

## IEC 61850 User Feedback Task Force - Support #527

### Regarding the Network infrastructure:

Some MU/SAMU cannot configure their SV stream to different VLAN ID , fixed to 0 (but can c

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

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>To discuss in WG10:</b>	
<b>ID:</b>	8	<b>Short Proposal:</b>	For GOOSE and SV, configurability of VLAN is stated into (wait for Vladan notes)... Standard shall provide configurability of VLAN for SV (it shall refer to 8-1 Ed2.1 is not stated in 9-2). For GOOSE it is stated in 8-1 Ed2.1. In the product standard for MU (61869-9) it is stated that VID parameter configuration range is from 0-4095 i.e. it is configurable.  Update Testing Procedures. Send to user feedback TF for further discussion.  Solution must consider Layer 3 multicast.
<b>Source:</b>	IOP_2017/10	<b>Standard(s):</b>	
<b>TF Unique ID:</b>	8 # IOP_2017/10	<b>Needs More Information:</b>	
<b>WG10 Proposal:</b>	To be discussed in between 8-1 and 9-2 editors  (20180613) For GOOSE and SV, configurability of VLAN is stated in 8-1 Ed2.1. Standard 61850-9-2 shall also provide mandatory configurability of VLAN for SV (it shall refer to 8-1 Ed2.1). In the product standard for MU (61869-9) it is stated that VID parameter configuration range is from 0-4095 i.e. it is configurable. Update Testing Procedures. Send to user feedback TF for further discussion. Solution must consider Layer 3 multicast. 19-01-23: (B. Muschlitz) Layer 3 is not considered by UCA TF because it is decided to test according to 61869-9 that is not taking into account R-SV (yet)	<b>Assigned TF:</b>	
<b>Estimated Completion:</b>	Standard IEC 61850-9-2 to be updated (IS editor Frederic Leconte). 19-01-23: update confirmed.  UCAlug -Testing committee will adopt tests for 61869-9 for this purpose (Bruce Muschlitz) 19-01-23: release in Q1 2019.		
<b>Discuss in Upcoming Meeting:</b>			

## Description

Regarding the Network infrastructure:

Some MU/SAMU cannot configure their SV stream to different VLAN ID , fixed to 0 (but can configure Priority)

Some MU/SAMU only send SV without VLAN tag

Should we state that each SV publisher have to be configurable in terms of VLAN to fit every project needs (every infrastructure network)?

Should we be able to declare it in the capabilities of the device (send VLAN tag, configure this VLAN tag (ID, priority) )?

Switches in general don't have the same way (by default) to handle VLAN 0 tagged packets. Two different switches implementation on substation 1 setup has to handle the problem in 2 different ways. Is it suitable?

(Same for GOOSE)

## History

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**#1 - 06/21/2022 09:13 AM - Carlos Rodriguez del Castillo**

- *Status changed from New to Closed*

Confirm to IEC 61850-6 editor that this issue has been accounted for.