

Server - Issues #657

Publish/subscribe enum with negative value

03/19/2021 03:33 AM - Richard Schimmel

Status:	Closed	Due date:	03/07/2023
Priority:	Low		
Assignee:	Richard Schimmel		
Category:			
Target version:			
Discuss in Upcoming Meeting:	No	Updated Test Document:	TP1.3
Clause Reference:	Part 8 Clause 8.1.2.2	Test Case ID:	sGos9
61850 Standard:	8-1	Closed Reason:	--Not Set--
Triggering Tissue:		Triggering Tissue 2:	
Final Decision:		Triggering Tissue 3:	
Initial Test Document:			
Description			
Item 7 from Christophe Camelis list;			
Related issues:			
Related to Server - Issues #656: Publish/subscribe enum with value > 127			Closed 03/07/2023

History

#1 - 03/24/2021 12:09 PM - Thierry Dufaure

I do not understand the problem. A hint would be helpful here Richard.

#2 - 03/30/2021 08:20 AM - Richard Schimmel

- Clause Reference set to Part 8 Clause 8.1.2.2

Clause 8.1.2.2 states: "Enumerated values outside the standardized range but within the MMS integer size shall be assumed to be value extensions and shall not cause a protocol error".

So we have to add this to the conformance test

#3 - 03/30/2021 08:32 AM - Joel Greene

Richard's reference follows:

The size of the MMS data type shall be the minimum size required to contain the maximum standardized value.

The size of the integer is 8 bits for all currently published enumerations.

#4 - 04/20/2021 09:22 AM - Thierry Dufaure

I think this is good to test that negative enumeration does not cause trouble with the subscribers.

Nevertheless, I do not see the use case where there are more negative values than positive ones - in other words, the smallest negative value forces the size of the enumeration requires a INT16.

#5 - 07/26/2022 08:44 AM - Joel Greene

- Assignee set to Richard Schimmel

- Priority changed from Normal to Low

Richard to draft test case, probably same as 656.

#6 - 07/26/2022 08:44 AM - Joel Greene

- Related to Issues #656: Publish/subscribe enum with value > 127 added

#7 - 08/09/2022 08:38 AM - IEC 61850 TPWG

- Due date set to 10/04/2022

- Status changed from New to In Progress

#8 - 01/09/2023 08:22 AM - Richard Schimmel

- Test Case ID set to sGos9

Solution added to [#656](#)

#9 - 01/10/2023 02:26 AM - Thierry Dufaure

The issue is not only for the scope of fixed-length GOOSE tests, but also for BER-encoded GOOSE tests.

Additionally, the test procedure shall indicate that the EnumType in the SCD is indicating ord values that are negative, or bigger than 129,...

#10 - 01/24/2023 08:42 AM - IEC 61850 TPWG

- Due date changed from 10/04/2022 to 02/07/2023

#11 - 02/07/2023 08:25 AM - IEC 61850 TPWG

- Due date changed from 02/07/2023 to 02/21/2023

#12 - 02/21/2023 08:20 AM - IEC 61850 TPWG

- Due date changed from 02/21/2023 to 03/07/2023

#13 - 03/21/2023 08:09 AM - IEC 61850 TPWG

- Status changed from In Progress to Resolved

#14 - 03/01/2024 09:49 AM - Richard Schimmel

- Status changed from Resolved to Closed

- Updated Test Document set to TP1.3