Annex 200X
(informative)
Using Super-PON PMDs with 10G-EPON ONUs and OLTs

It is possible to use symmetric 10G Super-PON PMDs with symmetric 10G-EPON ONUs and OLTs. To fully support tunable 10G Super-PON ONU PMDs, the 10G-EPON Discovery Gate MPCPDU may be enhanced to carry in the discovery information field (see table 77-3) the channel number the OLT Is operating on, as shown in table 200X-1.

Table 200X-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
7-11	Reserved	Ignored on reception
12-15	Super-PON channel information	Encodes the channel number the OLT is operating on (see table 200-4)

NOTE: Table 200X-1 is an update of table 77-3.