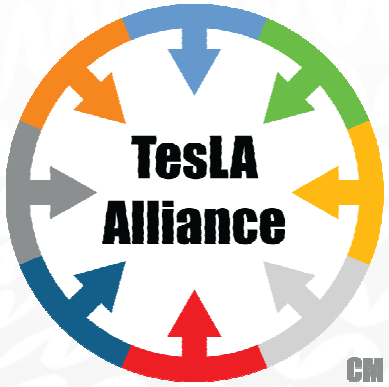
TesLA Quarterly Meeting
TRS Committee
Q2 - Jun 2009



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  - **Resource Scheduling API Specification**
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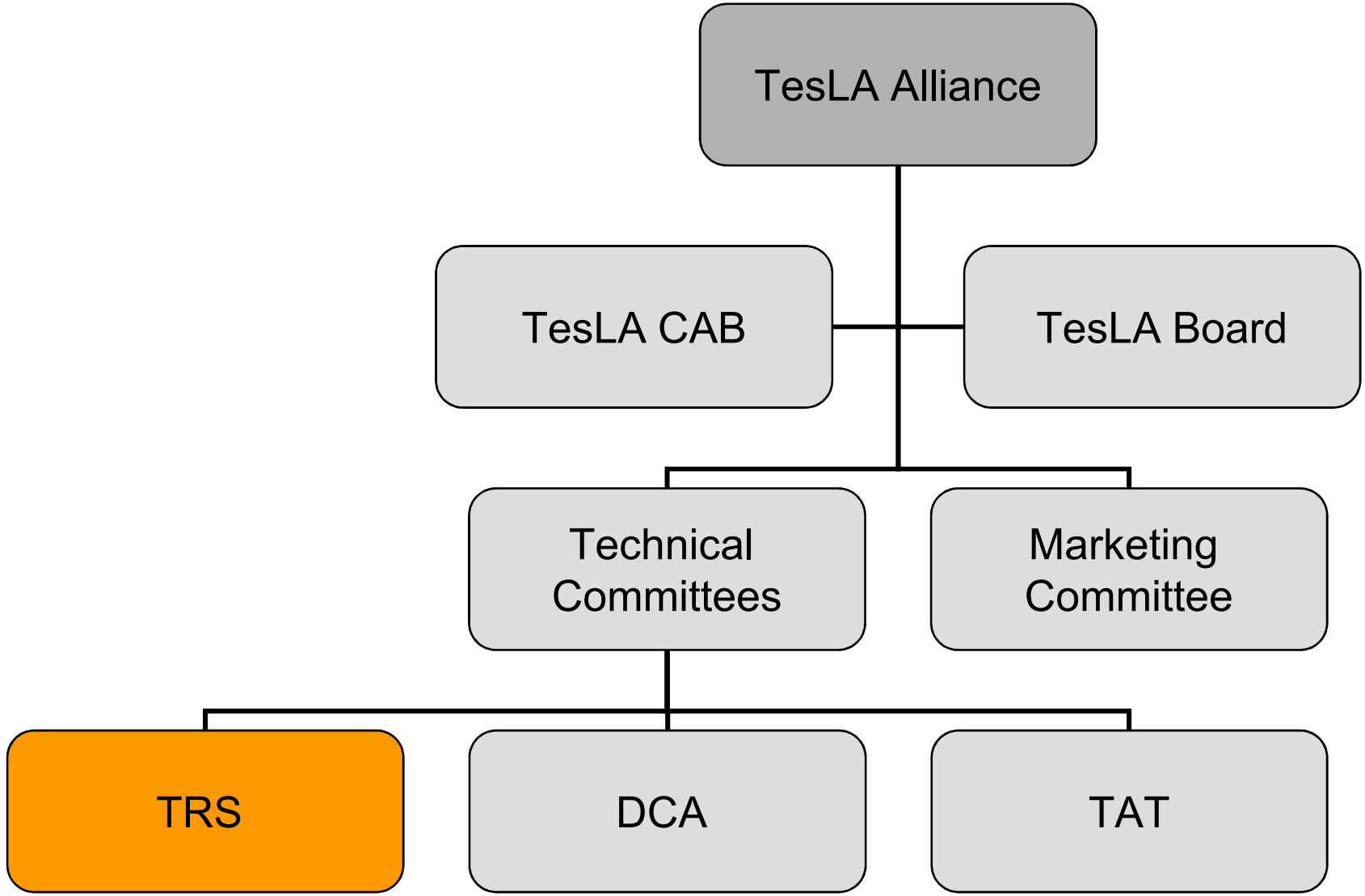
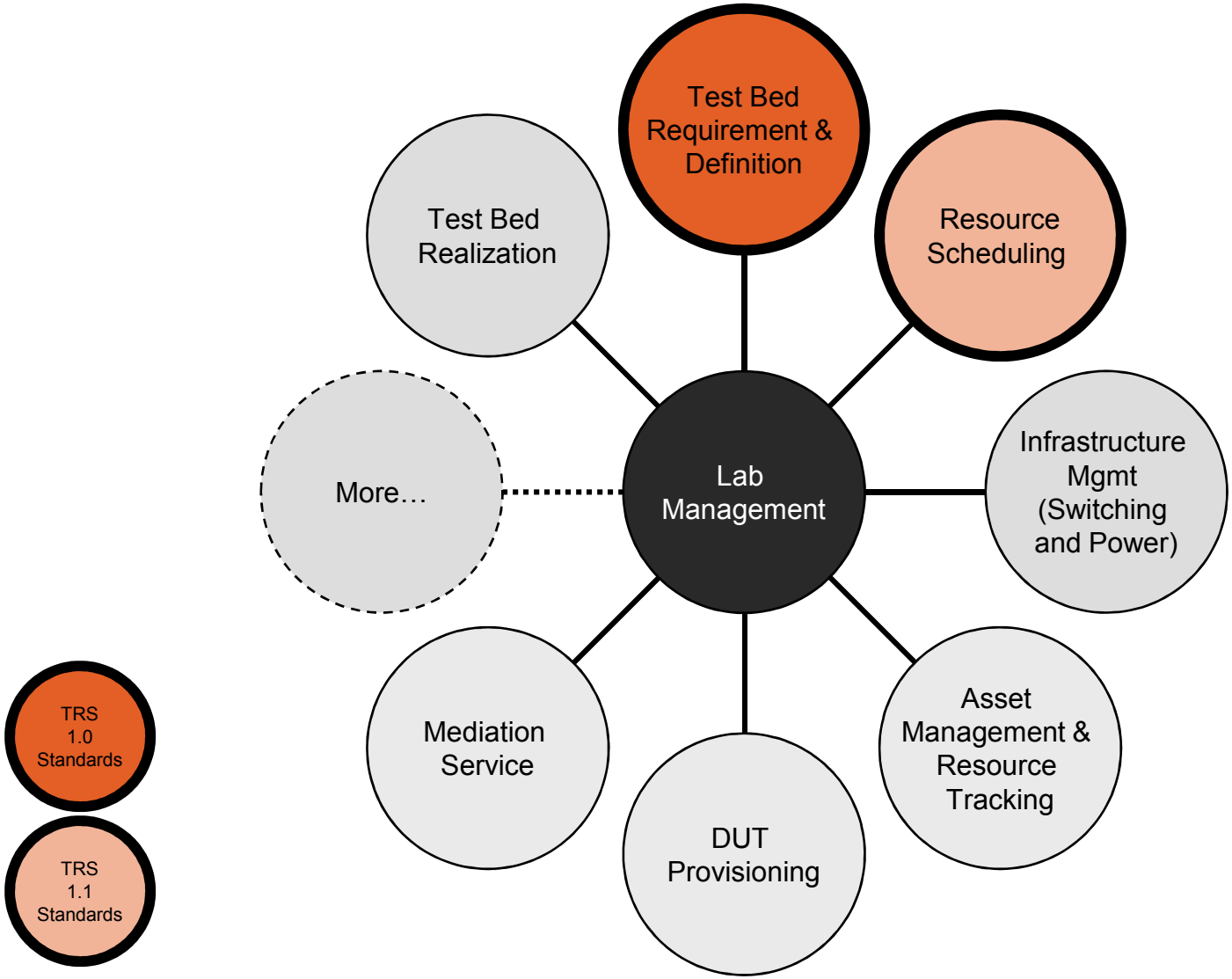
TesLA Committees



TRS Committee

- **New Name**
  - Previously known as Lab SDK
  - TRS to reflect proper positioning and avoid confusion
- **Membership Updates**
  - Gale Technologies (Chair)
  - OnPATH (New)
  - IXIA, Fanfare, APCON (Existing)
- **Logistics**
  - Moved to pbWorks for Content Management
    - http://teslaalliance.pbworks.com/TRS
  - Weekly meeting (Friday 10:00 a.m. Pacific Time)
  - Distribution List: sdk_lab_committee@teslaalliance.org

Scope



Accomplishments

- **Participated to the Big Picture Meeting**
- **Drove TRS Agenda**
  - Organized Wiki Content
    - Specifications
    - Samples
    - Discussion Points
    - Meeting notes
  - Drove & Published and Reviewed TBML Specifications
  - Drove the Scheduling understanding and API definition
- **Enlisted Participations of Members**

Goal

- **Goal**
  - Drive TesLA standards for Lab Management
  - Deliver platform independent and vendor agnostic specifications
  - Keep the specifications simple and easy to implement
- **Deliverables**
  - TBML Markup Language Specification v1.0
    - http://teslaalliance.pbworks.com/TBML-Specification
  - Scheduler API v1.0

TBML 1.0 Deliverables

- **Specification**
  - Online - http://teslaalliance.pbworks.com/TBML-Specification (0.9b)
  - Auto-generated - tbml-core.mht
- **XML Schema**
  - http://teslaalliance.pbworks.com/f/tbml-core.xsd (1.0.0.68)
- **Compliant Samples**
  - `minimal.tbml` (Basic)
  - `example.tbml` (Simple test bed definition)
  - `gigabittesting.tbml` and `gigabittesting-post.tbml` (TBML transformation when given to Scheduler)
  - `onpath.tbml` (OnPATH Switch discovery sample)

TBML Specification 1.0

- **Structurally Simple but Flexible**
  - Support for resources and connectivity definitions using `resource`, `topology` and `link` element types
  - Support for properties for core element types using `property` and `propertyCollection` definition
  - Support for graphical rendering using layers and UI elements (`layer`, `note`, `label` element types
- **Easy to Integrate**
  - Use built-in dictionary definition for property names and resource types
- **Easy to extend**
  - Allows for `tbml:extensions` for 3rd Party and vendor-specific information

Scheduler API 1.0

- **Focus**
  - Focus on Scheduler problem statement and workflow
  - Focus on Integration with other TesLA Sub-systems
- **Documentation**
  - http://teslaalliance.pbworks.com/f/Reservation_Scheduling.pdf
- **API Definition**
  - Will be made available for TRS 1.1 Standard

Next Steps

- **December ’08**
  - New TesLA Lab Committee
- **January ‘09**
  - Phase 1—Initial Proposal by Chair (Gale Technologies)
  - Phase 1—TesLA Lab Committee Reviewed
- **Mar-May ’09**
  - TBML Specification 1.0 DRAFT (Ongoing)
  - Scheduling Requirements 1.0 DRAFT (Ongoing)
  - Publish DRAFT Standard Out
- **June ’09**
  - Engage in Review Process
  - Vote on TRS and DCA Specifications 1.0

Contact Us

- **Lab Committee**
  - TSR Committee, sdk_lab_committee@teslaalliance.org
- **Chair**
  - Patrick Deloulay, Gale Technologies, patrick@galetechnologies.com
  - Andrew Gillis, Gale Technologies, agillis@galetechnologies.com
- **Members**
  - Jitin Dhanani, IXIA
  - Cliff Hannel, IXIA
  - Kingston Duffie, Fanfare
  - Mark Merendino, OnPATH
  - Hee Lui, OnPATH

Thank You