

Some Taxonomy Considerations

DetNet Interim Meeting
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Enhanced DetNet Data Plane: Progress

- Initial Eval: In general, proposed mechanisms address requirements.
 - Partially or completely, varies by proposed mechanism and requirement.
 - Useful information (also resulted in an improved requirements draft)
- Next step: look beyond requirements to decide what to standardize
 - Different mechanisms will be more/less applicable to different sorts of networks
 - But exhaustive applicability analysis will be exhausting ☹️.
- Context: IEEE standardized multiple TSN mechanisms
 - Multiple DetNet mechanisms should be ok (especially with applicability differences)
- Role of taxonomy: characterize proposed scheduling/queuing mechanisms
 - Identify key differences (and their applicability implications)
 - WG might not want to take highly similar mechanisms forward.

Taxonomy Discussion

- What would serious success look like?
- Answer - Agreement on:
 - Classification criteria for taxonomy
 - Top-down taxonomy of TSN and DetNet mechanisms
 - In what ways are the mechanisms alike/different?
 - Role of taxonomy in WG selection of proposed mechanisms to standardize
- Please Discuss
 - Notetakers will record key takeaways in separate section of HedgeDoc meeting minutes in addition to capturing points in ongoing discussion.