

## IEC 61850 User Feedback Task Force - Feature #597

### SCTs updating the confRev of 9-2 LE Sampled Value streams - problem with subscription to test tool SV injection

02/03/2021 02:07 PM - Herbert Falk

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Standard clarification required	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>ID:</b>	1120	<b>To discuss in WG10:</b>	No
<b>Source:</b>	IOP_2019	<b>Short Proposal:</b>	SCT must recognize 9-2LE as fixed configuration.
<b>TF Unique ID:</b>	1120 # IOP_2019	<b>Standard(s):</b>	61850-90-28
<b>WG10 Proposal:</b>	- ConfRev in the message serves the purpose that the subscriber/client needs to be reconfigured- Reconfiguration may be dynamic (e.g. a client retrieving from the server the changes)- Based on that – detailed rules need to be defined, in what cases confRev needs to be increased ? this is currently discussed in the TF communication supervisionFeb-20: CRC: Check with Christophe CamelisJun-20: There are still discussions about ConfRev. A NWIP will be launched.	<b>Needs More Information:</b>	No
<b>Estimated Completion:</b>		<b>Assigned TF:</b>	
<b>Discuss in Upcoming Meeting:</b>	No		
<b>Description</b>			
SCTs updating the confRev of 9-2 LE Sampled Value streams. 9-2 LE states attribute ConfRev to always have the same value. Hence, the test tools which inject 9-2LE SV streams wouldn't allow the user to modify the confRev.  But, the IEDs which do a check on the confRev of SV stream(s) before accepting the to 9-2LE streams wouldn't subscribe to the SV streams from the test tools as there is a mismatch between the confRev of SV from the test tool (which is 1) and confRev of SV which the IED is expecting (as defined in the SCD).  1. The SCTs shouldn't increment the confRev of 9-2LE SVs. 2. Suggestion: the IEDs accepting 9-2LE streams should perform a check on the confRev and should declare this in the PIXIT.			
<b>Proposal descriptions</b>			
Routed to TF 90-28 Communication supervision.			

#### History

##### #1 - 02/11/2021 06:38 AM - Vladan Cvejic

- Subject changed from SCTs updating the confRev of 9-2 LE Sampled Value streams.

9-2 LE states attribute ConfRev to always have the same value.

Hence, to SCTs updating the confRev of 9-2 LE Sampled Value streams - problem with subscription to test tool SV injection

- Status changed from New to In Progress

- WG10 Proposal changed from - ConfRev in the message serves the purpose that the subscriber/client needs to be reconfigured

- Reconfiguration may be dynamic (e.g. a client retrieving from the server the changes)

- Based on that – detailed rules need to be defined, in what cases confRev needs to be increased ? this is currently discussed in the TF communication supervision

Feb-20: CRC: Check with Christophe Camelis

Jun-20: There are still discussions about ConfRev. A NWIP will be launched. to - ConfRev in the message serves the purpose that the subscriber/client needs to be reconfigured- Reconfiguration may be dynamic (e.g. a client retrieving from the server the changes)- Based on that –

*detailed rules need to be defined, in what cases confRev needs to be increased ? this is currently discussed in the TF communication supervision*  
*Feb-20: CRC: Check with Christophe Camelis*  
*Jun-20: There are still discussions about ConfRev. A NWIP will be launched.*

*- Discuss in Upcoming Meeting set to No*

Checking done.

**#2 - 06/21/2022 09:30 AM - Carlos Rodriguez del Castillo**

*- Discuss in Upcoming Meeting changed from No to Yes*

**#3 - 07/05/2022 08:43 AM - Herbert Falk**

*- To discuss in WG10 set to No*

Please note that the issue of confRev should take into account the case where a 61869-9 variant dataset is not 9-2LE compatible and then the variant and dataset is changed back to be "compatible" with 9-2LE subscribers. 9-2LE specifies that the confRev shall be 1. Does a non-one(1) value for confRev create an Interoperability problem?

**#4 - 07/05/2022 08:46 AM - Vladan Cvejic**

*- Status changed from In Progress to Resolved*

*- Discuss in Upcoming Meeting changed from Yes to No*

*- Proposal descriptions updated*

*- Standard(s) changed from TF Communication supervison to TF Communication supervision*

**#5 - 09/26/2022 09:55 AM - Christophe CAMELIS**

Check of confRev has been already considered for SV validation.

Regarding engineering rules, behavior related to increment of ConfRev has been defined in the TR, including special rule for 9-2 LE. So, nothing to be done on subscriber IED side.

**#6 - 05/09/2023 09:13 AM - Carlos Rodriguez del Castillo**

*- Standard(s) changed from TF Communication supervision to 61850-90-28*

*- Needs More Information set to No*