

## IEC TC57 WG10 Future Work - WG10 Future Work #6265

### track changes in SCL to know when a device needs to be updated based on new SCD version

02/14/2023 09:06 AM - Camille Bloch

<b>Status:</b>	New	<b>Start date:</b>	02/14/2023
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Standard(s):</b>	IEC 61850-6
<b>Source:</b>		<b>Needs More Information:</b>	No
<b>TF Unique ID:</b>		<b>Assigned TF:</b>	61850-6
<b>WG10 Proposal:</b>		<b>Target edition:</b>	Next
<b>Discuss in Upcoming Meeting:</b>	No		
<b>Short Proposal:</b>			

#### Description

Following discussion in Kansas City about the usage of ConfRev for gooses, it has been clearly identified that ConfRev is an indicator for runtime about change which may have an impact on the runtime but without other way to identify it. This is way today, ConfRev is limited to Dataset update tracking.

Regarding the engineering of the system, this is not enough to identify when a device needs to be updated after a new version of the SCD.

We need for example to know each time a communication parameter of a goose has change imply the reconfiguration of the subscribers of the goose message.

As ConfRev is related to runtime, we need an additional mechanism.

A proposal has been done in 2017 which was never implemented in SCL. We need to review it and integrate the link with the new SCL version tracking bring with Ed2 AMD 2

#### History

##### #1 - 06/15/2023 11:59 AM - Joel Greene

- Target edition set to Edition 3

##### #2 - 06/21/2023 01:48 AM - Vladan Cvejic

- Tracker changed from WG10FutureWork to WG10 Future Work

- Discuss in Upcoming Meeting deleted (No)

- Needs More Information deleted (No)

##### #3 - 06/21/2023 02:02 AM - Vladan Cvejic

- Discuss in Upcoming Meeting set to No

- Needs More Information set to No

##### #4 - 10/26/2023 02:37 AM - Vladan Cvejic

- Target edition changed from Edition 3 to Not assigned

##### #5 - 10/26/2023 04:59 AM - Vladan Cvejic

- Standard(s) set to IEC 61850-6

- Target edition changed from Not assigned to Next

- Assigned TF 61850-6 added

##### #6 - 02/19/2024 10:56 AM - Camille Bloch

IEC 61850-6 ed2 AMD 2 introduce the concept of file UUID which can be referenced by other SCL files to track the file usage during engineering process, and the required SCD file to configure an IED.

**Files**

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ChangeTrackingInScIv4.pptx	324 KB	02/14/2023	Camille Bloch
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