



ETSI WG TM6

(ACCESS TRANSMISSION SYSTEMS ON METALLIC CABLES)

Permanent Document m06p09a00_SpM-1_LL

Living List for Spectral Management SpM - part 1 revision of TR 101 830-1

This document is the living list of current issues connected with ETSI's spectral management report TR 101 830, part 1 (*Definitions and signal library*).

This work item is focussed on the revision of "Part 1", to add new signal descriptions suitable for VDSL2 in the subloop (with PSD shaping). A target date for "working group approval" is scheduled for **Dec 2007**. The issues related to revising "Part 2" or the creation of "Part 3", are beyond the scope of this living list.

Why adding *dedicated* VDSL2 signals? The VDSL2 signal descriptions in G993.2, combined with shaping mechanisms in G997.1, enable an infinite number of PSD masks (different bandplans, many profiles, parametric definition of PSD shaping, presence of notching, etc). This facilitates very flexible VDSL2 products, but is far too complex to be helpful for defining what signal limits are allowed in cables within various countries. It would require an advanced simulation tool to find out what the actual limits are.

The SpM-1 document can fill-in this gap by offering a library with a finite number of dedicated VDSL2 signal descriptions that are tailored to specific applications; at least those that are made available for usage within a European country. Since all of SpM-1 is *informative* in nature, ETSI does not impose anybody to make use of one of these descriptions. Using it is purely an issue of *national concern* and *national regulation*. However, many European players have an interest that such signal descriptions are technically correct and unambiguous.

<i>Work Item Reference</i>	<number requested at ETSI "TMSupport">
<i>Permanent Document</i>	TM6(06)09
<i>Filename</i>	m06p09a00_SpM-1_LL
<i>Date</i>	Nov 21, 2006

Rapporteur/Editor (on behalf of KPN)	Rob F.M. van den Brink TNO Telecom PO-Box 5050 2600 GB Delft	tel: +31.15.2857059 fax: +31.15.2857349 e-mail: Rob.vandenBrink@tno.nl (Changed!)
---	--	--

2. STUDY POINTS PART 2 (TECHNICAL METHODS FOR PERFORMANCE EVALUATIONS)

SP	Title	Owner	Status
1-1	Descriptions for "VDSL2-NL1" signals ("over POTS")	Rob van den Brink (KPN/TNO)	Under study
1-2			
1-3			
1-4			
1-5			
1-6			
1-7			
1-8			

The current agreed procedure for changing the status of living list items is in Annex A of TM6 working methods.

Part 1 study points

SP 1-1. Description for "VDSL2-NL1" signals ("over POTS")

This study point is dedicated to a technically correct description of the VDSL2 signals being allowed in the Netherlands, which may share the line with POTS signals. (See also *www.kpn-wholesale.com*, at "*documents|national|local loop services|reference offer SLU*")

- *063t07r1, sept 2006, Description of "VDSL2-NL1" signals, for spectral management in the Netherlands – KPN/TNO*