



**IEEE Standard for**

**Local and metropolitan area networks—**

**Virtual Bridged Local Area Networks**

**Amendment 14: Stream Reservation  
Protocol (SRP)**

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**IEEE Computer Society**

Sponsored by the  
LAN/MAN Standards Committee

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30 September 2010

**IEEE Std 802.1Qat™-2010**  
(Amendment to  
IEEE Std 802.1Q™-2005)

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**IEEE-SA Standards Board**

**Abstract:** This amendment specifies protocols, procedures, and managed objects, usable by existing higher layer mechanisms, that allow network resources to be reserved for specific traffic streams traversing a bridged local area network.

**Keywords:** Audio/Video Bridging, Bridged Local Area Networks, LANs, local area networks, MAC Bridges, MRP, Multiple Registration Protocol, resource reservation, Virtual Bridged Local Area Networks, virtual LANs

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## Introduction

This introduction is not part of IEEE Std 802.1Qat-2010, IEEE Standard for Local and Metropolitan Area Networks—Virtual Bridged Local Area Networks—Amendment 14: Stream Reservation Protocol (SRP).

This standard amends IEEE Std 802.1Q™-2005, providing protocols, procedures, and managed objects, usable by existing higher layer mechanisms, that allow network resources to be reserved for specific traffic streams traversing a bridged local area network.

This standard contains state-of-the-art material. The area covered by this standard is undergoing evolution. Revisions are anticipated within the next few years to clarify existing material, to correct possible errors, and to incorporate new related material. Information on the current revision state of this and other IEEE 802 standards can be obtained from

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## Contents

1. Overview .....	2
1.1 Scope .....	2
2. References .....	3
3. Definitions .....	5
4. Abbreviations .....	7
5. Conformance .....	9
5.12 End station requirements for MMRP, MVRP, and MSRP and MVRP .....	9
9. Tagged frame format .....	11
10. Multiple Registration Protocol (MRP) and Multiple MAC Registration Protocol (MMRP) .....	13
10.3 MRP Attribute Propagation (MAP) .....	13
10.5 Requirements for interoperability between MRP Participants .....	13
10.7 Protocol specification .....	14
10.8 Structure and encoding of MRP Protocol Data Units .....	15
10.12 Definition of the MMRP application .....	20
11. VLAN topology management .....	21
11.2 Multiple VLAN Registration Protocol .....	21
12. Bridge management .....	23
12.22 StreamReservation Protocol entities .....	23
17. Management Information Base (MIB) .....	27
17.2 Structure of the MIB .....	27
17.3 Relationship to other MIBs .....	29
17.4 Security considerations .....	29
17.7 MIB modules .....	30
34. Forwarding and queuing for time-sensitive streams .....	47
34.2 Detection of SRP domains .....	47
35. Stream Registration Protocol (SRP) .....	49
35.1 Multiple Stream Registration Protocol (MSRP) .....	50
35.2 Definition of the MSRP application .....	53
Annex A (normative) PICS proforma—Bridge implementations .....	77
A.5 Major capabilities .....	77
A.14 Bridge management .....	77
A.24 Management Information Base (MIB) .....	77
A.31 Stream Reservation Protocol .....	78

Annex H (informative) Bibliography .....	81
Annex I (normative) PICS proforma—End station implementations .....	83
I.5 Major capabilities .....	83
I.10 Stream Reservation Protocol (SRP).....	84
Annex Q (normative) Designated MSRP Node (DMN) implementations .....	87
Q.1 Designated MSRP nodes on CSNs .....	87
Q.2 Designated MSRP Node on MoCA .....	90
Q.3 Designated MSRP Nodes on IEEE 802.11 media .....	94

## List of figures

Figure 10-5	Format of the major components of an MRPDU .....	16
Figure 35-1	Operation of MSRP .....	50
Figure 35-2	Format of the components of the reservation FirstValue fields .....	60
Figure 35-3	Format of the components of the Domain FirstValue .....	65
Figure Q-1	CSN backbone .....	87
Figure Q-2	Bridge's CSN Model for bandwidth reservation .....	88
Figure Q-3	Talker MSRPDU flow .....	89
Figure Q-4	Listener MSRPDU flow .....	89
Figure Q-5	DMN ConfirmationTransaction .....	93
Figure Q-6	Bandwidth Reservation—Bridge Model for IEEE 802.11 BSS (STA Downstream Port) .....	96
Figure Q-7	Bandwidth Reservation—Bridge Model for IEEE 802.11 BSS (STA Upstream Port) ...	96
Figure Q-8	Bandwidth Reservation—Bridge Model for IEEE 802.11 BSS (Direct Link Setup) .....	97
Figure Q-9	MSRP/IEEE 802.11 Query Flows .....	97
Figure Q-10	MSRP/IEEE 802.11 Talker STA to Listener STA Reservation Flows .....	98
Figure Q-11	MSRP/IEEE 802.11 “Bridged” Listener to Talker STA Reservation Flows .....	99
Figure Q-12	MSRP/IEEE 802.11 Listener STA to “Bridged” Talker Reservation Flows .....	99



## List of tables

Table 9-2	Reserved VID values .....	11
Table 10-2	MRP EtherType values.....	13
Table 10-5	LeaveAll state table .....	14
Table 12-4	SRP Bridge Base Table row elements .....	23
Table 12-2	SRP Bridge Port Table row elements .....	24
Table 12-3	SRP Latency Parameter Table row elements .....	24
Table 12-4	SRP Stream Table row elements .....	25
Table 12-5	SRP Reservations Table row elements.....	25
Table 17-1	Structure of the MIB modules .....	27
Table 17-19	SRP MIB structure and object cross reference.....	27
Table 35-1	AttributeType values .....	56
Table 35-2	AttributeLength values .....	57
Table 35-3	FourPackedEvent values.....	58
Table 35-4	MSRP FirstValue NumberOfValues example.....	59
Table 35-5	TSpec components examples.....	62
Table 35-6	Reservation Failure Codes.....	64
Table 35-7	SR class ID .....	66
Table 35-8	Summary of Talker primitives.....	67
Table 35-9	Summary of Listener primitives .....	67
Table 35-10	Talker Attribute Propagation per port .....	72
Table 35-12	Updating Dynamic Reservation Entries .....	73
Table 35-11	Incoming Listener Attribute Propagation per port .....	73
Table 35-14	Listener Declaration Type summation .....	74
Table 35-13	Updating <i>operIdleSlope(N)</i> .....	74
Table Q-1	IEEE DMN Device Attribute IE.....	91
Table Q-2	SRP to MoCA PQoS Transaction mapping.....	95
Table Q-3	SRP TSpec to MoCA TSPEC mapping.....	95
Table Q-4	SRP StreamID to MoCA PQoS Flow transaction mapping .....	95
Table Q-5	SRP to MLME QoS Services mapping .....	101
Table Q-6	EDCA-AC for AV Streams .....	102
Table Q-7	HCCA for AV Streams.....	103



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## Editorial Note

This amendment specifies changes to IEEE Std 802.1Q™ that allow network resources to be reserved for specific traffic streams traversing a bridged local area network. Changes are applied to the base text of IEEE Std 802.1Q-2005, as modified by those amendments that had been approved, but not incorporated into the base text of the standard, at the time that this amendment was approved, namely (in chronological order) IEEE Std 802.1ad™, IEEE Std 802.1ak™, IEEE Std 802.1ag™, IEEE Std 802.1ah™, IEEE Std 802.1Q-2005/Cor 1, IEEE Std 802.1ap™, IEEE Std 802.1Qaw™, IEEE Std 802.1Qay™, IEEE Std 802.1aj™, and IEEE Std 802.1Qav™. Text shown in bold italics in this amendment defines the editing instructions necessary to make changes to this base text. Three editing instructions are used: ***change***, ***delete***, and ***insert***. ***Change*** is used to make a change to existing material. The editing instruction specifies the location of the change and describes what is being changed. Changes to existing text may be clarified using ***strikeout*** markings to indicate removal of old material, and ***underline*** markings to indicate addition of new material). ***Delete*** removes existing material. ***Insert*** adds new material without changing the existing material. Insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. Editorial notes will not be carried over into future editions of IEEE Std 802.1Q.