ITU - Telecommunication Standardization Sector

STUDY GROUP 15

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Question: 4/15

SOURCE[1]: VOCAL Technologies Ltd. (http://www.vocal.com)

TITLE: G.gen: G.vdsl G.dmt.bis: G.lite.bis: Size of the interleaver for the case of turbo codes
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ABSTRACT

In this paper VOCAL Technologies Ltd. proposes that the size of the interleaver should be fixed to an integer number of DMT symbols to take the maximum advantage of the turbo code principle and to avoid degradation of the high order constellations.

1.   Introduction

In this paper VOCAL Technologies Ltd. proposes that the size of the interleaver should be fixed to an integer number of DMT symbols to take the maximum advantage of the turbo code principle and to avoid degradation of the high order constellations.

2. Summary

In this paper VOCAL Technologies Ltd. proposes that the size of the interleaver should be fixed to an integer number of DMT symbols to take the maximum advantage of the turbo code principle and to avoid degradation of performance for high order constellations sizes.

1.   New Open issue for G.992.1.bis and G.992.2.bis in "the interleaver of the turbo code shall be an integer number of DMT symbols"
2.   Expectations: The committee agrees to this new open issue.

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