



IEEE Standard for

Local and metropolitan area networks—

Virtual Bridged Local Area Networks

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

IEEE Computer Society

Sponsored by the
LAN/MAN Standards Committee

IEEE
3 Park Avenue
New York, NY 10016-5997, USA

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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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

IEEE Standard for Local and metropolitan area networks— Virtual Bridged Local Area Networks Amendment 14: Stream Reservation Protocol (SRP)

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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.