

Server - Issues #5356

PIXIT entries mandated by 61850-8-1 but missing in PIXIT

05/05/2022 02:07 PM - Bruce Muschlitz

Status: Resolved	Due date:
Priority: Normal	
Assignee:	
Category:	
Target version:	
Discuss in Upcoming Meeting: No	Updated Test Document: Server Ed2.1 TP1.3
Clause Reference: 18.1.1.1.1 ; 25.3.2 ; J.3.3.1.2	Test Case ID:
61850 Standard: 8-1	Closed Reason: Test Procedure Update
Triggering Tissue:	Triggering Tissue 2:
Final Decision:	Triggering Tissue 3:
Initial Test Document: UCATestProceduresServer61850-8-1Ed2Amd1_Rev1p1	

Description

61850-8-1 requires specific PIXIT entries but 3 are missing from current PIXIT.

1. Clause 18.1.1.1.1:

MaxTime

This MMS component shall be as configured in SCL by the scl.tGSE.MaxTime attribute; it configures the maximum repetition time in ms used in the published GOOSE messages. The PIXIT shall document the minimum MaxTime supported by the implementation; the maximum MaxTime is per standard defined by the value of sixty (60) seconds.

2. Clause 25.3.2:

There shall be a scl.GSE element for each fully configured layer 2 scl.GSEControl within an SCD file, where it shall include the P elements specified in Table 163, as well as the configured elements scl.tGSE.MinTime and scl.tGSE.MaxTime. All of them except scl.tGSE.MinTime shall be modifiable by the SCT; scl.tGSE.MinTime may be modifiable by the SCT based on a PIXIT entry. The absence of a scl.GSE for an ICT preconfigured scl.GSEControl indicates that the GoCB is disabled within the SCD. The value exposed in the GoCB dstAddr.Addr shall be the NULL octet string

3. Clause J.3.3.1.2:

The Time to Live parameter shall be set to a value of thirty-two(32), or greater, to allow the routing of the UDP/IP packets. The value of 255 shall not be used. The value shall be specified in the implementation's PIXIT.

For item 1 suggest new Gp10 PIXIT entry

For item 2 suggest to modify existing PIXIT Gp5 (and also clarify existing description of minimum MinTime)

For item 3 suggest new Gp11 PIXIT entry

Attach "New_PIXIT_20220505.docx" has change-tracked version

History

#1 - 06/02/2022 03:02 PM - Bruce Muschlitz

- Status changed from New to Resolved
- Discuss in Upcoming Meeting changed from Yes to No
- Updated Test Document set to Server Ed2.1 TP1.3
- Closed Reason Test Procedure Update added
- Closed Reason deleted (--Not Set--)

Files

New_PIXIT_20220505.docx

14.2 KB

05/05/2022

Bruce Muschlitz