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ITU-T

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STANDARDIZATION SECTOR
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G.709/Y.1331

Amendment 1
(12/2003)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital terminal equipments – General

Interface for the Optical Transport Network (OTN)
Amendment 1

CAUTION !

PREPUBLISHED RECOMMENDATION

This prepublication is an unedited version of a recently approved Recommendation. It will be replaced by the published version after editing. Therefore, there will be differences between this prepublication and the published version.

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INTERFACE FOR THE OPTICAL TRANSPORT NETWORK (OTN)**AMENDMENT 1****1 Summary**

This amendment contains an extension to the second version (03/2003) of ITU-T Recommendation G.709/Y.1331, related to the applicability of the ODUk APS/PCC channel.

2 Additions**2.1 Clause 15.8.2.4**

Replace the 1st paragraph and Table 15-6 with the following paragraph and table:

A four-byte ODUk-APS/PCC signal is defined in row 4, columns 5 to 8 of the ODUk overhead. Up to eight levels of nested APS/PCC signals may be present in this field. The APS/PCC bytes in a given frame are assigned to a dedicated connection monitoring level depending on the value of MFAS as follows:

Table 15-6/G.709/Y.1331 – Multiframe to allow separate APS/PCC for each monitoring level

MFAS bit 678	APS/PCC channel applies to <u>connection monitoring level</u>	<u>Protection scheme using the APS/PCC channel (NOTE)</u>
000	ODUk Path	<u>ODUk SNC/N</u>
001	ODUk TCM1	<u>ODUk SNC/S, ODUk SNC/N</u>
010	ODUk TCM2	<u>ODUk SNC/S, ODUk SNC/N</u>
011	ODUk TCM3	<u>ODUk SNC/S, ODUk SNC/N</u>
100	ODUk TCM4	<u>ODUk SNC/S, ODUk SNC/N</u>
101	ODUk TCM5	<u>ODUk SNC/S, ODUk SNC/N</u>
110	ODUk TCM6	<u>ODUk SNC/S, ODUk SNC/N</u>
111	ODUk SNC/I <u>APSOTUk Section</u>	<u>ODUk SNC/I</u>
NOTE – <u>An APS channel may be used by more than one protection scheme and/or protection scheme instance. In case of nested protection schemes, care should be taken when an ODUk protection is to be set up in order not to interfere with the APS channel usage of another ODUk protection on the same connection monitoring level, e.g. protection can only be activated if that APS channel of the level is not already being used.</u>		