

Server - Issues #7209

TISSUE 1845 SwModKey seems to overwrite the CheckCondition.interlockCheck

05/15/2025 11:25 AM - IEC 61850 TPWG

Status:	In Progress	Due date:	06/03/2025
Priority:	Normal		
Assignee:	Richard Schimmel		
Category:			
Target version:			
Discuss in Upcoming Meeting:	No	Updated Test Document:	
Clause Reference:		Test Case ID:	sCtl7
61850 Standard:	7-4	Closed Reason:	--Not Set--
Triggering Tissue:	https://iec61850.tissue-db.com/tissues/1845	Triggering Tissue 2:	
Final Decision:		Triggering Tissue 3:	
Initial Test Document:	TP1.3		
Description			

History

#1 - 05/27/2025 06:13 AM - Richard Schimmel

- Status changed from New to In Progress
- 61850 Standard 7-4 added

The tissue proposal= SwModKey is solely impacting check conditions for local operation.
Is it possible to have a local operation over the 61850 interface with orCat=1? sCtl16 PIXIT entry Ct29 states: *Does the IED allow control with orCat=1 or 4 over the communication*

When Ct29=Y the SwModKey shall allow/prohibit local operation over the communication. We may add a new conditional control test case.

#2 - 05/27/2025 08:50 AM - IEC 61850 TPWG

- Due date set to 06/03/2025
- Assignee set to Richard Schimmel

When present, Repeat sCtl7, using orCat=2 or 3, with SwModKey = true and false and verify same result.

#3 - 05/28/2025 06:16 AM - Richard Schimmel

- File Solution to redmine 7209 sCtl7 SwModKwy.docx added
- Initial Test Document set to TP1.3
- Test Case ID set to sCtl7

See solution:
The SwModKey is intended to bypass the interlock conditions for local control (typically via the display on the IED). Considering there is no Check conditions for the local/display control the SwModKey will indicate if the interlock check shall be performed or 'bypassed'.

Proposal:
Update sCtl7 to verify that SwModKey has NO impact on the Operate() service from the remote/station level (orCat=2 or 3). The expected result shall be exactly the same.

Files

Solution to redmine 7209 sCtl7 SwModKwy.docx	60.8 KB	05/28/2025	Richard Schimmel
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