COVERING NOTE

Geneva, 4 July 2016

ITU – TELECOMMUNICATION STANDARDIZATION SECTOR

Subject: **Erratum 1 (07/2016) to Recommendation ITU-T G.9701 (2014),** *Fast access to subscriber terminals (G.fast) - Physical layer specification*

1) Clause 12.3.4.2.7, O PMD

Four bits are missing from the description for Field 8. Correct the last two sentences of the description for Field 8 to read:
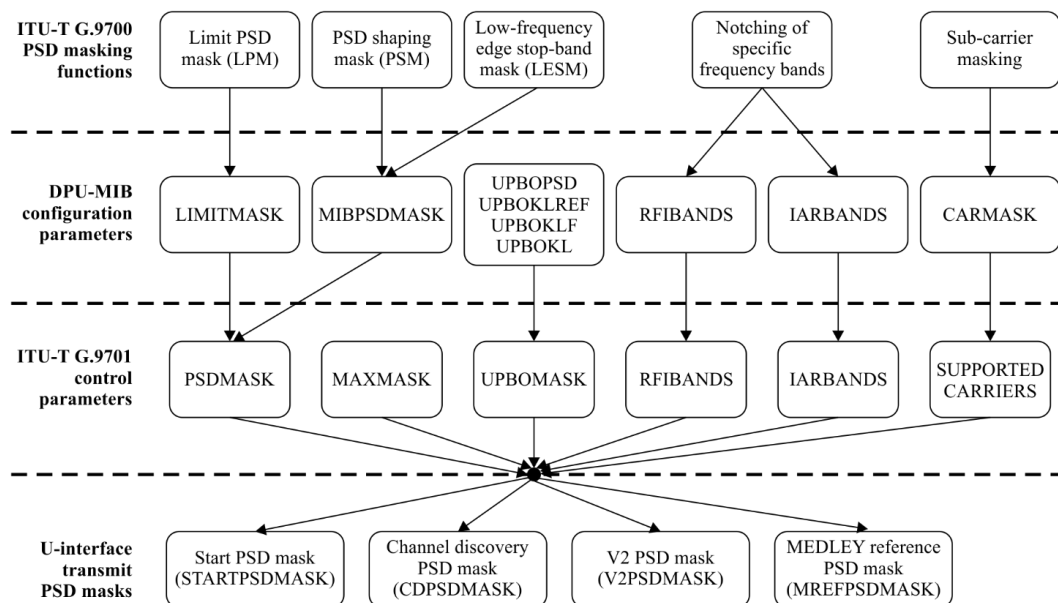
Field 8: "upstream g_i table"…

…

Each two g_i values of subcarriers $2i$ and $2i+1$ shall be mapped onto a 24-bit field as follows: $[g_{2i}{}^M g_{2i} g_{2i} g_{2i}\ g_{2i} g_{2i} g_{2i} g_{2i}\ g_{2i} g_{2i} g_{2i} g_{2i}\ g_{2i+1}{}^M g_{2i+1} g_{2i+1} g_{2i+1}\ g_{2i+1} g_{2i+1} g_{2i+1} g_{2i+1}\ g_{2i+1} g_{2i+1} g_{2i+1} g_{2i+1}]$, where $g_{2i}{}^M$ and $g_{2i+1}{}^M$ are the MSBs of the g_{2i} and g_{2i+1} binary representations, respectively. If the NSC_{us} is odd, the last 12 bits are padded by 0.

2) Figure 7-1

In Figure 7-1, replace "ITU-T G.970 control parameters" should read " ITU-T G.9701 control parameters". Replace Figure 7-1 with the following figure:

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3) Figure 12-4

In Figure 12-4, the direction of the arrow is wrong on the o:_fast-retrain line. Replace Figure 12-4 with the following figure:

3) Figure 12-4

In Figure 12-4, the direction of the arrow is wrong on the o:_fast-retrain line. Replace Figure 12-4 with the following figure:

Power on

O-IDLE (ignore FTU-R) — o:_selftest / **Pass** → **O-SELFTEST**

o:_idle_ignore — Any state

o:_L0_request

o:_selftest / Fail → **O-UNIT-FAIL**

O-SILENT

o:_reinitialization

Fail

o:_L0_request or monitor **R-TONES-REQ**

Pass with silent or no mode selected

O-INIT/HS (ITU-T G.994.1 session)

Pass with mode selected

O-DEACTIVATING1 ← Fail — **O-INIT/TRAIN (training)** ← o:_fast-retrain — **O-DEACTIVATING2**

Pass

r:_L3_request and o:_L3_reject
o:_L3_request and r:_L3_reject

r:_L3_request and o:_L3_grant
o:_L3_request and r:_L3_grant

O-SHOWTIME

Fast retrain triggered by FRpolicy

Denotes a state

c — Denotes a transition under condition c

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