## **UUT Report**

IT-W-7303101 **Station ID:** 

NONE **Serial Number:** 

Date: mercoledì 8 novembre 2023

Time: 08:16:41 **Operator:** administrator

**Execution Time:** 2962.8710109 seconds

**Number of Results:** 1228 **UUT Result: Failed Product: ARI-30 Product type: ARI-30** 

Comm type: COMM1\_RS485 **Product FW Version:** 56010807 **Comm FW Version:** 56010000

**Failure Chain:** 

Step	Sequence	Sequence File
Meneuvre power fail test	Modbus Register check	General_test.seq
Modbus Register check	MainSequence	General_test.seq

**Begin Sequence: MainSequence** 

(C:\Users\ITLUBAR5\ABB\LABRND VITTUONE - LabRnD\_Shared\TestStand\Sequences\MOD\General\_test.seq)

Double_trip_ARI_blocked		
Status:	Skipped	
Simultaneous trip_open		
Status:	Skipped	
General and Architecture and LED		
Status:	Skipped	
Input-Output		
	Skipped	
	Skipped	
Status: Power Outage	Skipped Skipped	
Status: Power Outage		

Modbus Register check		
Status:	Failed	
Module Time:	2949.9486724	

Begin Sequence: Modbus Register check (C:\Users\ITLUBAR5\ABB\LABRND VITTUONE - LabRnD\_Shared\TestStand\Sequences\MOD\General\_test.seq)

nternal communication failure	
Status: Done	
Register Value:	OK
Additional Results	
Status:	Done
PopupString:	Check that the remote opening via modbus worked.

Status:	Passed
Additional Results	
Status:	Done
PopupString:	Check that the remote closing via modbus worked.
Status:	Passed

Additional I	Results
Status:	Done
	Check that the remote closing via modbus has not worked due to closing command but for autoreclosing procedure.
Status:	Passed
Additional I	Results
	Done
	Check that the remote closing via modbus has not worked.
	Passed
input	
	Done
	Disable
Value:	
Pass/Fail Te	est
Status:	Passed
Communica	ation
	Done
Register	Disable
Value:	
Pass/Fail Te	
Status:	Passed
Additional I	Results
Status:	Done
	Check that the remote closing via input has not worked.
Status:	Passed
Additional I	Results
	Done
	Check that the remote closing via modbus has not worked.
Status:	Passed
Additional I	Results
	Done
	Check that the remote closing via input has not worked.
Status:	Passed Passed
Additional I	
	Done
	Check that the remote closing via modbus has not worked.
Status:	Passed Pa
input	
	Done State Control of the Control of
Register Value:	Disable Control of the Control of th
Pass/Fail Te	ost
	Passed
Communica	
	Done
	Disable

Value:	
Pass/Fail Te	
	Passed
Additional I	
	Done
	Check that the remote opening via input has not worked.
	Passed
Additional I	
	Done
	Check that the remote opening via modbus has not worked.
	Passed
Additional I	Results
	Done
	Check that the remote opening via input has not worked.
Status:	Passed
Additional I	Results
	Done
PopupString:	Check that the remote opening via modbus has not worked.
Status:	Passed
input	
Status:	Done
Register Value:	Enable
Pass/Fail Te	est est
	Passed
Additional I	Results
	Done
PopupString:	Check that the remote closing via modbus has not worked.
Status:	Passed
Additional I	Results
Status:	Done
	Check that the remote closing via input worked.
Status:	Passed
Additional I	Results
Status:	ACSUICS
	Done
PopupString:	Done Check that the remote opening via modbus has not worked.
PopupString: Status:	Done Check that the remote opening via modbus has not worked. Passed
PopupString: Status: Additional	Done Check that the remote opening via modbus has not worked.  Passed  Results
PopupString: Status:  Additional Status:	Done Check that the remote opening via modbus has not worked.  Passed  Results  Done
PopupString: Status:  Additional Status: PopupString:	Done Check that the remote opening via modbus has not worked. Passed  Results  Done Check that the remote opening via input worked.
PopupString: Status:  Additional Status: PopupString: Status:	Done Check that the remote opening via modbus has not worked.  Passed  Results Done Check that the remote opening via input worked.  Passed  Passed
PopupString: Status:  Additional I Status: PopupString: Status: Communica	Done Check that the remote opening via modbus has not worked.  Passed  Results Done Check that the remote opening via input worked.  Passed  Ation
PopupString: Status:  Additional   Status: PopupString: Status: Communication	Done Check that the remote opening via modbus has not worked. Passed  Results Done Check that the remote opening via input worked. Passed  Passed  Check that the remote opening via input worked. Passed  Done  Done  Done
PopupString: Status:  Additional Status: PopupString: Status: Communication Status: Register Value:	Done Check that the remote opening via modbus has not worked.  Passed  Results Done Check that the remote opening via input worked.  Passed  ation Done  Enable
PopupString: Status:  Additional   Status: PopupString: Status:  Communication Status: Register Value:  Pass/Fail Te	Done Check that the remote opening via modbus has not worked.  Passed  Results Done Check that the remote opening via input worked.  Passed  Ation Enable  Enable
PopupString: Status: Additional Status: PopupString: Status: Communication Status: Register Value: Pass/Fail Te	Done Check that the remote opening via modbus has not worked.  Passed  Results Done Check that the remote opening via input worked.  Passed  ation Done  Enable
PopupString: Status: Additional Status: PopupString: Status: Communication Status: Register Value: Pass/Fail Te	Done Check that the remote opening via modbus has not worked.  Passed  Results  Done Check that the remote opening via input worked.  Passed  Action Done Enable  Passed  Passed
PopupString: Status: Additional   Status: PopupString: Status: Communica Status: Register Value: Pass/Fail Testatus: Additional   Status:	Done Check that the remote opening via modbus has not worked.  Results Done Check that the remote opening via input worked.  Results Done Check that the remote opening via input worked.  Ressed action Done Enable Enable Enable  Results Done Enable  Results Done Results Done
PopupString: Status: Additional Status: PopupString: Status: Communication Status: Register Value: Pass/Fail Testatus: Additional Status: PopupString:	Done Check that the remote opening via modbus has not worked. Passed  Results Done Check that the remote opening via input worked. Passed  Check that the remote opening via input worked. Passed  ation Done Enable  Enable  Results  Results  Results

Additional I	Results
Status:	Done
PopupString:	Check that the remote closing and opening via modbus worked.
Status:	Passed
Additional I	Results
Status:	Done
PopupString:	Check that the remote closing via input has not worked.
Status:	Passed
Additional I	Results
Status:	Done
	Check that the remote closing via modbus worked.
Status:	Passed
Additional I	
	Done
	Check that the remote opening via input has not worked.
Status:	Passed
Additional I	
	Done Charly that the property and a project via good horse worked.
	Check that the remote opening via modbus worked.  Passed
Reclosing a	
Status: Register	Done 2
Value:	
Waiting tim	ne among reclosing
	Done
Register Value:	30
Neutralizat	ion time
	Done
Register	12
Value:	
Additional I	
	Done
	Check that the ARI entered the Lock state with the prefixed settings.
Status:	Passed
Reclosing a	
	Done F
Register Value:	5
Test Update	e Reclosing attempts
Status:	Passed
Waiting tim	ne among reclosing
	Done
Register Value:	5
Test Update	e Time among reclosing
Status:	Passed
Neutralizat	ion time
	Done
Register Value:	45
Value:	

Test Updat	te Neutralization time
Status:	Passed
Additional	Results
Status:	Done
PopupString	Check that the ARI entered the Lock state with the new settings.
Status:	Passed
Additional	Results
Status:	Done
PopupString	Check that the ARI entered the Lock state with the new settings.
Status:	Passed
Additional	Results
Status:	Done
PopupString	Check with modbus poll that the maximum settable value of the neutralization time and waiting time before reclosing is 300 and the maximum number of reclosing attempts is 10.
Status:	Passed
Status Bre	aker
Status:	Done
Register Value:	Open
Test Statu	s Breaker
Status:	Passed
Status Bre	eaker
Status:	Done
Register Value:	Open
Test Statu	s Breaker
Status:	Passed
Status Bre	eaker
Status:	Done
Register Value:	Close
Test Statu	s Breaker
Status:	Passed
Status Bre	eaker
Status:	Done
Register Value:	Close
Test Statu	s Breaker
Status:	Passed

Status Breaker		
Status:	Done	
Register Value:	Open	
Test Status Breaker		
Status:	Passed	
Status Breaker		
Status Breaker Status:	Done	
	Done Open	
Status:		

Tripped
---------

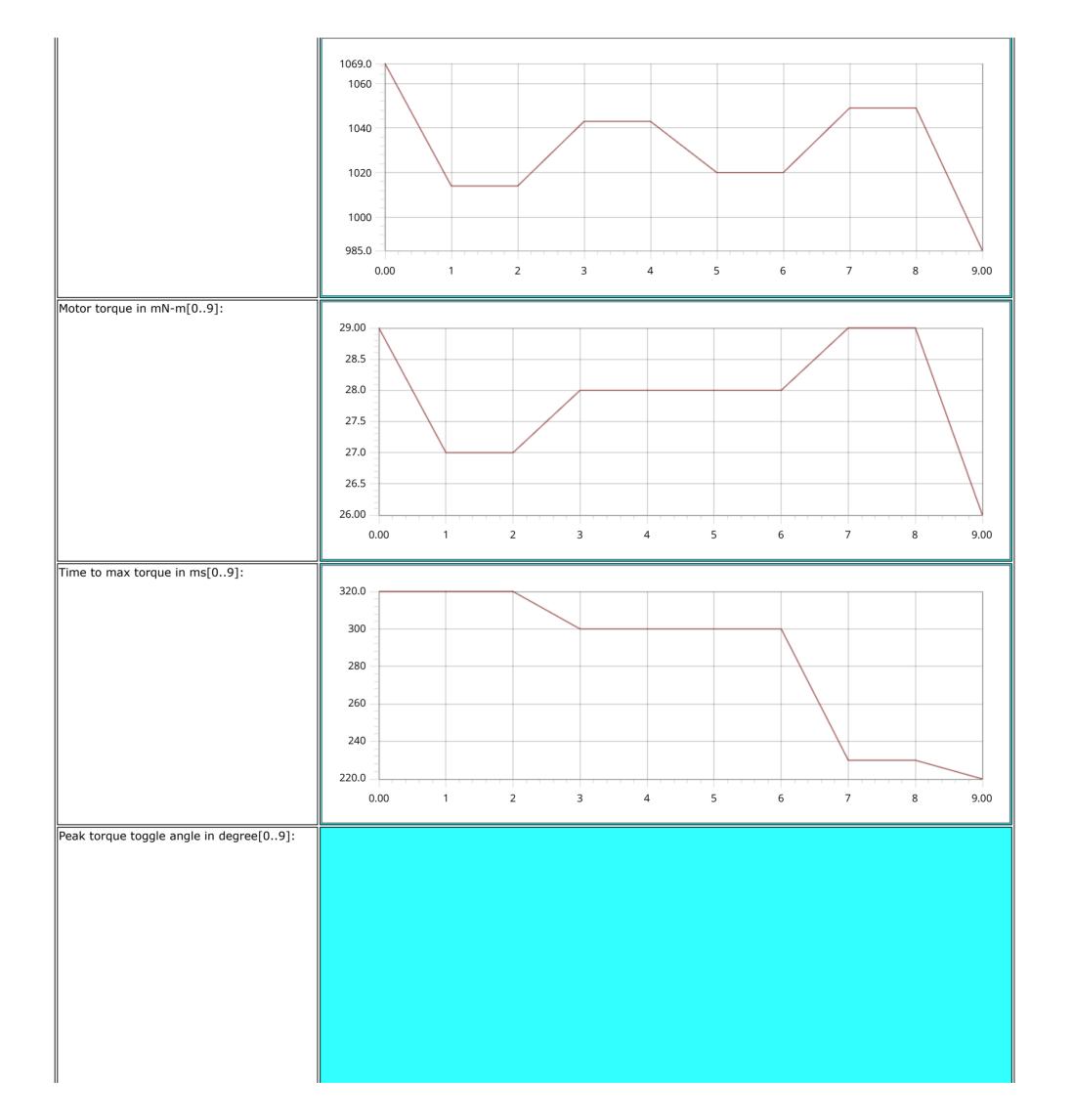
Status:	Done	
Register Value:	No Trip	
Test Tripped		
Status:	Passed	

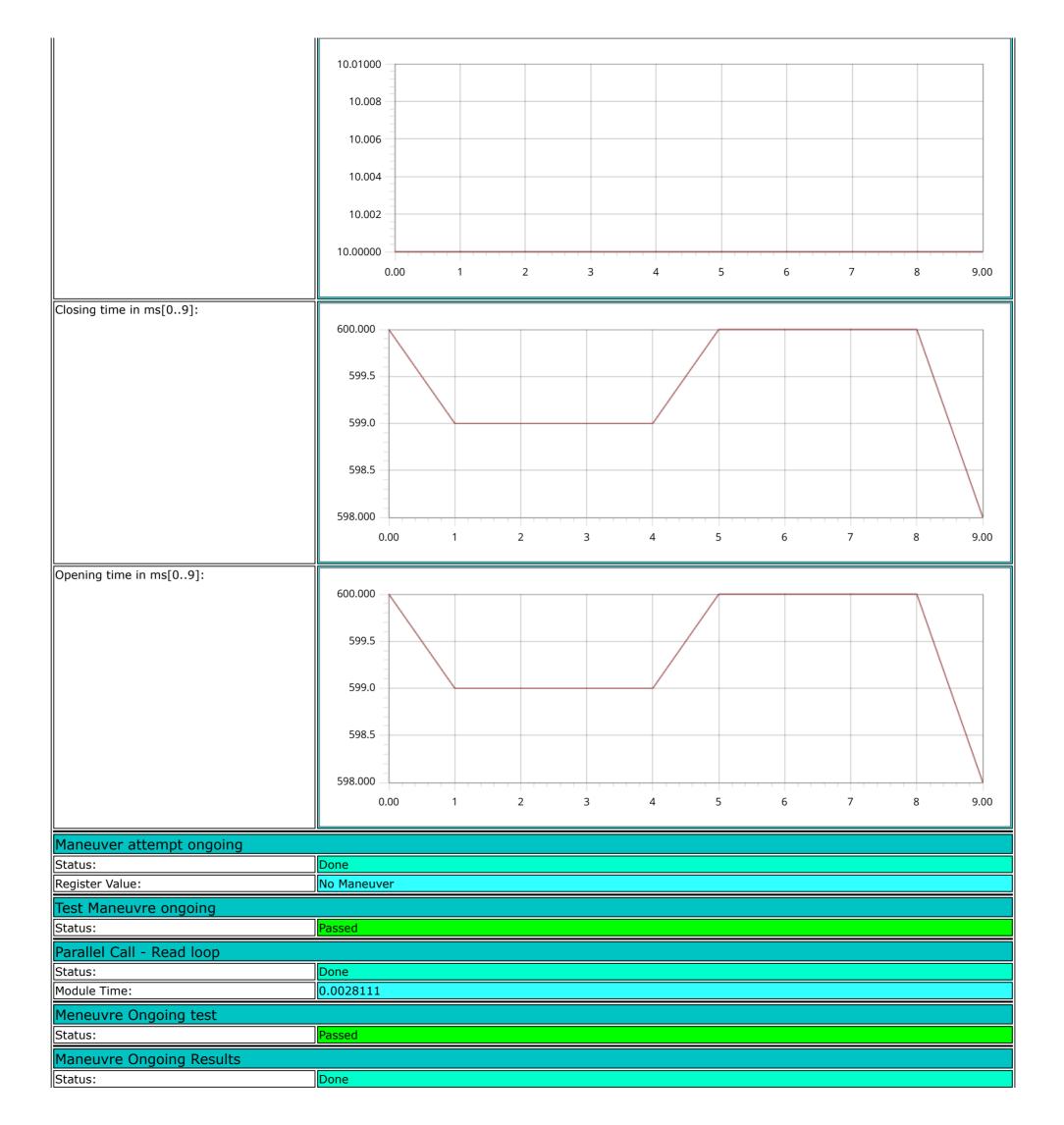
Tripped		
	Done	
Register Value:	Trip	
Test Tripped		
Status:	Passed	
Tripped		
	Done	
Register Value:	Trip	
Test Tripped		
Status:	Passed	
Tripped		
Status:	Done	
Register Value:	Trip	
Test Tripped		
Status:	Passed	

Tripped		
Status:	Done	
Register Value:	No Trip	
Test Tripped		
Status:	Passed	

TIME Tripped		
Status:	Done	
Time Tripped before:	000101000000	
TIME Tripped		
Status:	Done	
Time Tripped after:	000101000010	
Time tripped check		
Status:	Passed	

atus:	Done	
eak current in mA[09]:		





Value of the register before the first shange.	No Manager		
Value of the register before the first change:	No Maneuver		
Value of the register after the first change:	Maneuver ongoing		
Number of changes:			
Maneuver attempt ongoing			
Status:	Done		
Register Value:	No Maneuver		
Test Maneuvre ongoing			
Status:	Passed		
Parallel Call - Read loop			
Status:	Done		
Module Time:	0.0050057		
Meneuvre Ongoing test			
Status:	Passed		
Maneuvre Ongoing Results	Dono		
Status:  Value of the register before the first change:	Done No Maneuver		
Value of the register before the first change:	Maneuver ongoing		
Number of changes:	naneuver ongoing		
Maneuver attempt ongoing			
Status:	Done Control of the C		
Register Value:	No Maneuver		
Test Maneuvre ongoing			
Status:	Passed		
Total Number of maneuvre			
Status:	Done		
Register Value:	77		
Total Number of closing maneuvre			
Status:	Done		
Register Value:	54		
Total Number of maneuver			
Status:	Done		
Register Value:	97		
Test total number maneuvre			
Status:	Passed		
	Total Number of closing maneuver		
Status:	Done Control C		
Register Value:	64		
Test total number closing	Test total number closing		
Status:	Passed		

Total Number of maneuvre		
Status:	Done	
Register Value:	97	
Total Number of closing maneuvre		
Status:	Done	
Register Value:	64	
Total Number of maneuver		
Status:	Done	
Register Value:	107	

Test total number maneuvre		
Status:	Passed	
Measurement:	107	
Limits:		
Low:	107	
Comparison Type:	EQ (==)	
Total Number of closing maneuver		
Status:	Done	
Register Value:	74	
Test total number closing		
Status:	Passed	
Measurement:	74	
Limits:		
Low:	74	
Comparison Type:	EQ (==)	

Companson Type.	LQ ()
Output 1	
Status:	Done
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
Status:	Done
Register Value:	Not Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
Register Value:	MOD lever close
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
Status:	Done
Register Value:	Active
Test Input 1	

Status:	Passed
Input 2	
	Done
Register Value:	Not Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
Register Value:	MOD lever open
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
	Done
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
	Done
Register Value:	Active
Test Input 2	
Status:	Passed
Output 1	
Status:	Done
Register Value:	MOD lever open
Test Output1	
	Passed
Output 2	
	Done
Register Value:	Lock-out state not-active

Test output 2	
Status:	Passed

Input 1	
Status:	Done
Register Value:	Not Active
Test Input 1	
Status:	Passed
Input 2	
	Done
Status:	Done Not Active
Status:	

Output 1		
Status:	Done	
Register Value:	MOD lever open	
Test Output1		
Status:	Passed	
Output 2		
Status:	Done	
Register Value:	Lock state	
Test output 2		
Status:	Passed	
Input 1		
Status:	Done	
Register Value:	Not Active	
Test Input 1		
Status:	Passed	
Input 2		
Status:	Done	
Register Value:	Not Active	
Test Input 2		
Status:	Passed	

Output 1	
Status:	Done
Register Value:	MOD lever close
Test Output1	
Status:	Passed
Output 2	
Status:	Done
Register Value:	Lock-out state not-active
Test output 2	
Status:	Passed
Input 1	
	Done
	Done Not Active
Status:	
Status: Register Value: Test Input 1	
Status: Register Value: Test Input 1	Not Active
Status: Register Value:  Test Input 1 Status: Input 2	Not Active
Status: Register Value:  Test Input 1 Status: Input 2	Not Active  Passed
Status: Register Value: Test Input 1 Status: Input 2 Status:	Passed  Done
Status: Register Value:  Test Input 1 Status: Input 2 Status: Register Value: Test Input 2	Passed  Done

TIME Power Fail	
Status:	Done
Time Power Fail before:	000101000312
TIME Power Fail	
Status:	Done
Time Power Fail after:	000101001446
Time power fail	

Status: Passed

LAST DEMANDED COMMAND FAILED PF	
Status:	Done
Register Value:	All command completed
Test last demanded command	
Status:	Passed
LAST DEMANDED COMMAND FAILED PF	
Status:	Done
Register Value:	All command completed
Test last demanded command	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0056995
Meneuvre power fail test	
Status:	Passed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0018502
Meneuvre power fail test	
Status:	Passed
Meneuvre power fail test	
Status:	Failed
Parallel Call - Read loop power fail	
Status:	Done
Module Time:	0.0016463
Meneuvre power fail test	
Status:	Failed

Diagnostic register	
Status:	Done
Register Value:	2
Pass/Fail Test	
Status:	Passed
Diagnostic register	
Status:	Done
Register Value:	1
Pass/Fail Test	
Status:	Passed

Diagnostic register		
Status:	Done	
Register Value:	2	
Pass/Fail Test		
Status:	Passed	
Diagnostic register		
Status:	Done	
Register Value:	8	

Pass/Fail Test		
Status:	Passed	
Diagnostic register		
Status:	Done	
Register Value:	4	
Pass/Fail Test		
Status:	Passed	

Done		
Register Value: ARI-30  Product type number ID COMM  Status: Done Register Value: COMM1 RS485  Product Type MOD  Status: Done Product Type MOD: ARI 30999999999999999999999999999999999999	11	
Product type number ID COMM		
Satus:   Done	Register Value:	ARI-30
Register Value:   COMM1_RS485	Product type number ID COMM	
Product Type MOD   Done   Product Type MOD:	Status:	Done
Done	Register Value:	COMM1_RS485
Done	Product Type MOD	
Product Type COMM   Status:   Done		Done
Status:   Done	Product Type MOD:	ARI_30ÿÿÿÿÿÿÿÿÿ
Status:   Done	Product Type COMM	
Serial Number MOD		Done
Status: Done Serial Number MOD: 'yÿÿÿÿ  Serial Number COMM  Status: Done Serial Number COMM: 'ÿÿÿÿÿ  FW Version MOD  Status: Done FW Version MOD: VT  FW Version COMM  Status: Done FW Version COMM  Status: Done FW Version COMM: VT  Modbus RTU parameter Slave Address  Status: Done Register Value: Done	Product Type COMM:	COMM1_RS485
Serial Number MOD:  Serial Number COMM  Status:  Done  Serial Number COMM:  Vijyyyy  FW Version MOD  Status:  Done  FW Version MOD:  FW Version MOD:  FW Version COMM  Status:  Done  FW Version COMM  Status:  Done  FW Version COMM  Status:  Done  FW Version COMM:  Modbus RTU parameter Slave Address  Status:  Done  Register Value:  I  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  Done  Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  Done  Register Value:  Done  Register Value:  Done  Register Value:  Done	Serial Number MOD	
Serial Number COMM  Status:  Serial Number COMM:  Serial Number COMM:  Serial Number COMM:  Status:  FW Version MOD  Status:  Done  FW Version MOD:  FW Version COMM  Status:  Done  FW Version COMM  Status:  Done  FW Version COMM:  Modbus RTU parameter Slave Address  Status:  Done  Register Value:  In Modbus RTU parameter Baud Rate  Status:  Status:  Done  Register Value:  In Done  Register Value:  In Done  Register Value:  In Done  Register Value:  In Done  Register Value:  Modbus RTU parameter Parity  Status:  In Done  Register Value:  In Done	Status:	Done
Status: Done Serial Number COMM: YYYYYY  FW Version MOD  Status: Done FW Version MOD: Vo  FW Version COMM  Status: Done FW Version COMM  Status: Done FW Version COMM: Vo  Modbus RTU parameter Slave Address  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate	Serial Number MOD:	ўўўўÿ <u> </u>
Serial Number COMM:  FW Version MOD  Status: Done FW Version MOD:  FW Version COMM  Status: Done FW Version COMM  Status: Done FW Version COMM:  Wo  Modbus RTU parameter Slave Address  Status: Done Register Value: Done	Serial Number COMM	
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Status: Done FW Version MOD: V  FW Version COMM  Status: Done FW Version COMM: V  Modbus RTU parameter Slave Address  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 1  Modbus RTU parameter Baud Rate  Status: Done Register Value: 19200  Modbus RTU parameter Parity  Status: Done	Serial Number COMM:	ўўўўў <b>ў</b>
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Status:  FW Version COMM:  Modbus RTU parameter Slave Address  Status:  Done  Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  1  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  Status:  Done  Register Value:  Done	FW Version MOD:	V□
FW Version COMM:  Modbus RTU parameter Slave Address  Status:  Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Status:  Done  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  19200  Modbus RTU parameter Parity  Status:  Done	FW Version COMM	
Modbus RTU parameter Slave Address  Status:  Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  19200  Modbus RTU parameter Parity  Status:  Done	Status:	Done
Status:  Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  Done  Register Value:  19200  Modbus RTU parameter Parity  Status:  Done	FW Version COMM:	V <sub>□</sub>
Register Value:  Modbus RTU parameter Baud Rate  Status:  Done  Register Value:  Modbus RTU parameter Parity  Status:  Done	Modbus RTU parameter Slave Address	
Modbus RTU parameter Baud Rate  Status:  Register Value:  Modbus RTU parameter Parity  Status:  Done  Done	Status:	Done
Status:  Register Value:  Modbus RTU parameter Parity  Status:  Done  Done	Register Value:	1
Register Value:  Modbus RTU parameter Parity  Status:  Done	Modbus RTU parameter Baud Rate	
Modbus RTU parameter Parity Status:  Done	Status:	Done
Status: Done	Register Value:	19200
	Modbus RTU parameter Parity	
Register Value: EVEN	Status:	Done
	Register Value:	EVEN

**End Sequence: Modbus Register check** 

Modbus settings check	
Status:	Skipped
COMM LED & Button	
Status:	Skipped
Firmware Upgrade	

Status: Skipped

**End Sequence: MainSequence** 

## **End UUT Report**