

Wavelength Plan Proposal for NGEPON

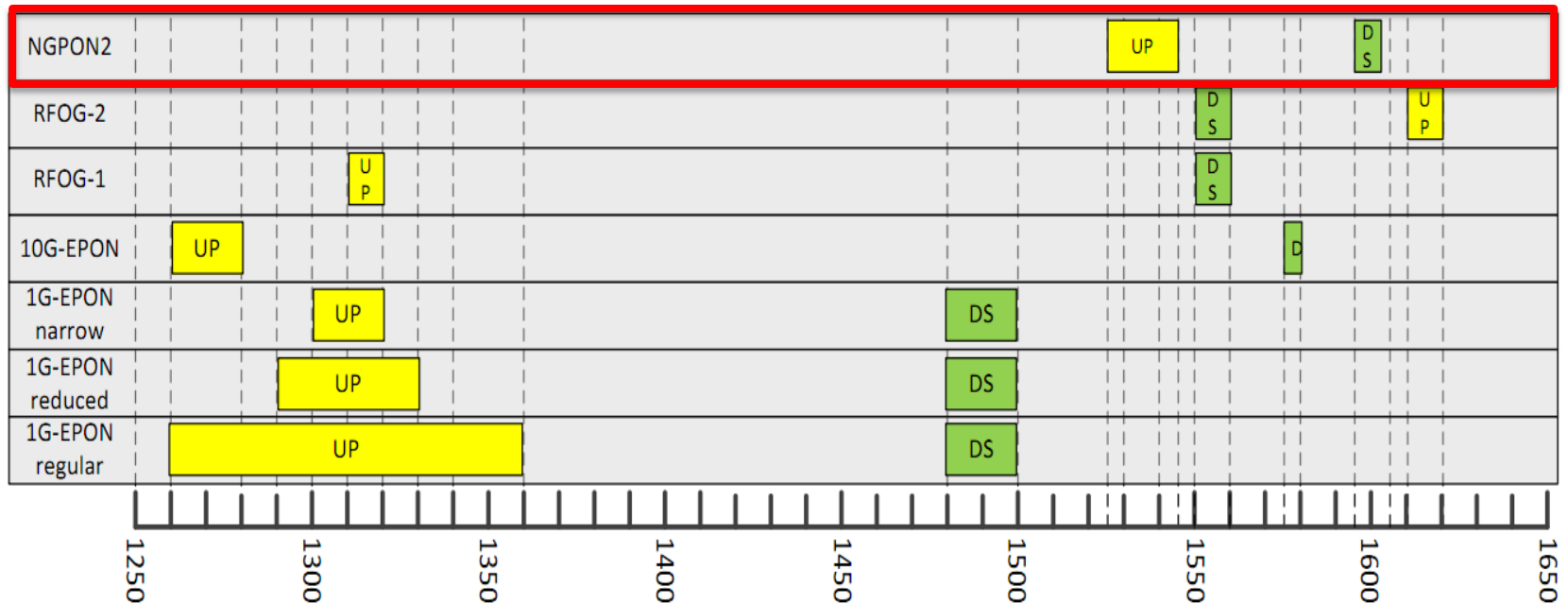
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Existing Wavelength Plans



Coexistence with Existing EPON

- 1G EPON will continue playing a big role in future.
- 10G EPON is now being deployed and will be used for quite some time.
- NGEPON should adopt coexistence with existing EPON standards.

Coexistence with RFoG

- RF overlay will provide services for many subscribers in the foreseeable future.
- “Coexistence with current 1G-EPON and RF overlay will be necessary” is from KDDI’s view. “agata_ngepon_01_0314.pdf”
- NGEPON should adopt coexistence with RFOG.

Proposal to Add Recommendation to Report

- If the IEEE NGEPON Task Force chooses a multi-lambda approach, then recommend that the task force consider adopting the wavelength plan used by the ITU NGPON2 for NGEPON
- The main benefits are:
 - Maintains coexistence with 1 and 10G EPON
 - Maintains coexistence with RFOG
 - Promotes the development of common optical components and lower cost
 - NGPON2's optical devices are already becoming commercially available, which will accelerate availability for NGEPON.