



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### TECHNICAL COMMITTEE 57: Power systems management and associated information exchange

#### Interoperability TISSUES on IEC 61850 entering into force as of November 1, 2021

##### 1. Background

As part of the maintenance process for the standard, technical issues (called TISSUES) are collected through the website [iec61850.tissue-db.com](http://iec61850.tissue-db.com). The concept of TISSUES is introduced in IEC 61850-1, clause 6.10. The TISSUE process in more details is described in <https://iec61850.tissue-db.com/download/TISSUE%20Database%20User%20Guide.pdf>.

TISSUES that affect interoperability will be put in force as batches, before an amendment of the standard can be done. They will then as well be required to be implemented for conformance testing.

This document lists the first batch of TISSUES that will be released and entering into force as of November 1, 2021. They have been approved for release at the plenary of TC57 on October 28, 2021.

##### 2. List of interoperability TISSUES to be released

The following tables provides an overview of the various TISSUES per part that will be released with this batch. The tables are grouped per part and indicate the number of the TISSUE, the title, and an indication if the code component is impacted. The indication for the code component is in the column "CC" as follows:

- L: the light version and the full version are impacted
- F: only the full version is impacted; this is typically a change only in the description of elements

For each part, the new identification of the code component is provided and circulated with this document.

###### 2.1 Part IEC 61850-7-2:2010/AMD1:2020

New code component: Version: 2007, Revision: B, Release 4 – IEC 61850-7-2:2007B4

Nr	Title	CC
1679	GoEna behavior at startup	
1681	LActTm representation is not actual	
1696	Blocked/Test-blocked does not impact CSWI -> XCBR interface	
1702	Limit LTRK to one instance on a server	
1707	Integrity will be buffered	

###### 2.2 Part IEC 61850-7-3:2010/AMD1:2020

New code component: Version: 2007, Revision: B, Release 4 – IEC 61850-7-3:2007B4

Nr	Title	CC
1699	dbRef should not be mandatory for APC and BAC	L

###### 2.2 Part IEC 61850-7-4:2010/AMD1:2020

New code component: Version: 2007, Revision: B, Release 4 – IEC 61850-7-4:2007B4

Nr	Title	CC
1718	RFLO LN, extension	L
1721	Power factor related data objects in LN MMXU	F

<i>Nr</i>	<i>Title</i>	<i>CC</i>
1722	ClcNxtTmms common data class	
1726	Enumeration ClockSyncKind of LTMSTmSynn is not correct	L
1769	When Beh=On, result with test=true not clear	
1770	Enumeration TransientPerformanceClassKind	L

### 3. List of editorial TISSUES that have been implemented with that batch

At the same time we would as well point to the following editorial TISSUES that may improve the understanding of the standard. If code components are affected, they have been implemented as well.

#### 3.1 Part IEC 61850-7-2:2010/AMD1:2020

<i>Nr</i>	<i>Title</i>	<i>CC</i>
1676	Multiple figures	
1697	Status texts	
1703	Cancel for a select in SBOs	
1719	Service ID in ACSI conformance statement	
1735	Control cancel support is mandatory if SBO or SBOw is supported	
1742	ACSI client abort and release requirements in conformance tables	

#### 3.2 Part IEC 61850-7-3:2010/AMD1:2020

<i>Nr</i>	<i>Title</i>	<i>CC</i>
1713	SIUnitKind new values in AMD1 versus consolidated version	
1714	Description of attribute 'general' in AMD1 versus consolidated version	

#### 3.3 Part IEC 61850-7-4:2010/AMD1:2020

<i>Nr</i>	<i>Title</i>	<i>CC</i>
1682	ITCI.Alm description text	F
1689	Attribute Namespace name wrong	
1732	Missing Presence conditions 'MONamPlt' in amd 2.1 of 7-1	
1775	IREG-B should be IRIG-B	L