



Software Design Specification

Z-Wave Command Class Control Test Specification

Description:	Z-Wave Command Class Control Test Specification
Written By:	Z-Wave Alliance
Date:	2021.08.27
Reviewed By:	AWG
Restrictions:	Public

Approved by:

Z-Wave Alliance Board of Directors

THIS SPECIFICATION IS BEING OFFERED WITHOUT ANY WARRANTY WHATSOEVER, AND IN PARTICULAR, ANY WARRANTY OF NON-INFRINGEMENT IS EXPRESSLY DISCLAIMED. ANY USE OF THIS SPECIFICATION SHALL BE MADE ENTIRELY AT THE IMPLEMENTER'S OWN RISK, AND NEITHER THE ALLIANCE, NOR ANY OF ITS MEMBERS OR SUBMITTERS, SHALL HAVE ANY LIABILITY WHATSOEVER TO ANY IMPLEMENTER OR THIRD PARTY FOR ANY DAMAGES OF ANY NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF THIS SPECIFICATION.

REVISION RECORD

Doc. Rev	Date	By	Pages affected	Brief description of changes
0.7	2021.03.04	Nicolas Obriot	ALL	First revision
1.0	2021.08.27	ZWA Board	ALL	Approved for Publication

Table of Contents

1	INTRODUCTION	3
1.1	Purpose	3
2	TEST SPECIFICATION	4
2.1	Multi Channel node interview	4
2.1.1	References	4
2.1.2	Pre-requisites	4
2.1.3	Test procedure	4
3	REFERENCES	5

1 Introduction

1.1 Purpose

This document describes the list of tests to perform in order to verify compliance with the Z-Wave Command Class Control Specification.

2 Test Specification

2.1 Multi Channel node interview

This test verifies that a controlling node interview a Multi Channel supporting Node correctly.

2.1.1 References

This test verifies the following requirements:

- CL:0060.01.21.01.2

2.1.2 Pre-requisites

None.

2.1.3 Test procedure

Test Procedure		
Step	Action	Result verification
1	Include a Multi Channel supporting test node (e.g. PowerStrip or CTT v3 emulated node) into the DUT's network. If the DUT cannot include other nodes into its network, find it how to trigger a Multi Channel interview of a node already included.	Verify using a Zniffer tool that the number of individual endpoints is requested, Verify that the secure and non-secure capabilities of each individual endpoints are requested.
2	If the DUT controls application command classes supported by the test node's endpoints	Verify that each application command class can be controlled for each individual endpoint.
3	Repeat steps 1-2 for a non-secure inclusion and a inclusion that grants only the S0 security class.	Verify that the non-secure/secure capabilities are requested following the highest granted key of the node.

3 References

- [1] IETF RFC 2119, Key words for use in RFC's to Indicate Requirement Levels,
<http://tools.ietf.org/pdf/rfc2119.pdf>
- [2] Z-Wave Alliance, Z-Wave Plus v2 Device Type Specification.