TST Meeting 2017/05/31

P4 southbound architecture (Carmelo + Andrea)

https://docs.google.com/presentation/d/1QtvqX2gsA1XJqSCGXh5aOfZcOaiGit4FPc9rsFA7YNg/edit?usp=sharing

- P4runtime
    - Would be good to have clarification of "blocking" semantics of write calls
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- How are changes to P4 program at runtime handled?
    - Not an initial focus
    - Device would disconnect and reconnect as a new device; pipeline-aware application would have to reprogram the new tables
    - Pipeline-agnostic applications may need to resubmit intents/flow objectives and allow the new pipeliner to recompute the appropriate rules
- General Device Provider
    - Focus is to support control protocol where the Device plays the server role.
        - If we focus on this type (device=server) of protocol, probably want to revisit how we interact with Mastership service.