1.1 Layer diagrams 1 2 The RPR layer model diagrams for each of the clauses are shown below. Figure 1.1 is for Clause 1. 3 4 OSI **RPR LAYERS** 5 REFERENCE 6 MODEL 7 LAYERS 8 Higher layers 9 Application 10 MAC service Logical link control (MAC client) Presentation 11 interface 12 MAC control Session 13 Topology and Fairness OAM protection 14 Transport 15 Network PHY service MAC datapath 16 interface 17 Data link 18 Physical layer Physical 19 Medium 4 20 21 22 Figure 1.1—RPR service and reference model relationship to the 23 ISO/IEC Open Systems Interconnection (OSI) reference model 24 25 Figure 1.2 is for Clause 5. 26 27 OSI **RPR LAYERS** 28 REFERENCE 29 MODEL LAYERS 30 31 Higher layers 32 Application 33 MAC service Presentation Logical link control (MAC client) interface 34 MAC control 35 Session Topology and 36 Fairness OAM protection Transport 37 38 Network PHY service MAC datapath 39 interface Data link 40 Physical layer 41 Physical 42 Medium 4 43 44 Figure 1.2—RPR service and reference model relationship to the 45 ISO/IEC Open Systems Interconnection (OSI) reference model 46 47 48 49 50 51 52

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Figure 1.5 is for Clause 9.



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

Figure 1.6 is for Clause 10.



Figure 1.6—Topology and protection control function relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model



Figure 1.9 is for Annex B. OSI REFERENCE **RPR LAYERS** MODEL LAYERS Higher layers Application Logical link control (MAC client) MAC control Presentation Topology and OAM Fairness protection Session MAC Datapath Transport PRS-1 or PRS-10 GRS SRS Network SPI-x GMII, 4 --XGMII, HDLC-like adaptation or XAUI GFP adaptation Data link SONET/SDH PHY PacketPHY Physical MDI 4 Medium Medium MDI = Medium Dependent Interface GMII = Gigabit Media Independent PHY = Physical Layer Entity SRS = SONET/SDH Reconciliation Interface PRS-1 = Gigabit PacketPHY Sublayer Reconciliation Sublayer XAUI= 10 Gigabit Attachment Unit PRS-10 = 10 Gigabit PacketPHY Interface Reconciliation Sublayer GRS = GFP Reconciliation Sublayer XGMII = 10 Gigabit Media Independent Interface MAC = Medium Access Control Figure 1.9—Reconciliation sublayer relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

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Figure 1.10 is for Annex C. OSI REFERENCE **RPR LAYERS** MODEL LAYERS Higher layers Application Logical link control (MAC client) MAC control Presentation Topology and OAM Fairness protection Session MAC Datapath Transport PRS-1 or PRS-10 GRS SRS Network SPI-x GMII, 4 --XGMII HDLC-like adaptation or XAUI GFP adaptation Data link PacketPHY SONET/SDH PHY Physical MDI 4 Medium Medium MDI = Medium Dependent Interface GMII = Gigabit Media Independent PHY = Physical Layer Entity SRS = SONET/SDH Reconciliation Interface PRS-1 = Gigabit PacketPHY Sublayer Reconciliation Sublayer XAUI= 10 Gigabit Attachment Unit PRS-10 = 10 Gigabit PacketPHY Interface Reconciliation Sublayer GRS = GFP Reconciliation Sublayer XGMII = 10 Gigabit Media Independent Interface MAC = Medium Access Control Figure 1.10—Reconciliation sublayer relationship to the ISO/IEC Open Systems Interconnection (OSI) reference model

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