ISO/IEC/IEEE 8802-1Q AMD 3:2017-07 (E)

Enhancements for sc heduled traffic

Contents

Page

2. Normative references 14

3. Definitions 15

4. Abbreviations 16

5. Conformance 17

5.4 VLAN Bridge component requirements 17
5.13 MAC Bridge component requirements 17
5.24 EVB station requirements 17
5.25 End station requirements—enhancements for scheduled traffic 17

6. Support of the MAC Service 18

6.5 Quality of service (QoS) maintenance 18

8. Principles of bridge operation 19

8.6 The Forwarding Process 19

12. Bridge management 30

12.29 Managed objects for scheduled traffic 30

17. Management Information Base (MIB) 33

17.2 Structure of the MIB 33
17.3 Relationship to other MIBs 34
17.4 Security considerations 35
17.7 MIB modules 36

Annex A (normative) PICS proforma—Bridge implementations 49

Annex B (normative) PICS proforma—End station implementations 51

Annex Q (informative) Traffic scheduling 52

Figures

Figure 8-12—Transmission selection with gates 20
Figure 8-13—Scheduled traffic state machines—overview and relationships 22
Figure 8-14—Cycle Timer state machine 23
Figure 8-15—List Execute state machine 24
Figure 8-16—List Config state machine 25
Figure Q-1—Establishing a guard band 53
Figure Q-2—Using gate operations 54

Tables

Table 8-6—Gate operations 21
Table 12-28—The Gate Parameter Table 30
Table 17-28—IEEE8021-ST-MIB Structure and relationship to this standard 33