

# IEC 61850 User Feedback Task Force - Improvement #672

## Create DO indicating the source of synchronisation

05/17/2021 10:14 AM - Maud Merley

<b>Status:</b> Resolved	<b>Start date:</b> 05/17/2021
<b>Priority:</b> Normal	<b>Due date:</b> 10/17/2021
<b>Category:</b> Standard extension required	<b>% Done:</b> 0%
<b>Target version:</b>	<b>Estimated time:</b> 0.00 hour
<b>ID:</b> 46	<b>To discuss in WG10:</b> No
<b>Source:</b> RTE	<b>Short Proposal:</b>
<b>TF Unique ID:</b> 46 # RTE	<b>Standard(s):</b> TR IEC 61850-7-500
<b>WG10 Proposal:</b>	<b>Needs More Information:</b> No
<b>Estimated Completion:</b>	<b>Assigned TF:</b> 61850-7-500 Ed2
<b>Discuss in Upcoming Meeting:</b> No	
<b>Description</b> Proposal to add in LTMS a DO indicating the current source of synchronisation of the IED. This should be done in a consistent way with SynSrcId added in the SV ADSU in 9-2 ed2.1. Proposal: add new DO (> 64 bit ) to LTMS and MMXU.	
<b>Proposal descriptions</b> - For LTMS, 7-4 Ed2.1 already addresses the issue. - For MMXU, it does not seem to be the best place to have the proposed new DO. Maybe the proxy TCTR or TVTR in the subscriber is the good place to have the DO indicating the time source of the sampled value stream the instance is connected to. Also LSVS could be a better place to have this information. To be discussed in WG10. - Issue should be addressed by TF 7-500	
<b>Related issues:</b> Copied to 61850-7-5 and 61850-7-500 - IEC61850-7-5 #6607: Create DO indicatin... <b>New</b> <b>05/17/2021</b> <b>10/17/2021</b>	

### History

#### #1 - 05/25/2021 02:27 AM - Carlos Rodriguez del Castillo

- Discuss in Upcoming Meeting changed from No to Yes

#### #2 - 09/28/2021 09:22 AM - Carlos Rodriguez del Castillo

- Due date set to 10/17/2021

- Category set to Standard extension required

- Status changed from New to In Progress

- Discuss in Upcoming Meeting changed from Yes to No

- Proposal descriptions updated

- To discuss in WG10 changed from No to Yes

- Standard(s) set to IEC 61850-7-4

2021-09-28

- RTE has an use case where they want to know if all the sources are synchronized with the same clock  
- 9.2 Ed2.1 has a bit to say global or local clock source, but there could be several local clocks, for example  
- We could have one clock for samples synchronization and other for other functionalities

Agreed:

- For LTMS, 7-4 Ed2.1 already addresses the issue.

- For MMXU, it does not seem to be the best place to have the proposed new DO. Maybe the proxy TCTR or TVTR in the subscriber is the good place to have the DO indicating the time source of the sampled value stream the instance is connected to. Also LSVS could be a better place to have this information. To be discussed in WG10.

- A tissue on 7-4 could be created to eliminate the 'date' reference to IEC 61850-9-3 in the normative references section. Also to reference 9-3 instead of 61588 in LTMS 'TmSrc' DO definition. TO BE DISCUSSED WITH HENRY.

**#3 - 09/28/2021 09:35 AM - Carlos Rodriguez del Castillo**

2021-09-28:

- A discussion about the use of this new DO is ongoing. Should be or not be used for protection purposes..

**#4 - 09/29/2021 03:49 AM - Carlos Rodriguez del Castillo**

- ID set to 46

- TF Unique ID set to 46 # RTE

TF Unique ID set

**#5 - 02/09/2022 09:37 AM - Carlos Rodriguez del Castillo**

- Keep the issue open and RTE will provide more detail use case

- Take into account proposals from communication supervision task force regarding extension of LSVS

**#6 - 02/09/2022 09:37 AM - Carlos Rodriguez del Castillo**

- To discuss in WG10 changed from Yes to No

**#7 - 06/14/2022 10:48 AM - Vladan Cvejic**

- Status changed from In Progress to Triage

**#8 - 06/14/2022 11:12 AM - Vladan Cvejic**

- Status changed from Triage to Resolved

- Proposal descriptions updated

- Standard(s) changed from IEC 61850-7-4 to IEC 61850-90-4

**#9 - 06/16/2022 03:51 PM - Bruce Muschlitz**

By definition, the time source of MMXU computations is the IED itself, thus LTMS.TmSrc

**#10 - 05/09/2023 09:32 AM - Carlos Rodriguez del Castillo**

- Needs More Information set to No

**#11 - 05/09/2023 09:32 AM - Carlos Rodriguez del Castillo**

- Discuss in Upcoming Meeting changed from No to Yes

**#12 - 05/23/2023 08:20 AM - Carlos Rodriguez del Castillo**

We need more information from RTE about what exactly the issue is.

**#13 - 06/05/2023 01:58 AM - Carlos Rodriguez del Castillo**

- Discuss in Upcoming Meeting changed from Yes to No

**#14 - 11/21/2023 01:00 AM - Vladan Cvejic**

- Discuss in Upcoming Meeting changed from No to Yes

**#15 - 11/21/2023 08:49 AM - Vladan Cvejic**

- Proposal descriptions updated

- Standard(s) changed from IEC 61850-90-4 to TR IEC 61850-7-500

- Assigned TF 61850-7-500 Ed2 added

Rerouted to 7-500 TF (copy).

**#16 - 11/21/2023 08:49 AM - Vladan Cvejic**

- Copied to IEC61850-7-5 #6607: Create DO indicating the source of synchronisation added

**#17 - 11/21/2023 08:49 AM - Vladan Cvejic**

- Discuss in Upcoming Meeting changed from Yes to No