COVERING NOTE

GENERAL SECRETARIAT OF THE INTERNATIONAL TELECOMMUNICATION UNION

Geneva, 6 December 2017

ITU – TELECOMMUNICATION STANDARDIZATION SECTOR

Subject: Erratum 1 (12/2017) to ITU-T G.9701 (2014) Amd. 3 (04/2017)

ITU-T G.9701 (2014) Amd.3 does not reflect correctly the changes introduced by Corrigendum 3 (04/2017) to the last three rows (including the notes) of Table 9-8.

In Amd.3 (04/2017), replace Table 9-8 with the following:

Table 9-8 – Upstream RMC command (sent by FTU-R only)

Field name	Format	Description
Retransmission ACK bit-map	Six bytes byte 0: [b_7 ... b_0] byte 1: [b_{15}... b_8] byte 2: [b_{23} ... b_{16}] byte 3: [b_{31} ... b_{24}] byte 4: [b_{39} ... b_{32}] byte 5: [b_{47} ... b_{40}]	ACK bitmap [b_{47} ...b_0], the bit b_0 relates to the last transmitted DTU(s) in the ACK window (see clause 9.7). Any given bit of the ACK bitmap shall be set to 1 for ACK and 0 for NACK.
Retransmission ACK group size, RMC ACK, TIGA ACK and indicator bits	One byte: [dddd aabc]	aa = ACK group size (G_{ack}) represented as an unsigned integer with valid values 1, 2, 3. b = acknowledgement of the RMC message; shall be set to 1 for ACK and 0 for NACK. c = positive acknowledgement of reception of an OLR request type 3 (TIGA) eoc command (TIGA-ACK). c=1 indicates that a transmitter-initiated gain adjustment (TIGA) command was received and positively acknowledged. c=0 indicates that no TIGA command was received and positively acknowledged. The generation and use of this bit is ~~defined~~ specified in clause 13.2.2.1. dddd = indicator bits according to the following order: [*lpr los lom lor*]. ~~The~~ An indicator bit~~s~~ shall be set to 0 if the corresponding~~a~~ primitive/defect occurs and set to 1 otherwise (active low).

Table 9-8 – Upstream RMC command (sent by FTU-R only)

Field name	Format	Description
Upstream logical frame configuration	Three bytes	Configuration parameters to be used for the current logical frame or for the following frame, depending on the value of MB upstream (see clause 10.7 and Table 12-41) The format of logical frame configuration parameters is ~~defined~~ specified in Table 9-9.
Expected transmission time (ETT)	One byte: [000 aaaaa]	aaaaa = expected transmission time expressed in symbols for the current logical frame, specified as the symbol position index of the last data symbol expected to be transmitted in the logical frame. The actual transmission time shall be less than or equal to ~~or smaller than~~ the value communicated. (Note 1)
DTU sync value (N_B)	Two bytes: byte 0 [s_7 ... s_0] byte 1 [0000 s_{11}... s_8]	The value of N_B, for the current logical frame (see definition of N_B in clause 9.5) expressed in bytes: The value is coded as a 12 bit unsigned integer [s11 ... s0] with s0 the LSB. The valid range for the DTU sync value is 000_{16} to FFF_{16}.
Current active bit-loading table identifier	One byte: [bbbb aaaa]	Indication for the active bit-loading table to be used in the current logical frame, expressed as a value of FCCC (see clause 13.3.1.1.3). aaaa = Identifier for the active bit-loading table to be used over the NOI. bbbb = Identifier for the active bit-loading table to be used over the DOI (Note 2).
Settings associated with supported options	One byte: [aa 000000]	Contains settings associated with the supported options (Note 3) aa = indicator bits for RPF in the following order [*dgl ohp*] (see clause 11.3.3.2). An indicator bit shall be set to 0 if the corresponding primitive occurs and set to 1 otherwise (active low). All other bits are reserved by ITU-T and shall be set to 0.
NOTE 1 – If RMC is the only symbol expected to be transmitted in a logical frame, the value of ETT shall be set to 00000_2. NOTE 2 – If only the NOI is used (i.e., if $TTR_{ds} \geq TBUDGET_{ds}$) for a given logical frame, the identifier corresponding to the DOI shall be set to 0000 by the transmitter and ignored by the receiver. NOTE 3 – This byte shall be present if and only if support of at least one of the options for which settings are conveyed via this byte are indicated by both FTUs during initialization (first byte of the field "supported options", see clauses 12.3.4.2.1 and 12.3.4.2.2).		