

## IEC 61850 User Feedback Task Force - Feature #463

### GOOSE suscription: managing data types in datasets

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

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> High	<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>To discuss in WG10:</b>
<b>ID:</b> 20	<b>Short Proposal:</b> Implementations shall support the configuration and subscription of a DataSet that contains any of the basic dataTypes defined in IEC 61850-7-2. Additionally, DataSets configuration/subscription shall be allowed for FCDAs whose semantics the IED does not understand. However, in this case, the IED shall not be required to take action on the FCDA. Subscribed basic DataTypes whose conversion to internal representation does not support the full range of allowed values (e.g. INT64 to INT32 --full range) shall not be allowed to be defined as an extRef. We have to revise the PICS to expose the information.
<b>Source:</b> IOP_2013	<b>Standard(s):</b> IEC 61850-6
<b>TF Unique ID:</b> 20 # IOP_2013	<b>Needs More Information:</b>
<b>WG10 Proposal:</b> According to Cathedral City meeting (ref. to UFTF-CathedralMOM20160219) this issue is closed.	<b>Assigned TF:</b>
<b>Estimated Completion:</b>	
<b>Discuss in Upcoming Meeting:</b> No	
<b>Description</b>	
During GOOSE testing, an SCL GOCB was properly configured. However, the importer refused the file since some of the dataTypes of the DataSet members were not natively processed by the IED.	
Also, During GOOSE testing, GOOSE messages were being transmitted and received. However, some of the DataSet member data could not be processed or displayed.	
There is no mechanism to declare what data types are supported within SCL. A subset of mandatory supported data types needs to be defined or all data types need to be supported.	

#### History

##### #1 - 02/03/2021 04:00 PM - Herbert Falk

- Priority changed from Normal to High

##### #2 - 02/05/2021 07:04 AM - Carlos Rodriguez del Castillo

- Status changed from New to Closed

- Short Proposal changed from Implementations shall support the configuration and subscription of a DataSet that contains any of the basic dataTypes defined in IEC 61850-7-2. Additionally, DataSets configuration/subscription shall be allowed for FCDAs whose semantics the IED does not understand. However, in this case, the IED shall not be required to take action on the FCDA. Subscribed basic DataTypes whose conversion to internal representation does not support the full range of allowed values (e.g. INT64 to INT32 --full range) shall not be allowed to be defined as an extRef. We have to revise the PICS to expose the information.

to Implementations shall support the configuration and subscription of a DataSet that contains any of the basic dataTypes defined in IEC 61850-7-2. Additionally, DataSets configuration/subscription shall be allowed for FCDAs whose semantics the IED does not understand. However, in this case,

*the IED shall not be required to take action on the FCDA. Subscribed basic DataTypes whose conversion to internal representation does not support the full range of allowed values (e.g. INT64 to INT32 --full range) shall not be allowed to be defined as an extRef. We have to revise the PICS to expose the information.*

**#3 - 02/09/2021 06:11 AM - Carlos Rodriguez del Castillo**

*- Subject changed from During GOOSE testing, an SCL GOCB was properly configured. However, the importer refused the file since some of the DataTypes of to GOOSE suscription: managing data types in datasets*

**#4 - 02/11/2021 05:48 AM - Carlos Rodriguez del Castillo**

*- Description updated*

*- Standard(s) set to IEC 61850-6*

*- Discuss in Upcoming Meeting set to No*

**#5 - 02/11/2021 05:56 AM - Carlos Rodriguez del Castillo**

*- Tracker changed from Bug to Feature*

Checking done.