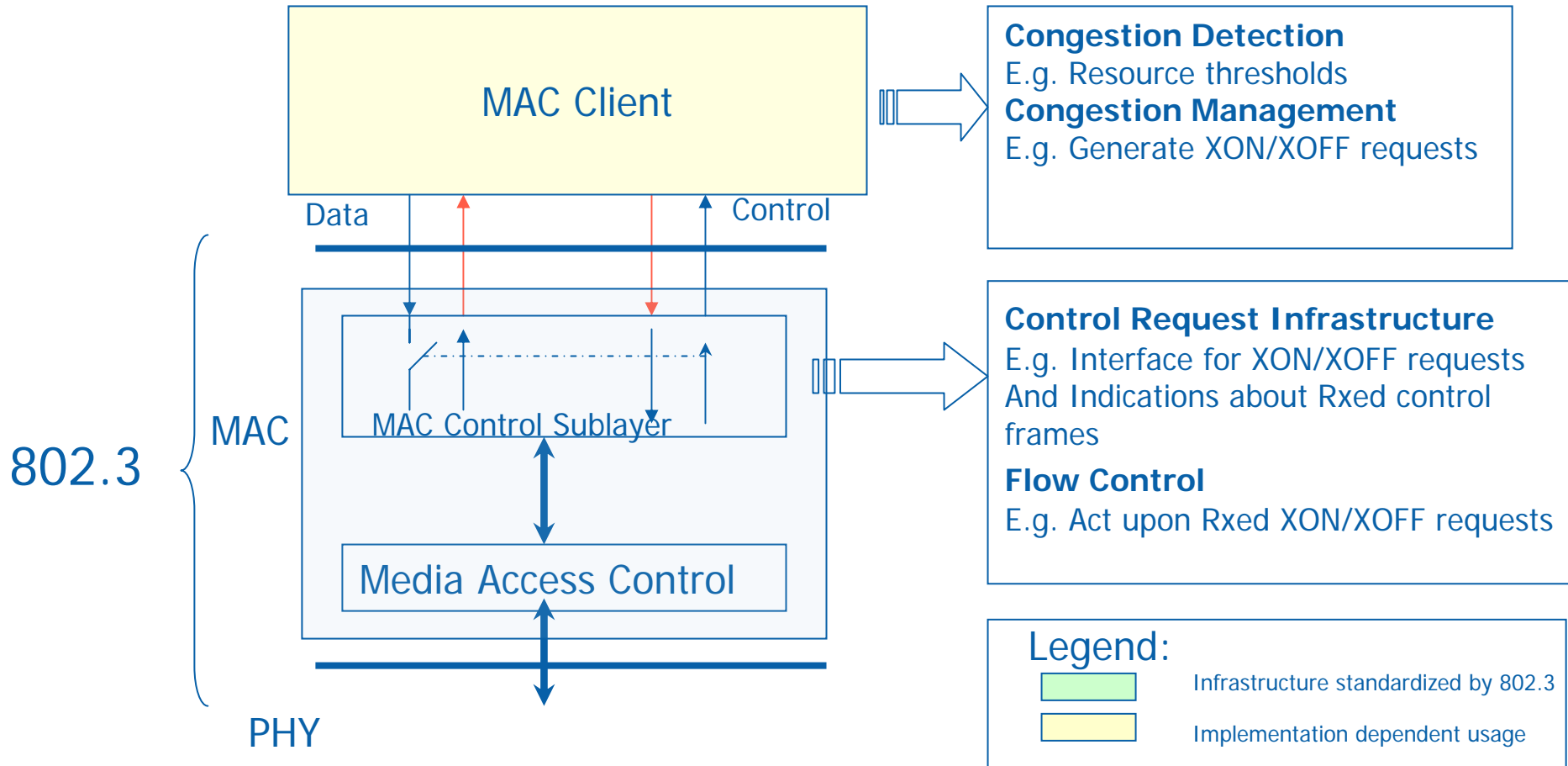




Priority-based Flow Control and 802.3x

Manoj Wadekar

802.3x: Layer and Interfaces

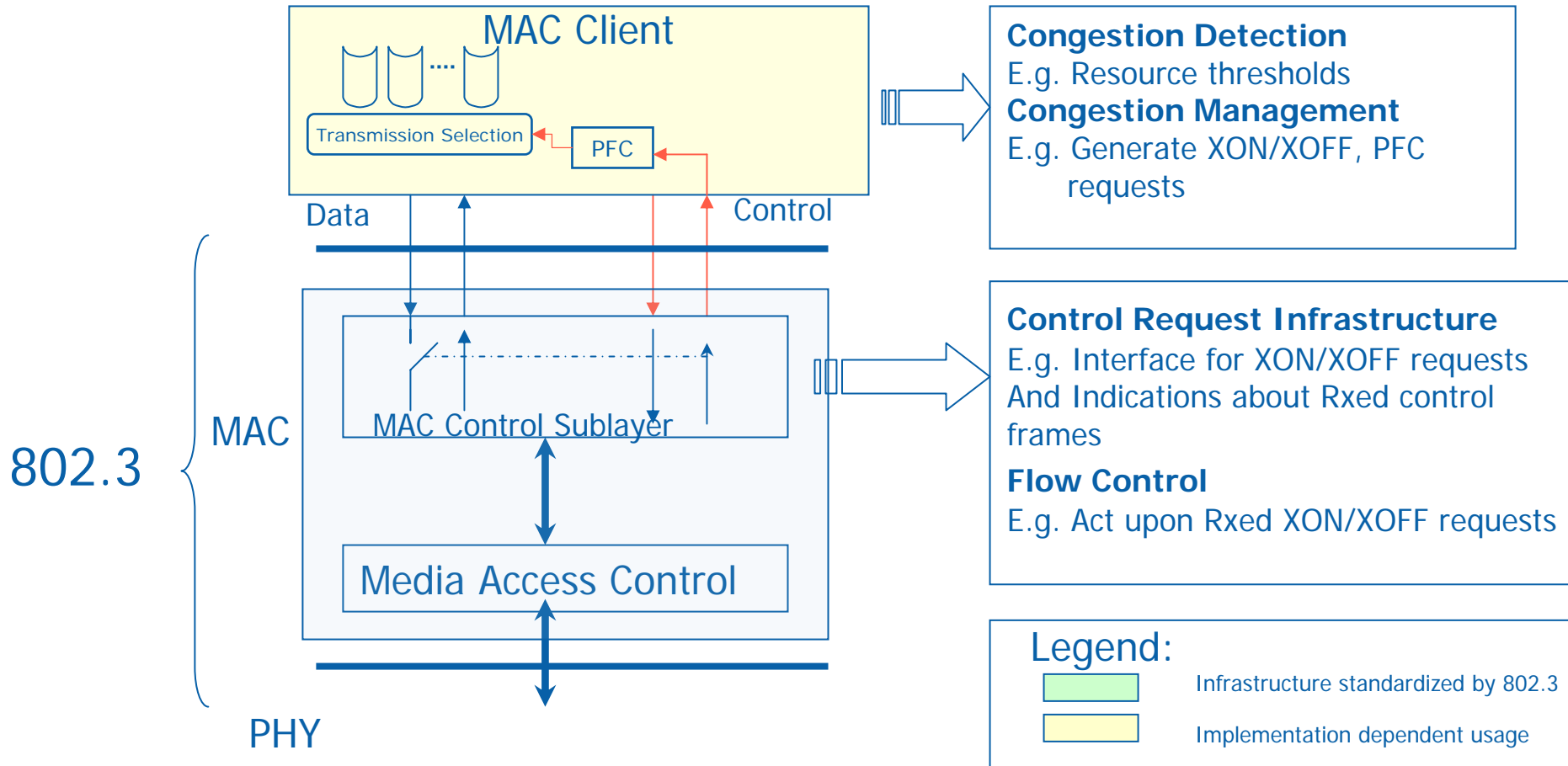


Verdana regular 7pt.
Legal text goes here

802.3 has frame format and transmission selection
MAC Client has control, but unspecified



802.3x: Layer and Interfaces



802.1 to specify PFC frame, transmission selection and control

802.3 maintains link FC frame and TS



Few thoughts

- Leaving link level FC in 802.3 and Priority-based Flow Control in 802.1 – Is it necessary to keep it separate?
- Option 1:
 - Enhance 802.3 to handle PFC packets and enhance MAC-Client interface to support PFC
 - Provide FC and PFC request generation and response at queue level in 802.1
- Option 2:
 - Should we combine link Flow Control and Priority-based Flow Control in 802.1?
 - Migrate 802.3 functionality to 802.1
 - Deprecate 802.3x clause (31B) from 802.3
 - But, it appears – there are more 802.3 protocols that use same EtherType (EPON?)
- Option 3:
 - Leave Annex 31B in 802.3
 - Implement PFC functionality in 802.1
 - Do not consolidate these functions in documentation