

Technical Report DSL Forum TR-063

Addendum to TR-057

November 2003

Produced by:

**Operations & Network Management Working
Group**

Editor: Peter Adams, BT

Working Group Co-Chair: Greg Bathrick, Samsung

Working Group Co-Chair: Peter Adams, BT

Notice:

The DSL Forum is a non-profit corporation organized to create guidelines for DSL network system development and deployment. This Technical Report has been approved by members of the Forum. This document is not binding on the DSL Forum, any of its members, or any developer or service provider involved in DSL. This document is subject to change, but only with approval of members of the Forum.

©2003 Digital Subscriber Line Forum. All Rights Reserved.

DSL Forum technical reports may be copied, downloaded, stored on a server or otherwise re-distributed in their entirety only.

Notwithstanding anything to the contrary, the DSL Forum makes no representation or warranty, expressed or implied, concerning this publication, its contents or the completeness, accuracy, or applicability of any information contained in this publication. No liability of any kind shall be assumed by the DSL Forum as a result of reliance upon any information contained in this publication. The DSL Forum does not assume any responsibility to update or correct any information in this publication.

Addendum to TR-057

1. Introduction

The following items are to be added to TR-057. The paragraph numbers indicate where in TR-057 the items are to be inserted.

2. Addendum 1

In Section 2.5.1 insert after “*Automatic Backoff* (based on line measurements per Power Back-off Mask calculation in § 7.1.3.1.1 ^[1])”

- UPBO parameter set - default or custom
 - Case default parameter set selector $\in \{A..F\}$ (Reference ETSI table)
 - Case custom parameter set:
 - Upstream Band 1 parameters a and b for Reference PSD
 $-a - b\sqrt{f}$
 - Upstream Band 2 parameters a and b for Reference PSD
 $-a - b\sqrt{f}$
- Maximum allowed kl_0 = operators estimate for electrical length

3. Addendum 2

2.10 Error Correction Management

Two different parameters control error correction: Target Burst Correction for the Slow Channel and Overhead Percentage for the Fast Channel.

2.10.1 Target Burst Correction – Downstream

Desired size of noise bursts that can be corrected for the downstream Slow Channel from 0 to 1275 microseconds in 5-microsecond steps.

2.10.2 Target Burst Correction – Upstream

Desired size of noise bursts that can be corrected for the upstream Slow Channel from 0 to 1275 microseconds in 5-microsecond steps.

2.10.3 Maximum FEC Overhead– Downstream

Maximum percentage of the redundancy bits to the FEC block size for the downstream Fast Channel from 0 to 50% in 1% steps.

2.10.4 Maximum FEC Overhead– Upstream

Maximum percentage of the redundancy bits to the FEC block size for the upstream Fast Channel from 0 to 50% in 1% steps.

4. Addendum 3

3.2.13 Current Loop Length Estimate

Case ANSI: Estimated loop length in feet assuming a 26 AWG loop.

Case ETSI: Estimated loop length in meters assuming a 0.4 mm loop.

3.2.14 Burst Correction – Downstream

Maximum size of noise bursts that can be corrected for the downstream Slow Channel from 0 to 1275 microseconds in 5-microsecond steps.

3.2.15 Burst Correction – Upstream

Maximum size of noise bursts that can be corrected for the upstream Slow Channel from 0 to 1275 microseconds in 5-microsecond steps.

3.2.16 FEC Overhead– Downstream

Percentage of the redundancy bits to the FEC block size for the downstream Fast Channel from 0 to 50% in 1% steps.

3.2.17 FEC Overhead – Upstream

Percentage of the redundancy bits to the FEC block size for the upstream Fast Channel from 0 to 50% in 1% steps.

5. Paragraph Renumbering

To improve clarity of presentation a new paragraph heading should be added to TR-57 as follows:

3.3 Channel Measurements

Then items 3.2.11, 3.2.12 in TR-057, which are channel related, should be moved to section 3.3.1 and 3.3.2. Likewise items 3.2.14, 3.2.15, 3.2.16 and 3.2.17 in Addendum 3 above, which are also channel related, should be moved to sections 3.3.3, 3.3.4, 3.3.5 and 3.3.6 respectively. Item 3.2.13 should then be renumbered 3.3.11.