

# **TR-114**

## **VDSL2 Performance Test Plan**

**Issue: 1 Corrigendum 2**  
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**Issue History**

<b>Issue Number</b>	<b>Issue Date</b>	<b>Issue Editor</b>	<b>Changes</b>
1 Corrigendum 1	March 2010	Aleksandra Kozarev, Lantiq	Corrigenda items for TR-114 Issue 1
1 Corrigendum 2	April 2010	Aleksandra Kozarev, Lantiq	Corrigenda items for TR-114 Issue 1

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## **Executive Summary**

The document contains corrections to TR-114 Issue 1.

## **1 Purpose**

The corrections specified in the following sections apply to *TR-114 Issue 1*.

Note: This corrigendum assumes all previous corrigenda on *TR-114 Issue 1* have been previously applied.

## 2 Corrections in the combined threat noise tests for BA8c

Data rate requirements in the combined threat noise tests for BA8c shall be corrected in the following tables:

1. Table 13 - Specific line settings
2. Table 14 - Concatenated common settings, testing combination description
3. Table 116 - Combined noise impairment 1, rate adaptive profile
4. Table 117 - Combined noise impairment 1, fixed rate profile
5. Table 118 - Combined noise impairment 2, rate adaptive profile
6. Table 119 - Combined noise impairment 2, fixed rate profile

### 2.1 Corrections in Table 13/TR-114

Update Table 13/TR-114 as follows:

**Table 13: Specific line settings**

Specific line-setting	General line-setting	RA-Mode	DS net data rate (kbit/s) (max- min)	US net data rate (kbit/s) (max-min)
FX_HI_010_004003	I-32/16	Manual	10000-10000	<del>4000-4000</del> 3000-3000
FX_HI_006_003	I-32/16	Manual	6000-6000	<del>3500-3500</del> 3000-3000
FX_HI_011_003	I-32/16	Manual	11000-11000	<del>3000-3000</del> 3500-3500

### 2.2 Corrections in Table 14/TR-114

Update Table 14/TR-114 as follows:

**Table 14: Concatenated common settings, testing combination description**

Band-profile	Specific line-setting	Profile-line combination
BA8c_D&UPBO	FX_HI_010_004003	BA8c_D&UPBO_FX_HI_010_004003

### 2.3 Corrections in Table 116/TR-114

Update Table 116/TR-114 as follows:

**Table 116: Combined noise impairment 1, rate adaptive profile**

Test profile BA8c_D&UPBO RA_HI_150_150 with INPmin 16, max delay = 32ms												
loop length (m, TP100)						Measured						
	Target Margin DS (dB)	Target Margin US (dB)	Model trained and did not lose sync? (Y/N)	Expected DS sync rate (kbps)	Expected US sync rate (kbps)	Modem trained and did not lose sync? (Y/N)	DS sync rate (kbps)	Initial DS Noise Margin, (dB)	DS Errored Seconds	US sync rate (kbps)	Initial US Noise Margin, (dB)	Pass / Fail
500	6	6		11000	<del>4000</del> 3500							
900	9	6		6000	<del>3500</del> 3000							

### 2.4 Correction in Table 117/TR-114

Update Table 117/TR-114 as follows:

**Table 117: Combined noise impairment 1, fixed rate profile**

Test profile BA8c_D&UPBO FIX_HI_X_X with INPmin 16, max delay = 32ms								
Loop length (m, TP100.)	Test profile, with delay set to 32 ms.	Measured						
		Modem Trained and did not lose sync? (Y/N)	DS Bit Rate (kbps)	Initial DS Noise Margin, (dB)	DS Errored Seconds	US Bit Rate (kbps)	Initial US Noise Margin (dB)	Pass / Fail
500	FX_HI_010_004011_003							
900	FX_HI_006_003							



### 2.5 Corrections in Table 118/TR-114

Update Table 118/TR-114 as follows:

**Table 118: Combined noise impairment 2, rate adaptive profile**

Test profile BA8c_D&UPBO RA_HI_150_150 with INPmin 16, max delay = 32ms												
loop length (m, TP100)						Measured						
	Target Margin DS (dB)	Target Margin US (dB)	Modem trained and did not lose sync? (Y/N)	Expected DS sync rate (kbps)	Expected US sync rate (kbps)	Modem trained and did not lose sync? (Y/N)	DS sync rate (kbps)	Initial DS Noise Margin, (dB)	DS Errored Seconds	US sync rate (kbps)	Initial US Noise Margin, (dB)	Pass / Fail
500	6	6		<del>11500</del> 11000	3500							
900	6	6		<del>12000</del> 10000	3000							

### 2.6 Correction in Table 119/TR-114

Update Table 119/TR-114 as follows:

**Table 119: Combined noise impairment 2, fixed rate profile**

Test profile BA8c_D&UPBO FIX_HI_X_X with INPmin 16, max delay = 32ms									
Loop length (m, TP100.)	Test profile, with delay set to 32 ms	Measured							
		Modem Trained and did not lose sync? (Y/N)	DS Bit Rate (kbps)	Initial DS Noise Margin, (dB)	DS Errored Seconds	US Bit Rate (kbps)	Initial US Noise Margin (dB)	Pass / Fail	
500	FX_HI_011_003								
900	FX_HI_011_003								

End of Broadband Forum Technical Report TR-114