

TR-115

VDSL2 Functionality Test Plan

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Issue History

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1	November 2009	November 2009	Michael Hanrahan, Huawei	Original
2	July 2012	July 2012	Michael Hanrahan, Huawei	Next revision
2 Amendment 1	28 May 2013	1 June 2013	Aleksandra Kozarev, Lantiq	Next revision
2 Corrigendum 1	3 March 2014	3 April 2014	Aleksandra Kozarev, Lantiq	Next revision

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Executive Summary

This document contains corrections to *TR-115 Issue 2*.

The following table is modified:

- *Table 53 (Full Initialization Count and Failed Full Initialization Count Test)* in Section 7.9

1 Purpose and Scope

The corrections specified in the following section apply to *TR-115 Issue 2*.

2 Correction to Table 53/TR-115 Issue 2

Revise Table 53 in Section 7.9/TR-115 Issue 2 as follows:

Table 53 - Full Initialization Count and Failed Full Initialization Count Test

Test Configuration	<p>(1) See Section 4.1 for the test configuration.</p> <p>(2) As per VDSL2 band-profile to be tested, configure the SUT according to Section 4.2 in FX_I_040_006 specific line-setting defined in Table 13.</p> <p>(3) Additional test conditions: optional OLR (SRA, SOS) SHALL not be used.</p> <p>(4) Connect VTU-R and VTU-O with 0 length loop and no noise injected.</p>
Method of Procedure	<p>(1) Wait 1 minute following synchronization.</p> <p>(2) Record the initial values of the Full initialization count and the Failed full initialization count at the VTU-O.</p> <p>(3) Disconnect the line for at least 7 seconds.</p> <p>(4) Wait for the modem to retrain.</p> <p>(5) Wait for 1 minute following synchronization.</p> <p>(6) Reconnect the line but with 900m length loop.</p> <p>(7) Wait for 90s.</p> <p>(8) (8) Reconnect the line with 0 length loop and wait for the modem to train.</p> <p>(9) (9) RRepeat MOP(1) and MOP(3) to MOP(78) four times.</p> <p>(9)(10) Wait 60 seconds and Rrecord the value of Full initialization count and Failed full initialization count reported by VTU-O.</p> <p>(10)(11) Calculate the increase of these performance counters (Full initialization count and Failed full initialization count) at the VTU-O as the difference between the values from MOP(910) and MOP(2).</p>
Expected Result	<p>(1) The increase of the Full initialization count SHALL be \geq <u>15</u>.</p> <p>(2) The difference between the increase of Full initialization count and the increase of Failed full initialization count SHALL be <u>510</u>.</p> <p>(3) The increase of the Failed full initialization count SHALL be \geq 5.</p>

End of Broadband Forum Technical Report TR-115