



# WT-304 & LMAP Plugfest

Source: Lincoln Lavoie

Presented to: LMAP/WT-304  
workshop

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# Interoperability Drivers

- Expectation for large numbers of measurement agents (MAs) to be deployed
  - Large number of MAs will also likely be provided by different suppliers and/or manufacturers
  - This will also span multiple generations of equipment and standards as networks and deployments evolve
- Controllers, data collectors, and MAs will need to be interoperable to ease the rollout
  - Some of this can be controlled / contained within a single domain (i.e. operator selection of equipment)
- MAs (and measurement peers) will need to interoperability with performing measurements between domains

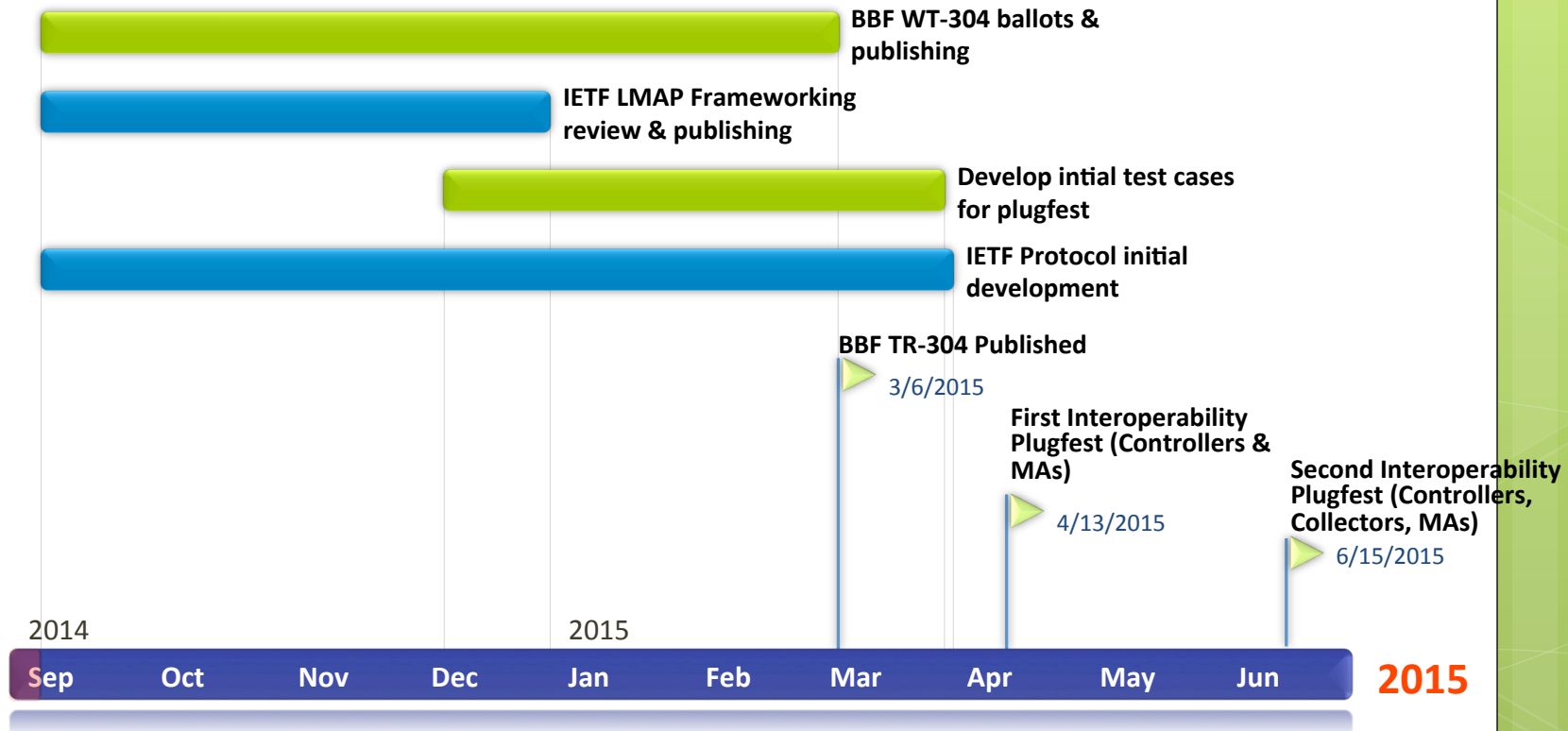
# Plugfest Background

- Typical minimum participation at 5 companies/ implementations, more ideally at least 10 or more
- Highest success when driven by forum or standards organization
- Operate under joint NDA, signed by all participating companies
- Events require well scoped test plan, allowing companies to prepare for the event in advance
- Include N-way testing, based on test schedule to ensure all participants get equal time to connect to other participants (goal is any-to-any interop)

# Test Plan Development

- Identify focus for event(s), e.g. interface between controller and MA and/or measurement methods
  - Multiple events, building up to full system testing (Controller/Collector/MA/etc)
- Develop simple topologies, involving 2-4 participants
- Test plan can be developed in parallel with protocol specifications
  - First develop test cases based on information models, keeping protocol abstract (i.e. schedule test, etc.)
  - When protocol standards are “mature” develop protocol specific test cases (i.e. authentication, etc.)

# A Partial Timeline



# Next Steps

- Draft NPIF for OD-ABC: Interoperability Test Plan for WT-304/LMAP Plugfests
  - Call for supporters, etc.
  - Goal to submit the NPIF to Q4 meeting with test plan development start at or following that meeting
  - Includes skeleton test plan (OD document) with limited section headings, etc.
- Plugfests
- More formal testing?
  - It may also be possible to develop more formal test plans, that could be used to verify real life deployments and measurements.