

# FEC Framing Ad Hoc Straw Polls

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# Straw Poll #1 (FEC Framing Ad Hoc)

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- Should FEC be
  - Optional to implement: 0
  - Mandatory to use (always on): 14
  - Mandatory to implement, optional to use: 4
  - No opinion: 1
- Total in the room: 29

# Straw Poll #2 (FEC Framing Ad Hoc)

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- Upstream burst should have a sync preamble 0x5555... followed by a BurstDelimiter of size to be determined later
- Y: 11
- N: 0
- No opinion: 10
- Total in the room: 29

# Straw Poll #3 (FEC Framing Ad Hoc)

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- 10G EPON FEC should use self-synchronous scrambler
- Y: 8
- N: 0
- No opinion: 14
- Total in the room: 29

# Straw Poll #4 (FEC Framing Ad Hoc)

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- In downstream direction, synchronization should rely on:
- Block sync headers (00 and 11) Y: 10
- Codeword sync-header Y: 5
- Serial FEC matching Y: 6

(Chicago rules)

# Straw Poll #5 (FEC Framing Ad Hoc)

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- Upstream and downstream directions should use identical FEC codeword formats
- Y: 12
- N: 0
- No opinion: 5
- Total in the room: 29

# Straw Poll #6 (FEC Framing Ad Hoc)

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- Should PMA interface-level loopback be possible (with the exception of burst-mode timing)
- Y: 15
- N: 0
- No opinion: 3
- Total in the room: 29

# Task Force Straw Polls

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# Straw Poll A (Task Force)

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- Upstream burst should have a sync preamble 0x5555... followed by a BurstDelimiter of size to be determined later
- Y: 13
- N: 0
- No opinion: 30
- Total in the room: 43

# Straw Poll B (Task Force)

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- Add to channel link model ad hoc charter a requirement to analyze non-linear impairments from/to additional services/channels. The document should be separate from the Link Model spreadsheet.
  - Yes: 30
  - No: 0
  - No opinion: 0

# Straw Poll C (Task Force)

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- Should FEC be
  - Optional to implement: 0
  - Mandatory to use (always on): 22
  - Mandatory to implement, optional to use: 1
  
  - Too early to decide: 14
  - No opinion: 0
  
- Total in the room: 38

# Straw Poll D (Task Force)

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- If FEC is implemented, ...
  - MAC rate should remain 10Gb/s,  
PMA/PMD rate should increase: 1
  - MAC rate should decrease,  
PMA/PMD rate should remain 10.3125 Gb/s: 18
  - I will study more: 1
  - Too early to decide: 9
  - No opinion: 1
- Total in the room: 36