

PAR DRAFT for considerations
Ingress ~~Policing~~ **Filtering**

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2.1 Project Title

- Standard for Local and metropolitan area networks--Media Access Control (MAC) Bridges and Virtual Bridged Local Area Networks Amendment: **Ingress Filtering**
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Other PAR Fields (1)

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2017

4.3 Projected Completion Date for Submittal to RevCom: 08/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 30

5.2 Scope: <next slide>

5.3 Is the completion of this standard dependent upon the completion of another standard:
No.

5.4 Purpose: <This document will not include purpose clause>

“MAC Bridges, as specified by this standard, allow the compatible interconnection of information technology equipment attached to separate individual LANs”

5.2 Scope (a) & (b)

5.2.a. Scope of the complete standard: This standard specifies Media Access Control (MAC) Bridges that interconnect individual Local Area Networks (LANs), each supporting the IEEE 802 MAC service using a different or identical media access control method, to provide Bridged Local Area Networks and Virtual LANs (VLANs)

5.2.b. Scope of the project: This amendment specifies ingress filtering procedures, managed objects, and extensions to existing protocols that enable bridges and end stations to police received frames that are detectably out of profile.

5.5 Need for the Standard

- For industrial and automotive and other control oriented networks, there is a need to protect the rest of the network from potential congestion packet drops from misbehaving network devices. This amendment specifies a ingress packet filtering algorithm that allows marking of out of profile packets to be policed, in a bridged LAN.

Other PAR Fields (2)

5.6 Stakeholders for the Standard: Users and producers of systems and components for the enterprise wired and wireless networks.

6.1 Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development: No.

8.1 Additional Explanatory Notes (Item Number and Explanation) : None.