1.1 Layer diagrams

The RPR layer model diagrams for each of the clauses are shown below. Figure 1.1 is for Clause 1.

Figure 1.1—RPR service and reference model relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

Figure 1.2 is for Clause 5.

Figure 1.2—RPR service and reference model relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model
Figure 1.3 is for Clause 6.

Figure 1.3—MAC datapath sublayer relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

Figure 1.4 is for Clause 7.

Figure 1.4—RPR RS and PHY relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model
Figure 1.5 is for Clause 9.

![Diagram](image)

Figure 1.5—Fairness control function relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

Figure 1.6 is for Clause 10.

![Diagram](image)

Figure 1.6—Topology and protection control function relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model
Figure 1.7 is for Clause 11.

Figure 1.7—OAM control function relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

Figure 1.8 is for Clause 12.

Figure 1.8—Management entities relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model
Figure 1.9 is for Annex B.

OSI REFERENCE MODEL LAYERS

Application
Presentation
Session
Transport
Network
Data link
Physical

RPR LAYERS

Higher layers

Logical link control (MAC client)

MAC control

Fairness
Topoogy and protection
OAM

MAC Datapath

PRS-1 or PRS-10
GRS
SRS

GMII, XGMII, or XAUI

SPI-x

GFP adaptation
HDL-like adaptation
SONET/SDH PHY

PacketPHY

MDI

Medium

Figure 1.9—Reconciliation sublayer relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

GMII = Gigabit Media Independent Interface
PRS-1 = Gigabit PacketPHY Reconciliation Sublayer
PRS-10 = 10 Gigabit PacketPHY Reconciliation Sublayer
GRS = GFP Reconciliation Sublayer
MAC = Medium Access Control

MDI = Medium Dependent Interface
PHY = Physical Layer Entity
SRS = SONET/SDH Reconciliation Sublayer
XAUl = 10 Gigabit Attachment Unit Interface
XGMII = 10 Gigabit Media Independent Interface
Figure 1.10 is for Annex C.

**Figure 1.10—Reconciliation sublayer relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model**