61850-7-5 and 61850-7-500 - IEC61850-7-5 #6405

Schedules - allow updates to single values while schedules are running

06/20/2023 08:35 AM - Vladan Cvejic

Status:	New	**Start date:**	03/02/2022
Priority:	Normal	**Due date:**	09/02/2022
Assignee:		**% Done:**	0%
Category:			
Target version:			
Source:		**TF 7-5 Project document:**	
Category:	Not yet categorized	**Related TISSUE:**	

Description

Context: how to use IEC 61850 for DER and microgrids (IEC 61850-90-23 CD1).

IEC 61850-7-4 prescribes that schedules may only be updated whilst they are offline. This is a conservative approach that allows for validation of all the settings to ensure consistency before re-starting i.e. evaluating the schedule output.
There are two approaches:
1. Stop the running schedule; change it, restart
2. Write to another schedule with a higher priority and start that; stop the original schedule; change it, restart it; stop the second schedule.

This approach is unnecessarily complex for some cases. A common use case is to update a schedule for one or more periods in the future. In these cases, updating individual schedule values will not affect the current schedule output, so there is no need to require the schedule to be deactivated and reactivated.

See also #3098

Related issues:

Copied from IEC 61850 User Feedback Task Force - Improvement #5323: Schedules...	**Resolved**	**03/02/2022**	**09/02/2022**

History

#1 - 06/20/2023 08:35 AM - Vladan Cvejic

- Copied from Improvement #5323: Schedules - allow updates to single values while schedules are running added