

Table 77–1—GATE MPCPDU Discovery Information Fields

Bit	Flag Field	Values
0	OLT is 1G upstream capable	0 – OLT does not support 1 Gb/s reception 1 – OLT supports 1 Gb/s reception
1	OLT is 10G upstream capable	0 – OLT does not support 10 Gb/s reception 1 – OLT supports 10 Gb/s reception
2 – 3	reserved	Ignored on reception.
4	OLT is opening 1G discovery window	0 – OLT cannot receive 1 Gb/s data in this window 1 – OLT can receive 1 Gb/s data in this window
5	OLT is opening 10G discovery window	0 – OLT cannot receive 10 Gb/s data in this window 1 – OLT can receive 10 Gb/s data in this window
6 – 15	reserved	Ignored on reception.

Table 77–2—Discovery GATE MPCPDUs for all ONU types.

ONU types targeted by discovery GATE MPCPDU [DS/US transmission speed]	LLID of discovery GATE(s)	Discovery Information			
		Upstream Capable		Discovery Window	
		1G	10G	1G	10G
1/1 Gb/s	0x7FFF	No Discovery Information field present			
10/1 Gb/s	0x7FFE	1	0	1	0
1/1 Gb/s and 10/1 Gb/s	0x7FFF ^a	No Discovery Information field present			
	0x7FFE ^a	1	0	1	0
10/10 Gb/s	0x7FFE	0	1	0	1
10/1 Gb/s and 10/10 Gb/s	0x7FFE	1	1	1	1
1/1 Gb/s, 10/1 Gb/s, and 10/10 Gb/s	0x7FFF ^a	No Discovery Information field present			
	0x7FFE ^a	1	1	1	1

^aTwo discovery GATE MPCPDUs are transmitted in two separate downstream broadcast channels: one with the LLID of 0x7FFF transmitted on the 1 Gb/s downstream broadcast channel and another one the LLID of 0x7FFE transmitted on the 10 Gb/s downstream broadcast channel.

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