server (part of #453)	-
Part 6	1	Syntax	n.a.
	5	tExtensionAttributeNameEnum is restricted	n.a.
	8	SIUnit enumeration for W	Y
	10	Base type for bitstring usage	Y
	17	DAI/SDI elements syntax	Y
	169	Ordering of enum differs from 7-3	n.a.

NOTE: Tissue 49, 190, 191, 275 and 278 are part of the optional tissue #453, all other technical tissues in the table are mandatory if applicable.

NOTE: Editorial tissues are marked as "n.a.".

NOTE: Final proposal on tissue 45 is not defined yet

## Optional Intop Tissues

After the approval of the server conformance test procedures version 2.2 the following IntOp tissues were added or changed. It is optional to implement these tissues.

Part	Tissue Nr	Description	Implemented Y/N/n.a.
8-1	246	Control negative response (SBOs) with LastApplError	N
8-1	545	Skip file directories with no files	n.a.
7-2	333	Enabling of an incomplete GoCB	n.a.
7-2	453	Combination of all reporting and logging tissues	n.a.
6	245	Attribute RptId in SCL	Y
6	529	Replace sev - Unknown by unknown	n.a.

## Other Implemented Tissues

Part	Tissue Nr	Description