Priority for PLCA

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SECURE CONNECTIONS
FOR A SMARTER WORLD

Priorities for PLCA

> ## Summary

- A limitation of PLCA has previously been presented/discussed on ad-hoc and reflector

- May (802.1)

  - http://www.ieee802.org/1/files/public/docs2018/new-TSN-pannell-QoS-for-PLCA-0518-v02.pdf

- Aug (802.3 Ad Hoc)

  - http://www.ieee802.org/3/cg/public/adhoc/cg-pannell-Priority-for-PLCA-0918-v05.pdf

  Comment to the Draft #573 "Add optional support for Priority indication when using the PLCA (multi-drop) option. The communication of Priority is all that is needed in the PHY. The Priority value of the current frames come from & goes to IEEE 802.1 where the policy decision of what frames are allowed to be released to the MAC for transmission after each BEACON is decided."

Update

➢ Don Pannell prepared text / state-diagram changes for resolution for this comment

➢ Some want the solution to go further

  ➢ +Matters of staying within scope have been raised

  ➢ +Questions about which 802.1 clauses work with half-duplex

➢ Propose to study it further, conduct an ad-hoc, and ratify in November