

# **Technical Report DSL Forum TR-063**

**Addendum to TR-057**

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**Operations & Network Management Working  
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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 <sup>[1]</sup>)”

- 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.