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Le rapport technique TR-100 a été rédigé
par les experts du Broadband Forum.

Il fournit un ensemble de méthodes de tests
pour vérifier les performances des modems

ADSL2/ADSL2plus conformes aux
recommandations ITU-T G992.3 et G992.5.

Un système ADSL2/ADSL2plus est composé de
multiplexeurs DSL (DSLAMs), de filtres insérés

des deux cotés de la boucle locale,
et de modems clients.

Ces systèmes sont testés pour être
dynamiquement interopérables

sur un ensemble de boucles

et de conditions de bruits permettant

de couvrir une large gamme de conditions

représentatives de déploiements d'opérateurs.

Cette spécification de tests est complémentaire

du TR-105 qui est dédié aux tests de

vérification des fonctionnalités et des

paramètres de gestion des modems.

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*The Technical report TR-100 has
been written by Broadband Forum*

experts. It provides a set of

performance requirements and test

methods for ADSL2/ADSL2plus

modems implemented in accordance

to ITU-T G992.3 et G992.5.

An ADSL2/ADSL2plus system

consists of DSLAMs, filters and

splitters located at both ends of the

local loop, and CPE modems.

These systems are tested for

dynamic interoperability on a set of

loops and noise conditions which

allows a large covering of loop

conditions representative of network

operator's deployments.

This test specification is linked with

TR-105 which is focussing on the

verification of transceiver

functionalities and management

parameters.

Access

TR - 100

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Tests XDSL

Ref	Tests	Pack Start	Pack Confort	Pack Zen
7.1	Bitswap performance test	•	•	•
7.2	DSL Noise Spikes/Surges Tests			
7.2.1	Isolated noise burst test			•
7.2.2	Repetitive High Level Impulse Noise (REIN) test	•	•	•
7.2.3	Common mode noise susceptibility test		NA	
7.3	Stress Test		•	•
7.4	Verification of CRC error reporting by ATU-R (Basic CRC Functionality)	•	•	•
8.1	RFC2684 [11] Layer 3 Ethernet or USB Interface bridged mode			
8.1.1	Packet Throughput Test			•
8.2	RFC2516 [12] PPPoE Throughput Test			
8.3	RFC2364 [13] PPPoA End-to-End Connectivity Test		*	
8.4	RFC2684 [11] IP Bridged End-to-End Connectivity Test		*	
8.5	Power Cycle Test			•

Ref	Tests	Pack Start	Pack Confort	Pack Zen
A2	European Test Set (ANNEX A)			
A2.1	Noise and noise injection		*	
A2.2	CPE Margin verification tests		• (1)	• (1)
A2.3	CO Margin Verification (Optional)		*	
A2.4	Verification of downstream bi/gi values		*	
A2.5	Loop Tests with Ports Set for Adaptive Rate	• (1)	• (1)	• (1)
A2.6	Loop Tests with Ports Set for Fixed Rate	• (1)	• (1)	• (1)
A2.7	Loop Tests with Ports Set for Adaptive rate		• (1)	• (1)
A2.8	REIN noise impairment		• (1)	• (1)
A3	ADSL2plus European tests operating with DS-PSD mask above ADSL			
A3.1	Noise ADSL2plus over ADSL FD (rate adaptive)		*	
A3.2	Noise ADSL2plus over ADSL FD (fixed rate)		*	

Ref	Tests	Pack Start	Pack Confort	Pack Zen
A3	ADSL2plus European tests operating with DS-PSD mask above ADSL			
A3.1	Noise ADSL2plus over ADSL FD (rate adaptive)		*	
A3.2	Noise ADSL2plus over ADSL FD (fixed rate)		*	
B2	Performance European Test set for ADSL2, Annex B			
B2.1	CPE Margin verification tests		• (2)	• (2)
B2.2	CO Margin verification tests (Optional)			• (3)
B2.3	Verification of Downstream bi/gi Values		*	
B2.4	Loop Tests with Ports Set for Adaptive Rate	• (2)	• (2)	• (2)
B2.5	Loop Tests with Ports Set for Fixed Rate		*	
B2.5.1	White Noise impairment	• (2)	• (2)	• (2)
B2.5.2	European noise FB Impairment	• (2)	• (2)	• (2)
B2.5.3	Target Noise margin consideration		*	
B2.6	Performance in L2 mode		*	
B3	Performance Test set for ADSL2, Annex B			
B3.1	CPE Margin verification tests		• (2)(3)	• (2)
B3.2	CO Margin verification tests		*	
B3.3	Verification of downstream bi/gi values		*	
B3.4	Loop Tests with Ports Set for Adaptive Rate	• (2)	• (2)	• (2)
B3.5	Loop Tests with Ports Set for Fixed Rate		*	
B3.5.1	White Noise impairment	• (2)	• (2)	• (2)
B3.5.2	European noise FB Impairment	• (2)	• (2)	• (2)
B3.5.3	Target Noise margin consideration		*	
B3.6	Performance in L2 mode		*	
B3.7	Performance with configured RFIBANDds		*	
B3.8	ADSL2plus European tests operating with DS-PSD mask above ADSL		*	

(1) : Tests réalisés pour un modem ADSL2+ over POTS

(1) : Tests realised for a modem ADSL2+ over POTS

(2) : Tests réalisés pour un modem ADSL2+ over IDSN

(2) : Tests realised for a modem ADSL2+ over IDSN

(3) : Limité à B3.1.1, B3.1.2 et B3.1.3

(3) : Limited at B3.1.1, B3.1.2 et B3.1.3

* : Tests réalisés à la demande. Peut être ajouté en option à un pack

* : Tests realised on demand. Could be optionally added to a pack

Accès

AC_ADSL2+_TR100_ED00