doc.: IEEE 802.11-09/0264r0

Drop Precedence in wireless, wired-Wireless networks

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Abstract

TGaa has "*Graceful degradation of audio video streams when there is insufficient channel capacity, by enabling packet discarding without any requirement for deep packet inspection* " **in its PAR and has received two proposals relating to the addition of packet drop precedence in to 802.11.**

TGaa would like guidance from 802.1 on the aspects of packet drop precedence that have interactions outside of 802.11

Drop Precedence Proposals

- **TGaa has received two proposals endorsing the addition of packet drop precedence in to 802.11**

Proposal	**802.11-09/0022r0** "Intra-AC Differentiated Service"	**802.11-08/0764r1** "Stream Classification Service"
Signalling	802.11 header	802.1ad C-TAG / DSCP
Priority Levels	8 (3 bits)	16 (4 bits)
Drop Precedence Levels	3 (2 bits)	1 (1 bit)

Precedence Levels

- **TGaa would like guidance on how many precedence and priority levels it should support**

  – How many priority levels does 802.1 provide?

  – How many precedence levels does 802.1 provide?

  – What sort of drop rules does 802.1 define?

Table 7-6a—Drop Precedence subfield

B11 B12	Description
00	No special action
01	Drop randomly if necessary
10	Drop all if necessary
11	Reserved

References

- **Implementation for Intra-AC Differentiated Services**
  - IEEE 802.11-09/0022r0

- **Using packet drop precedence for graceful degradation**
  - IEEE 802.11-08/0764r1