IEC 61850 User Feedback Task Force - Support #513

HSR and PRP are redundancy protocols. In order to prevent a single point of failure, many people are considering 2 red boxes

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

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
ID:	28		**To discuss in WG10:**	No
Source:	IOP_2015		**Short Proposal:**	Kalki needs to check its configuration and investigate.Need to fix 61850-90-12 to enunciate the issue. Need to refer to IEEE 802.1cd for the development of a standard to fix the issue.
TF Unique ID:	28 # IOP_2015		**Standard(s):**	90-4
WG10 Proposal:	Wait for advice from TC65 to possibly add comment on the 90-4 (Laurent, Patrick W., Herb)To be checked with Herb whether it is assigned during the next IOP2017CRC to check 90-4 ed.2		**Needs More Information:**	
Estimated Completion:	Ask C.B.		**Assigned TF:**	
Discuss in Upcoming Meeting:	No			

Description

HSR and PRP are redundancy protocols.
In order to prevent a single point of failure, many people are considering 2 red boxes to connect from HSR/PRP to RSTP.

Results in RSTP and HSR/PRP network instability. In the case of HSR, network saturation occurred almost immediately.

11 MB/s = 88 Megabits/sec of a 100 Mb network. The bandwidth restriction of HSR actually saved the RSTP network.

History

#1 - 02/03/2021 02:10 PM - Herbert Falk

- Subject changed from HSR and PRP are redundancy protocols.
In order to prevent a single point of failure, many people are considering 2 red boxes to HSR and PRP are redundancy protocols. In order to prevent a single point of failure, many people are considering 2 red boxes

- Short Proposal changed from Kalki needs to check its configuration and investigate.
Need to fix 61850-90-12 to enunciate the issue. Need to refer to IEEE 802.1cd for the development of a standard to fix the issue. to Kalki needs to check its configuration and investigate.Need to fix 61850-90-12 to enunciate the issue. Need to refer to IEEE 802.1cd for the development of a standard to fix the issue.

- WG10 Proposal changed from Wait for advice from TC65 to possibly add comment on the 90-4 (Laurent, Patrick W., Herb)

To be checked with Herb whether it is assigned during the next IOP2017
CRC to check 90-4 ed.2 to Wait for advice from TC65 to possibly add comment on the 90-4 (Laurent, Patrick W., Herb)To be checked with Herb whether it is assigned during the next IOP2017CRC to check 90-4 ed.2

Ask Hubert about 62439-3 and 90-4

#2 - 06/21/2022 09:09 AM - Carlos Rodriguez del Castillo

- Status changed from New to Closed

- Discuss in Upcoming Meeting set to No

- To discuss in WG10 set to No

It is an IEEE issue.