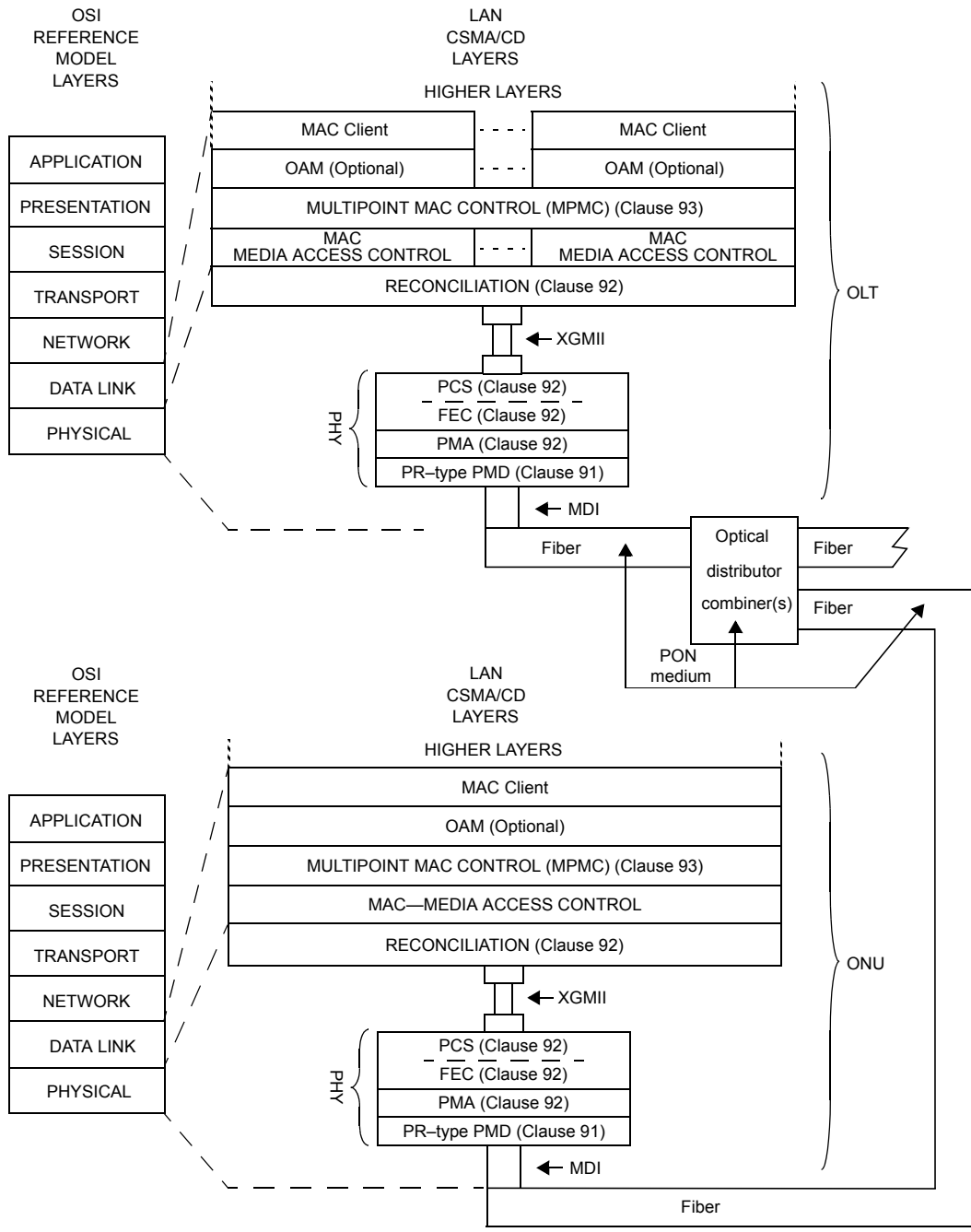


GMI = GIGABIT MEDIA INDEPENDENT INTERFACE  
 MDI = MEDIUM DEPENDENT INTERFACE  
 OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE  
 OLT = OPTICAL LINE TERMINAL

ONU = OPTICAL NETWORK UNIT  
 PCS = PHYSICAL CODING SUBLAYER  
 PHY = PHYSICAL LAYER DEVICE  
 PMA = PHYSICAL MEDIUM ATTACHMENT  
 PMD = PHYSICAL MEDIUM DEPENDENT

**Figure 56-2—Architectural positioning of EFM:  
 P2MP symmetric 1 Gb/s EPON architecture (1 Gb/s downstream, 1 Gb/s upstream)**

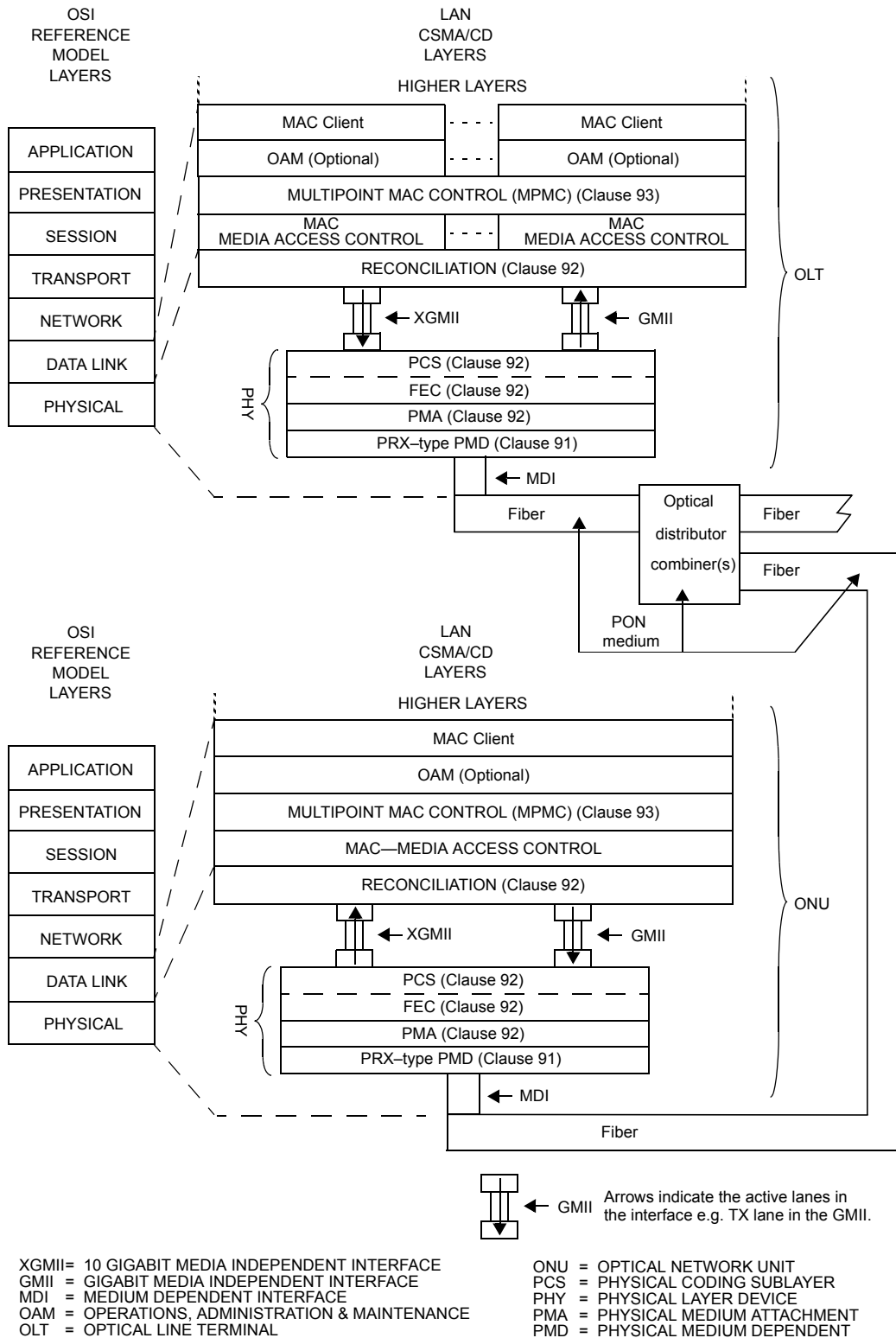


XGMII= 10 GIGABIT MEDIA INDEPENDENT INTERFACE  
 MDI = MEDIUM DEPENDENT INTERFACE  
 OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE  
 OLT = OPTICAL LINE TERMINAL

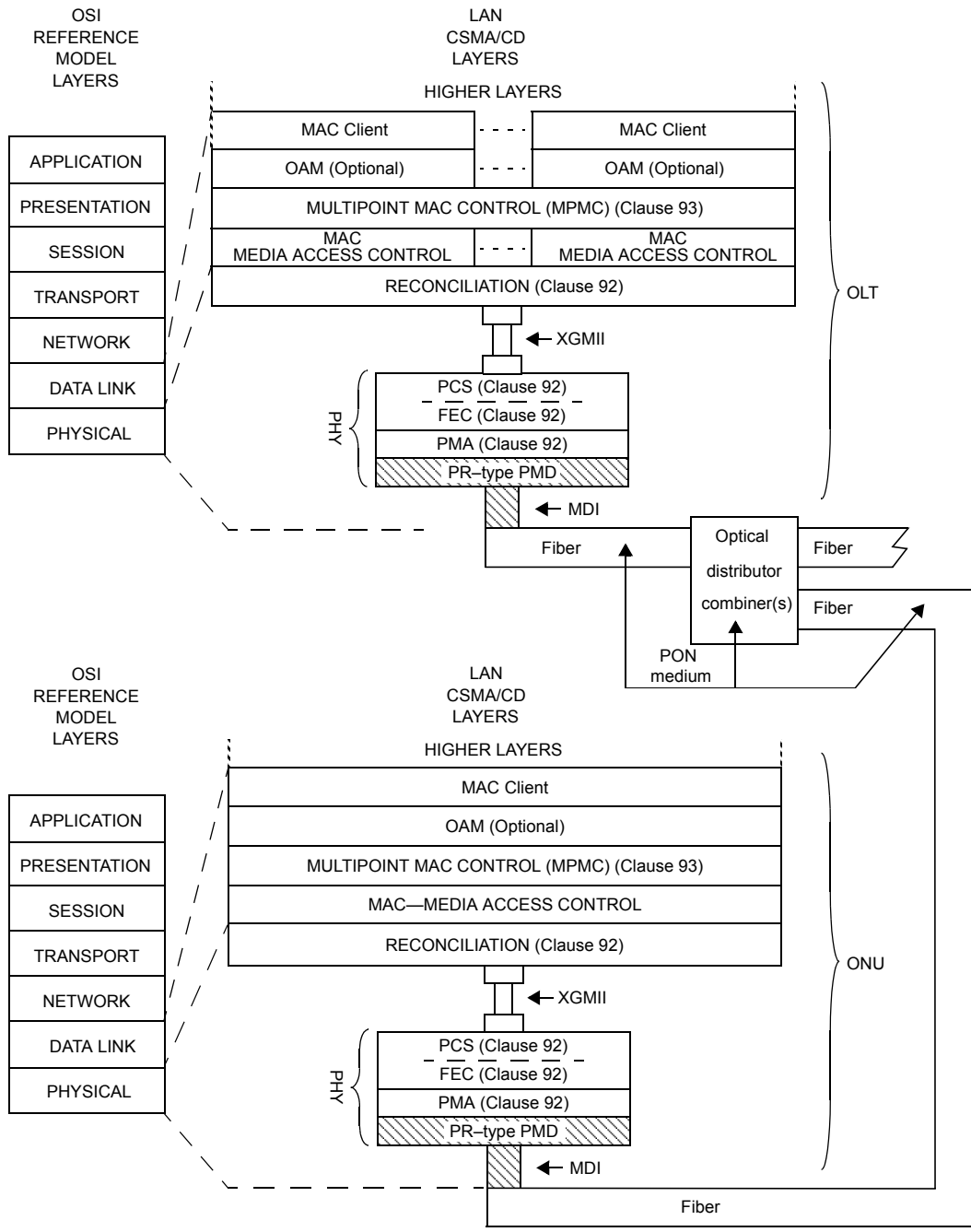
ONU = OPTICAL NETWORK UNIT  
 PCS = PHYSICAL CODING SUBLAYER  
 PHY = PHYSICAL LAYER DEVICE  
 PMA = PHYSICAL MEDIUM ATTACHMENT  
 PMD = PHYSICAL MEDIUM DEPENDENT

**Figure 56-3—Architectural positioning of EFM:  
 P2MP symmetric 10G-EPON architecture (10 Gb/s downstream, 10 Gb/s upstream)**

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**Figure 56-4—Architectural positioning of EFM:  
 P2MP asymmetric 10G-EPON architecture (10 Gb/s downstream, 1 Gb/s upstream)**



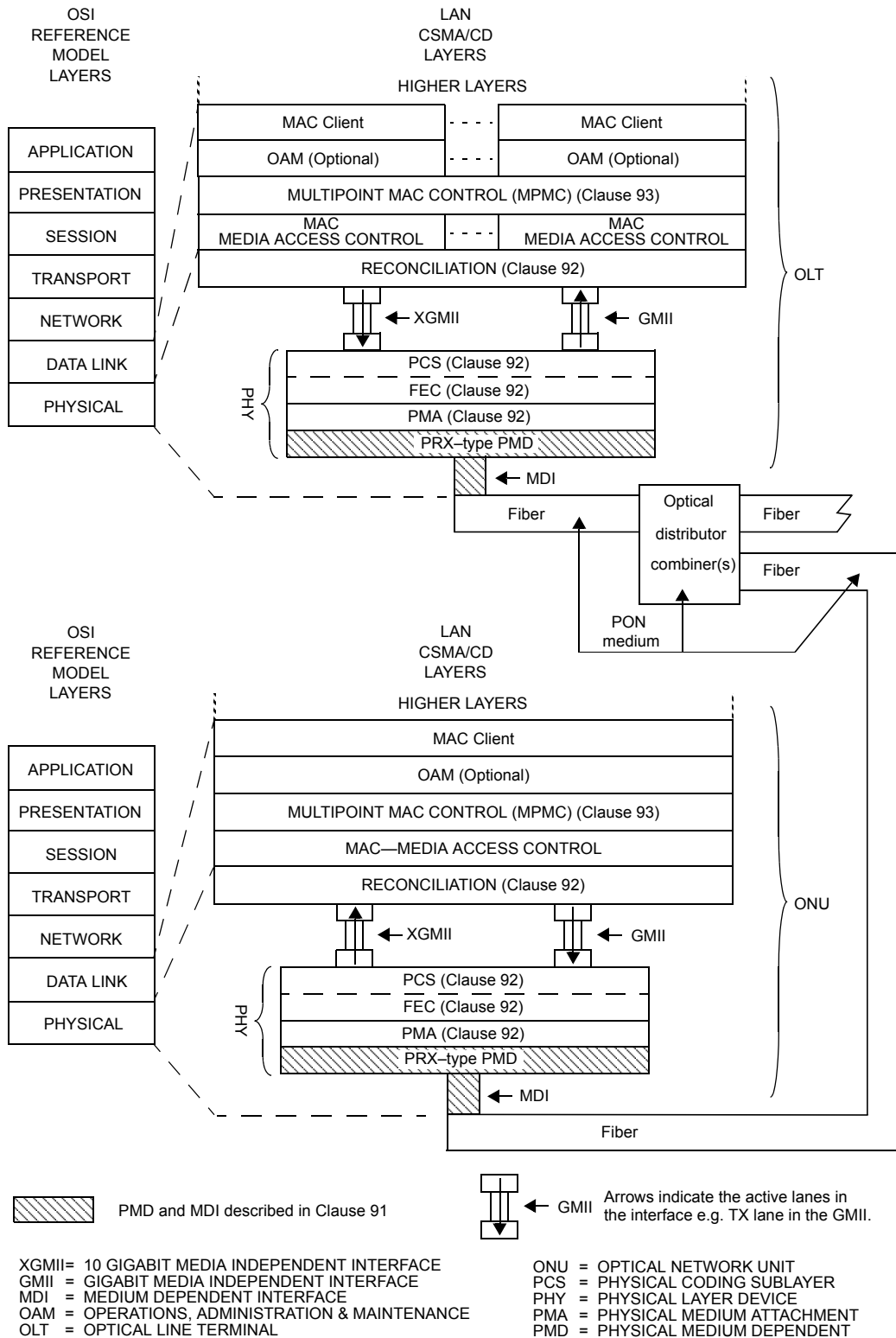
 PMD and MDI described in Clause 91

XGMII = 10 GIGABIT MEDIA INDEPENDENT INTERFACE  
 MDI = MEDIUM DEPENDENT INTERFACE  
 OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE  
 OLT = OPTICAL LINE TERMINAL

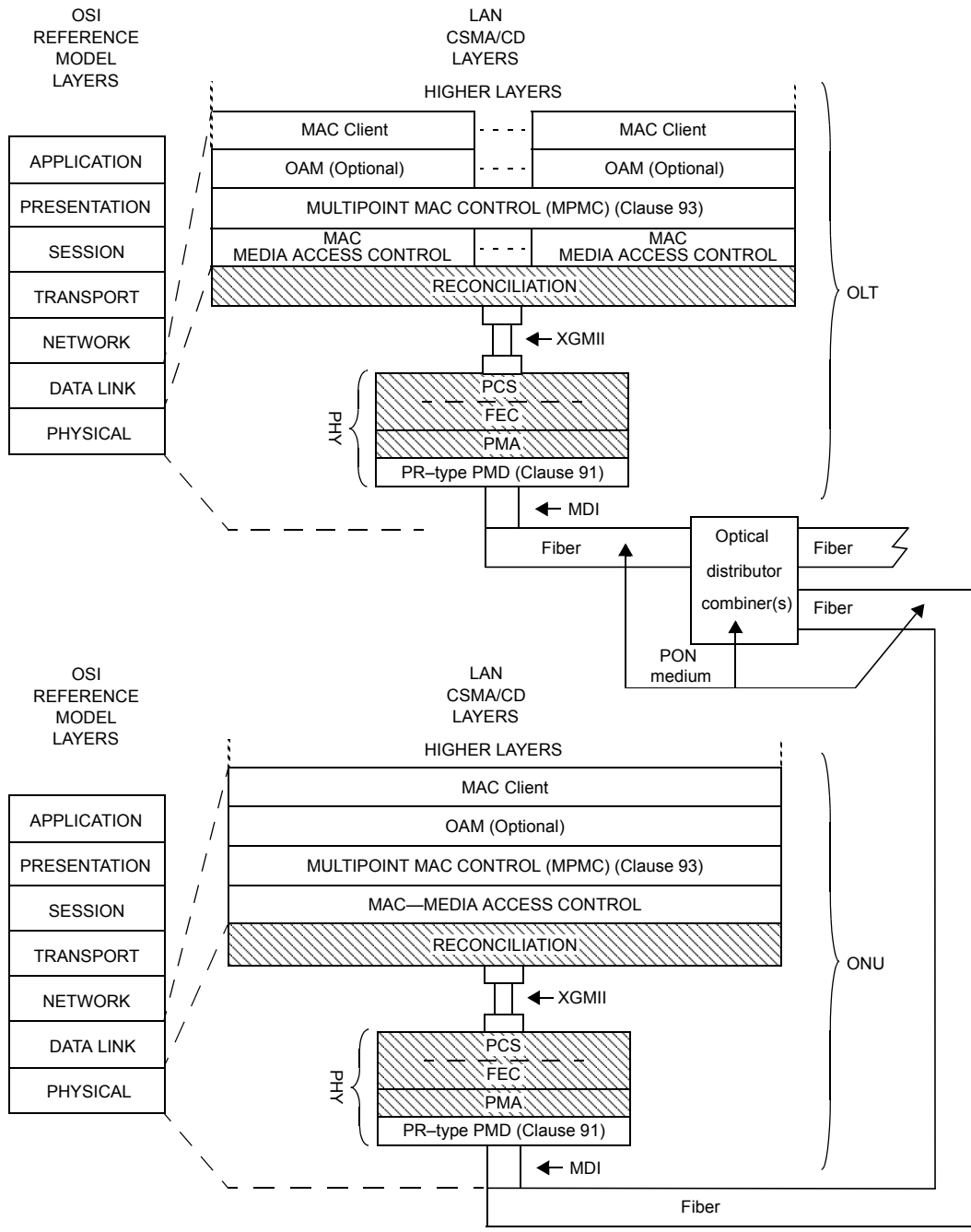
ONU = OPTICAL NETWORK UNIT  
 PCS = PHYSICAL CODING SUBLAYER  
 PHY = PHYSICAL LAYER DEVICE  
 PMA = PHYSICAL MEDIUM ATTACHMENT  
 PMD = PHYSICAL MEDIUM DEPENDENT

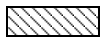
**Figure 91-1—Relationship of 10 Gb/s symmetric P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model**

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**Figure 91-2—Relationship of 10/1 Gb/s asymmetric P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model.**



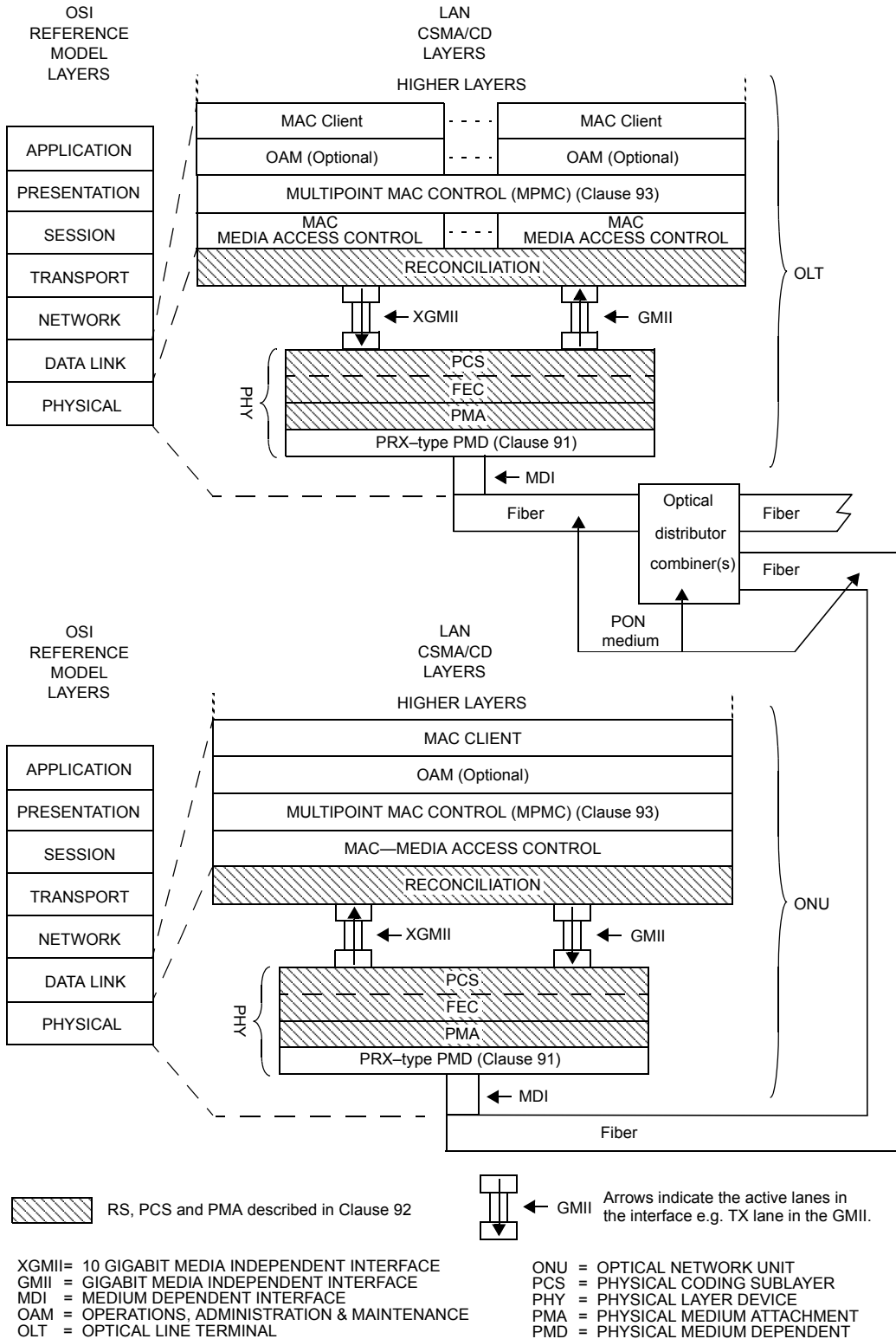
 RS, PCS and PMA described in Clause 92

XGMII = 10 GIGABIT MEDIA INDEPENDENT INTERFACE  
 MDI = MEDIUM DEPENDENT INTERFACE  
 OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE  
 OLT = OPTICAL LINE TERMINAL

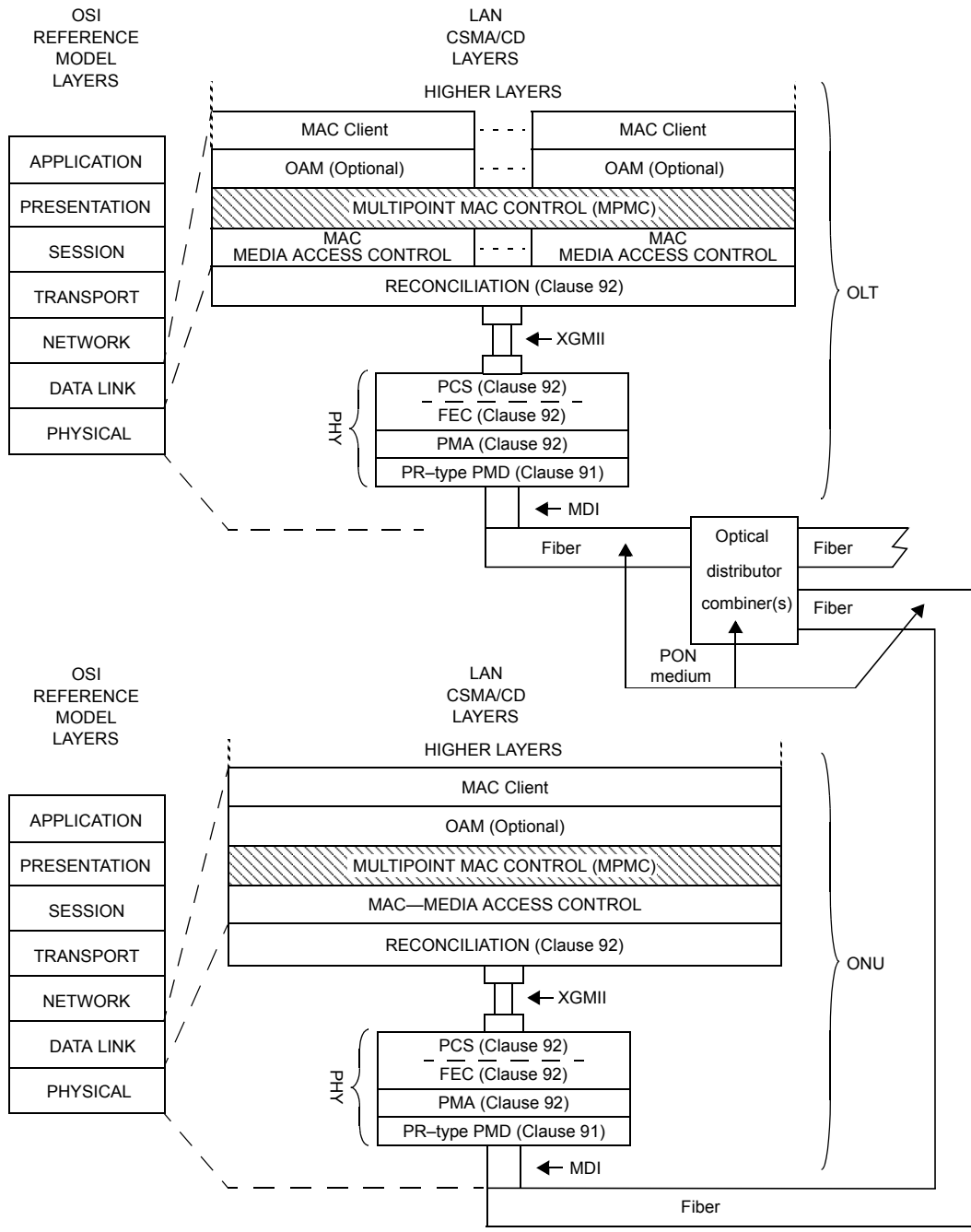
ONU = OPTICAL NETWORK UNIT  
 PCS = PHYSICAL CODING SUBLAYER  
 PHY = PHYSICAL LAYER DEVICE  
 PMA = PHYSICAL MEDIUM ATTACHMENT  
 PMD = PHYSICAL MEDIUM DEPENDENT

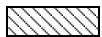
**Figure 92-1—Relationship of 10 Gb/s symmetric P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model**

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**Figure 92-2—Relationship of 10/1 Gb/s asymmetric P2MP PMD to the ISO/IEC OSI reference model and the IEEE 802.3 CSMA/CD LAN model.**



 MPMC described in Clause 93

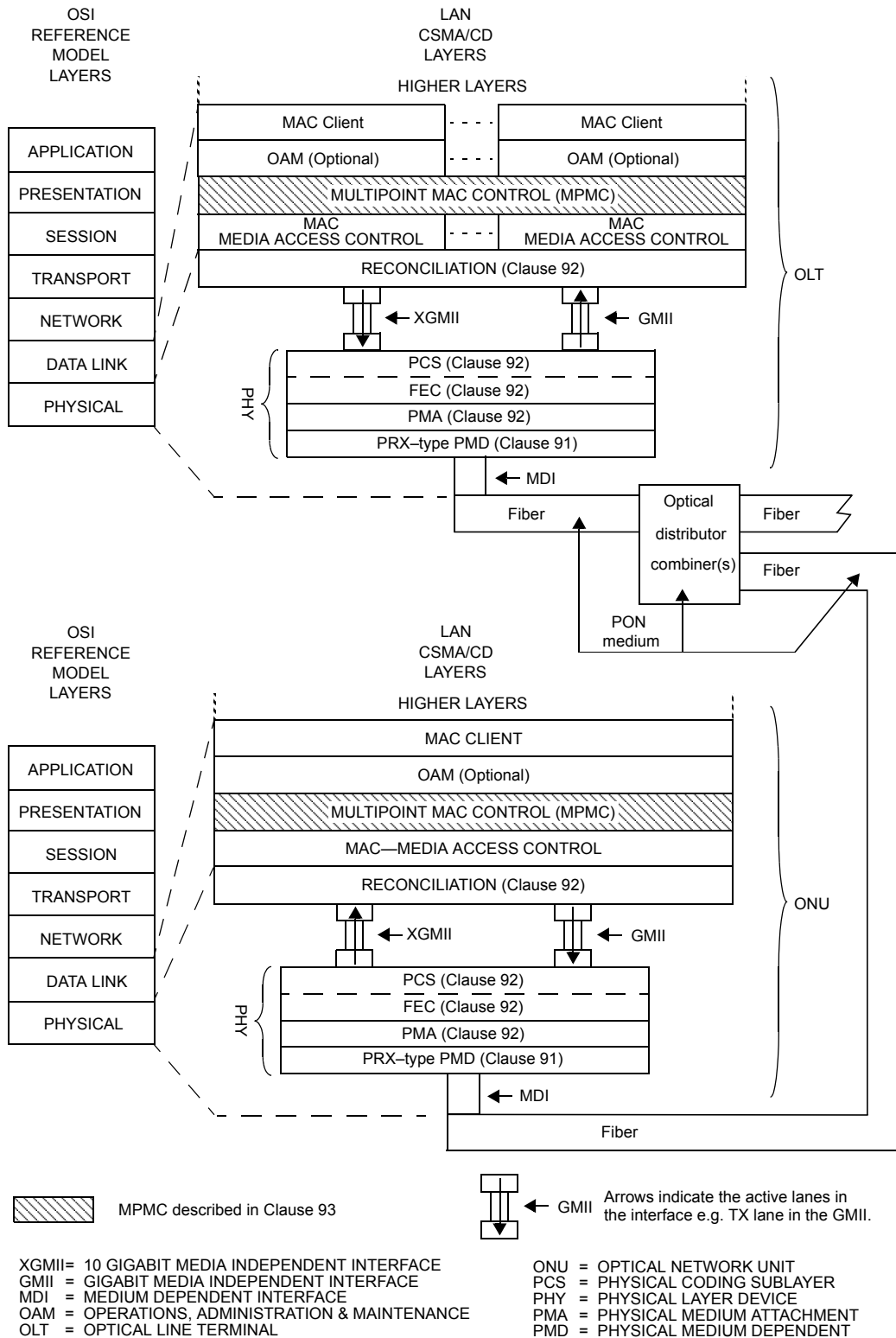
XGMII = 10 GIGABIT MEDIA INDEPENDENT INTERFACE  
 MDI = MEDIUM DEPENDENT INTERFACE  
 OAM = OPERATIONS, ADMINISTRATION & MAINTENANCE  
 OLT = OPTICAL LINE TERMINAL

ONU = OPTICAL NETWORK UNIT  
 PCS = PHYSICAL CODING SUBLAYER  
 PHY = PHYSICAL LAYER DEVICE  
 PMA = PHYSICAL MEDIUM ATTACHMENT  
 PMD = PHYSICAL MEDIUM DEPENDENT

**Figure 93–2.a—Relationship of Multipoint MAC Control and the OSI protocol stack for 10 Gb/s symmetric PON (10 Gb/s downstream and 10 Gb/s upstream)**

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**Figure 93-2.b—Relationship of Multipoint MAC Control and the OSI protocol stack for 10/1 Gb/s asymmetric PON (10 Gb/s downstream and 1 Gb/s upstream).**