

EFM OAM

Schedule and Work Plan

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EFM OAM Status

- Draft 1.2 reviewed
 - Received almost 160 comments
 - Almost half T/TR
 - Areas of controversy
 - Loopback
 - State machines
 - Events

EFM OAM Plan for the week

- Not a complicated week:
- Comment Resolution:
 - Tues, Weds, and (maybe) Thursday morning



End-of-Week OAM Recap

OAM Recap - Summary

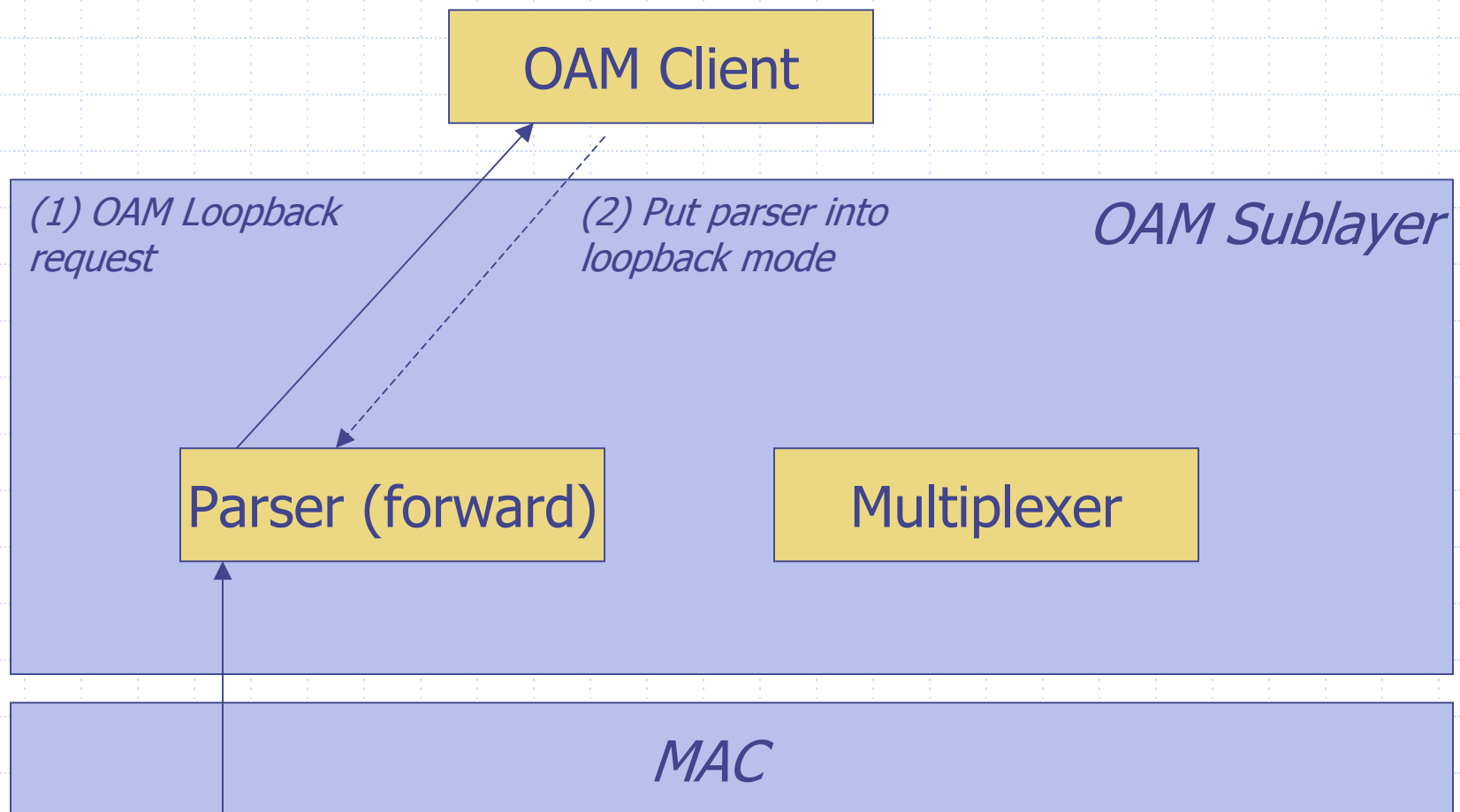
- All comments resolved!
 - About half T/TR
 - About half E
 - Couple added by STF
 - 160 total
 - Major thanks to editors
- Major issues of the week:
 - Loopback state machines
 - Event definitions

OAM Recap - Loopback

- Several comments on correctness and complexity of loopback state machines
- Changes:
 - Removed state machine
 - Instead defined behavior of OAM client in response to various events, including reception of loopback request and loopback timer expiry
 - OAM client controls loopback operation by putting parser into various states

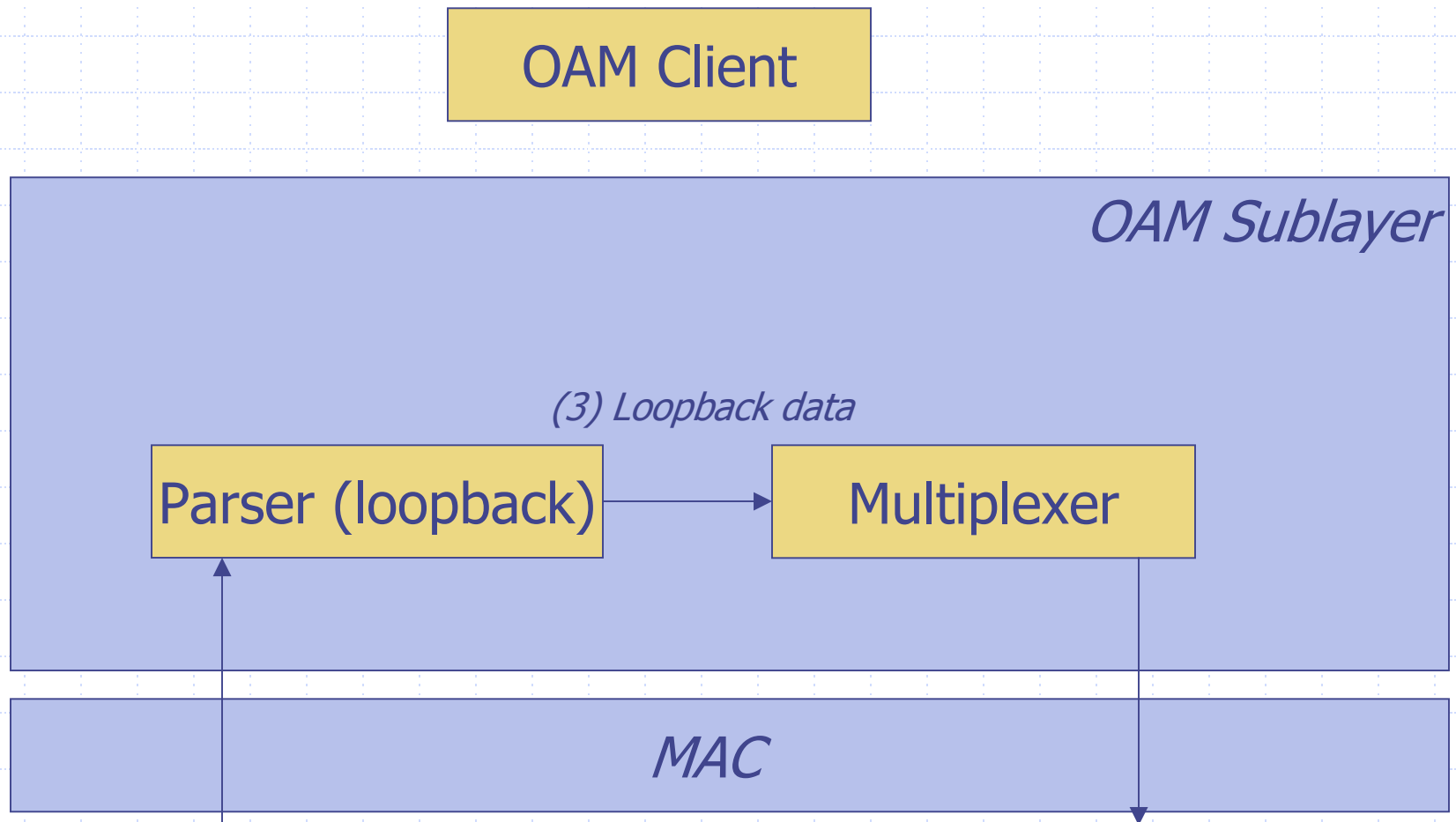
OAM Client Parser Controls

- OAM Client receives loopback request and puts the parser in loopback mode



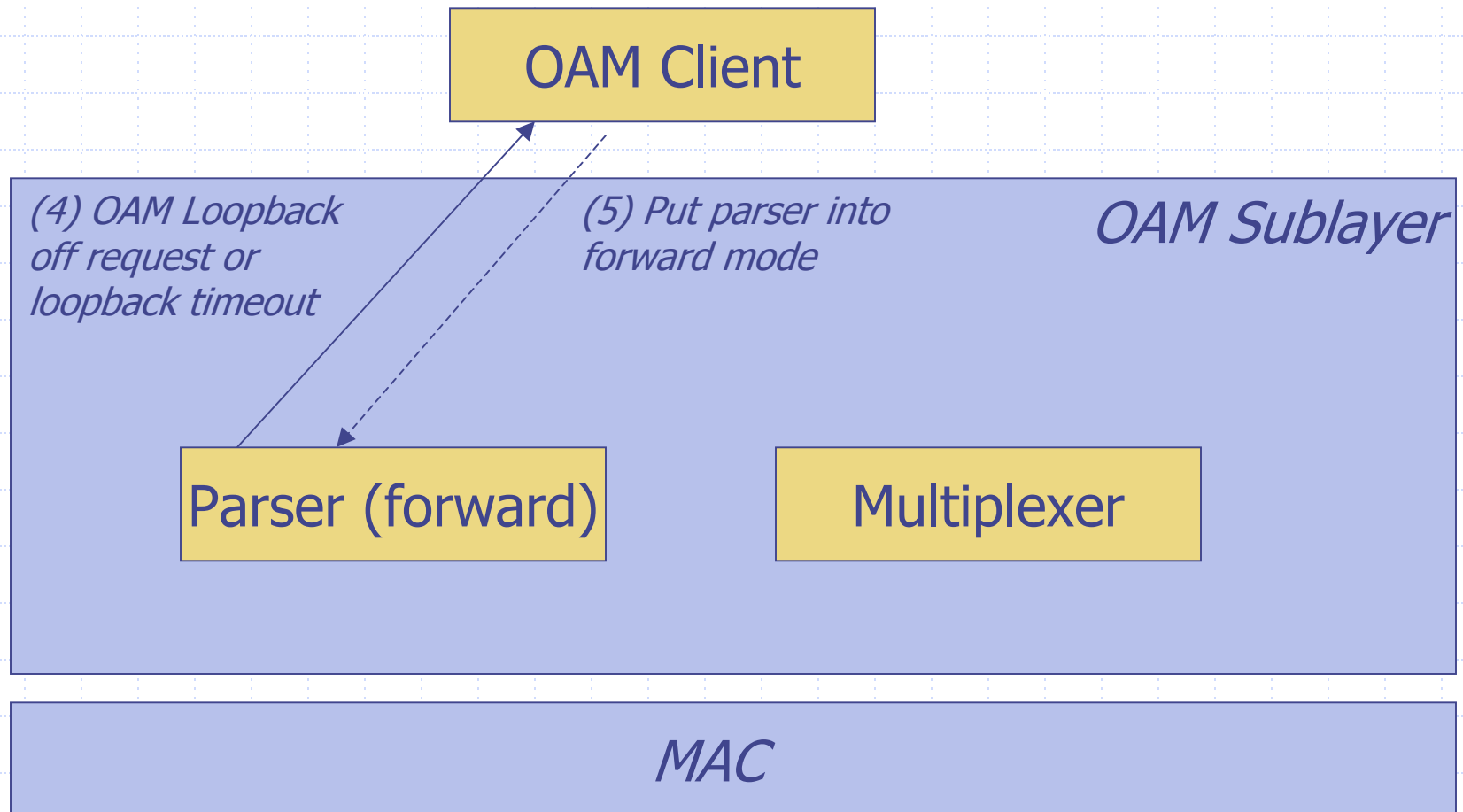
OAM Client Parser Controls

- In loopback mode, parser passes non-OAM frames to multiplexer



OAM Client Parser Controls

- OAM Client again controls exit out of loopback by telling parser to return to forward state



Event Definitions

- Many conflicting comments on event definitions
 - Want fewer event conditions
 - Want more event conditions
- Need more comments on what events are important
- Need to balance utility and complexity
 - Too many symbol errors in a time period
 - E.g. ">100 symbol errors in one second"
 - Too many frame errors in a time period
 - E.g. ">50 frame errors in one second"
 - Too many frame errors out of Y frames
 - E.g. ">20 frame errors out of 1000 frames"
 - Too many seconds had frame errors in a time period
 - E.g. ">10 seconds had frame errors in one minute"
- Thresholds have defaults based on link type, can be altered via Clause 30, but NOT ALTERED REMOTELY VIA OAM

Vendor/3rd Party Extensions

- Received (informal) request from other standard body for “OAM codepoints”
- Handling this by having a “Vendor extension” codepoint
- First few bytes of Vendor extension OAM PDU are OUI (or something else TBD) identifying the defining organization
 - We are not the registration authority!

Motion

- Motion: Accept the comment resolutions as produced by the OAM STF.
 - M: OAM STF
 - S: (none)
 - All: Y: N: A:
 - 802.3: Y: N: A: