Discussion of PAR for Link-Local Registration Protocol (LRP)

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PAR Draft for LRP

5.2 Scope: This standard specifies protocols, procedures and managed objects to provide link-local registration of attributes.

The standard will serve as a basis for applications in other projects to distribute attributes through a network based on link-local registration.

The standard will consider the constraints of resource limited systems.

5.5 Need for the Project: Current MRP "802.1Q Multiple Registration Protocol" is suited only for applications with limited information rate.

There is a need to overcome this limitation in an efficient manner.

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TBD: Where is LRP assigned?

- current preference of the group is a stand-alone standard
  - style and purpose close to LLDP (802.1AB) in terms of link-local operation
  - one step towards a refactoring of Q

- But two questions were raised:

  1 . If LRP was a separate standard, what would need to be changed in 802.1Q? Would this then need two PARs?

  2. What is LRP for? Is it only for Q?

LRP as a Stand-alone Standard

Question 1: if LRP was a separate standard, what would need to be changed in 802.1Q? Would this then need two PARs?

For LRP, nothing needs to be changed in Q, because LRP

- is a link-local protocol, independent of bridging functions in Q
- is not dependent on the managed objects defined in Q
- does not mandate adding new or changing existing features in Q

***Extended discussion**: if we make LRP stand-alone, where would one put the applications?*

- *Would it be allowed to define the LRP applications (like SRP) also outside of Q?*
- *Are there any restrictions if the application of LRP resides outside of Q? (e.g. Is it allowed for this application to configure FDB entries or meter?)*

Question 2: What is LRP for? Is it only for Q?

not just for Q, IETF might use it

Conclusion

The decision is:

Thank you for your attention!

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