

Encoding for WSON Information Model with Impairments Validation

draft-martinelli-ccamp-wson-iv-encode-01

Giovanni Martinelli, Cisco (*)

Moustafa Kattan, Cisco

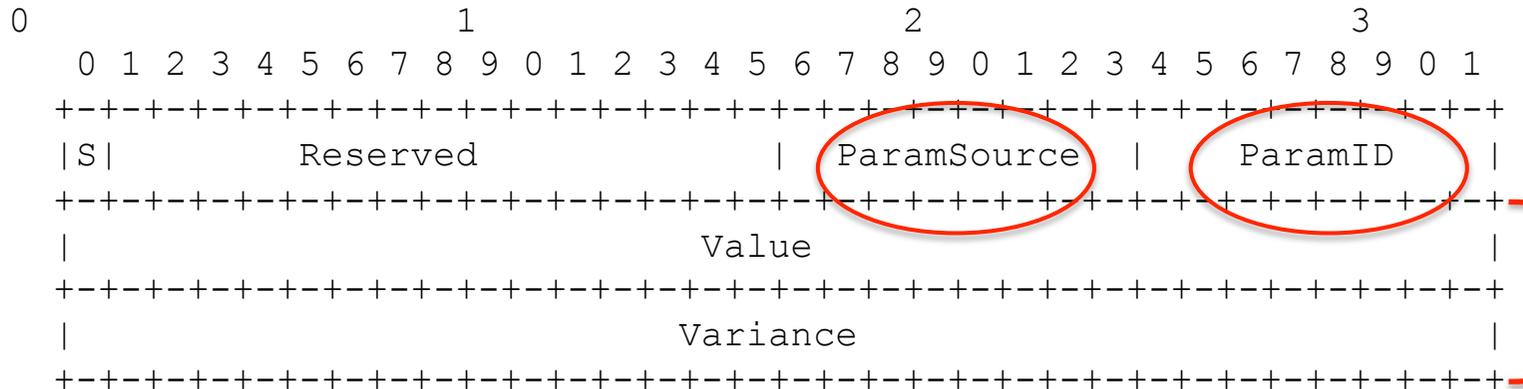
Gabriele Galimberti, Cisco

Andrea Zanardi, Create-Net

Impairment Encode

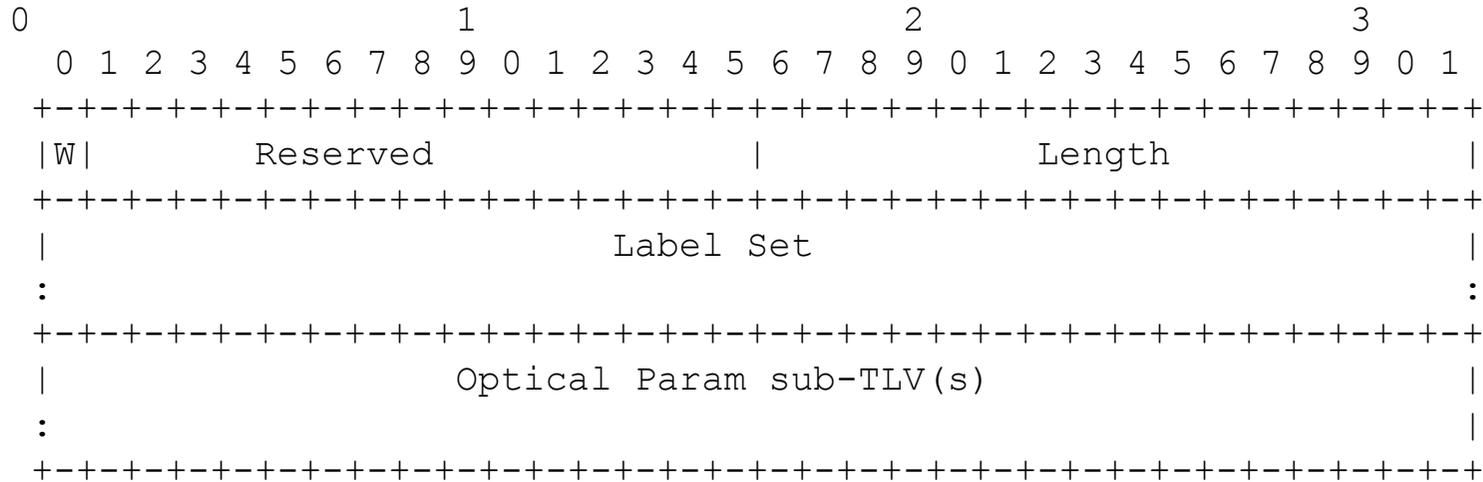
- From Info Model to bits & bytes
- Allow a minimum amount of information
 - Factorizations (by node, for all wavelength)
- Proposal: still to be refined.
- Single parameter as per G.697 Appendix V.

Single Parameter Encoding



- S: standard bit, 1 means ITU parameters
- ParamSource/ParamID: **G.697** Appendix V
- Value/Variance IEEE 32bit floating point (**G.697**).

Impairment Vector



- A list of optical parameters
- May have wavelength dependency (flag: W, WSON Label Set)

Conclusion

- To refine flag management: node vs. wavelength factorization.
- Fate sharing with the companion (just presented) info model.

THANK YOU!