



Schneider Electric
UTIL ZigBee D Plug Adapter Dimmer ZigBee Home
Automation (HA)
Final Report

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PROJECT RESULTS

OVERALL RESULT

PASS

FIELD OF TESTING: ENGINEERING

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PRODUCT UNDER TEST

The following product was tested during this certification:

Product Information	
Date:	9/22/2011
NTS MJO:	
Vendor Name:	Schneider Electric
Vendor Street Address:	Kerry plaza, No 1 Zhongxin Road
City, State:	Shenzhen, GuangDong 518048
Country:	China
Phone Number:	0755-82753666
Contact:	Emily Wang
Product Name:	UTIL ZigBee D Plug Adapter Dimmer
Product Version(s):	FW version: 1.1.0 HW version: 1.0
HA Clusters:	Basic (S), Identify (S), On/Off (S), Level Control (S) Groups (S), Scenes (S)
Type:	Dimmer

EQUIPMENT USED DURING TESTING

The following bench equipment was used in the testing of the product:

Device / Software	Serial Number / Version
Daintree Networks Sensor Network Analyzer	AU02003060 / SNA
NTS HATest test harness + harness firmware	Version 1.03 / ezsp 02, stack 3246 / host 2008.09.22.D

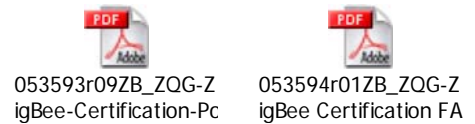
1. EXECUTIVE SUMMARY

National Technical Systems (NTS) has successfully conducted ZigBee “Home Automation” (HA) testing for ZigBee certification on the Schneider Electric’s UTIL ZigBee D Plug Adapter Dimmer (“Schneider’s product”).

The overall objective of the test was to measure the product performance characteristics within the limitations of the given ZigBee product adaptation. Schneider’s product has successfully **PASSED** ZigBee HA Revision 09 testing as outlined by the ZigBee Alliance, as outlined herein.

2. TEST METHODOLOGY

The ZigBee HA Certification process has been formulated and governed by the ZigBee Alliance. Embedded to the right is the official ZigBee Home Automation Certification Policy document and the official certification FAQ document.



As can be seen from the certification policy documentation included above, certification of a ZigBee Home Automation device requires the following:

- Full qualification to ZigBee Home Automation (HA) specification
- Certification of the underlying platform to the ZigBee ZCP (ZigBee Compliant Platform) standard

Testing as outlined in this document only covers the ZigBee HA R09 (Revision 09) test specification. For detailed information on the test methodology, please see the ZigBee Alliance website and review the following documents:

- 053520r26ZB -HA_Profile_Specification.pdf
- 075123r02ZB_AFG-ZigBee_Cluster_Library_Specification.pdf
- 075340r09ZB_ZQG-Home_Automation_Profile_Test_Specification

Note: The ZigBee Alliance has authorized NTS to perform all of the tests required for ZigBee HA certification. Nevertheless, it is the Alliance that issues the Statement of Certification. The role of NTS is limited to execution of tests and delivery of Statements of Qualification (for ZigBee HA) to the Alliance and Schneider Electric. Any requests for errata or acceptances of non-compliant products will need to be made to the ZigBee Alliance Qualification Working Group.

3. SUMMARY OF TESTS CONDUCTED & RESULTS

NTS performed the following tests according to the ZigBee HA specifications:

TC	Test Cases	Mandatory / Optional	Results
	Network		
3.2	DUT as joining device	Mandatory	Pass
3.5	Scan/Rejoin	Mandatory	Pass
3.6	Frequency Agility	Optional	Pass
3.10	End Device Bind Request	Mandatory	PASS
	DRLC		
5.2	On/Off Cluster (Server)	Mandatory	Pass
5.4	HA/OnOff Light/Group Cluster(Server)	Mandatory	Pass
5.6	Level Control Cluster (Server)	Mandatory	Pass
5.9	Basic Cluster (Server)	Mandatory	Pass
5.11	HA/Basic Cluster (Server)- if Disable Device attribute is supported	Mandatory	Pass
5.12	HA/HAMfg	Mandatory	Pass
5.15	Identify Cluster (Server)	Mandatory	Pass
5.18	HA/Scenes Cluster (Server)	Mandatory	Pass
5.27	Level Control Cluster (Server)	Mandatory	Pass
5.45	Group Cluster (Server)	Mandatory	Pass
5.46	Reporting	Mandatory	Pass

4. DETAILED TEST RESULTS

If you would like to see the detailed results for the tests, please contact NTS and we will provide the log files captured during testing.

5. CONCLUSION

On the ZigBee Home Automation level, testing was conducted according to the ZigBee Home Automation R09 document (Revision 09). Through functionality testing with certified ZigBee HA testers, Schneider's product has passed all relevant ZigBee Home Automation test cases and therefore has satisfied the full ZigBee Home Automation specification.

Thank you for giving NTS the opportunity to provide Schneider Electric with ZigBee HA testing services. If you have any questions or comments, please feel free to contact us at the phone numbers or e-mail addresses listed below. We appreciate the opportunity, and we look forward to working with you in the future.

Prepared by:

Spiro Sacre

Signed: _____



Date: 9/22/11 _____