



5G App Optimization Best Practices and Tools

Update to TSG
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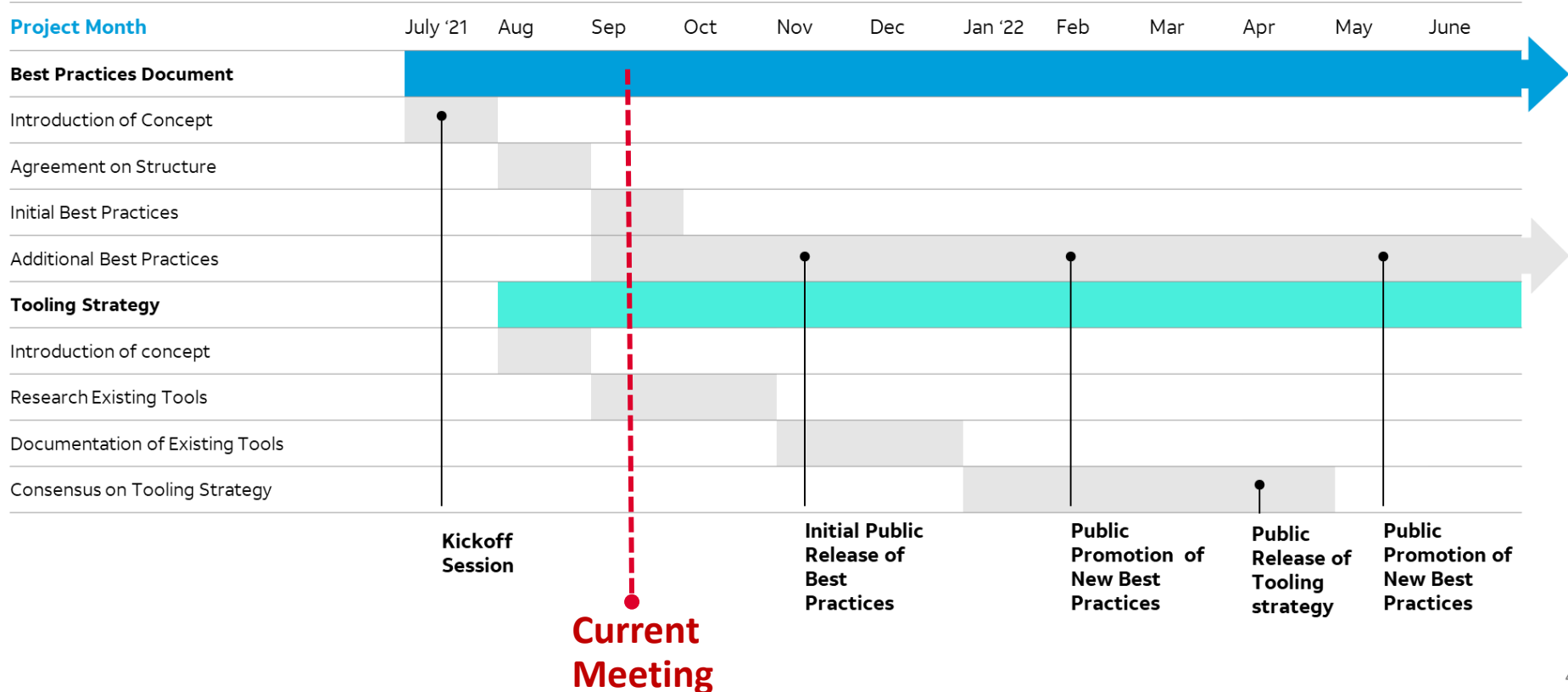
Agenda

- Work Items
- Timeline Review
- Best Practices Document Update
 - Key Element
 - Example of a Best Practice
 - Open Discussion of Potential Best Practices
- Tooling and Test Strategy Update
 - Tooling Types Discussion
 - Open Discussion of Potential Tools for Review
- Next steps

Desired Work Products

1. **Best practices** for **new types** ~~a new class~~ of applications that will take advantage of the ultra-low latency provided by emerging ~~5G~~ Networks.
 1. Identify and document **relevant** ~~5G~~ application patterns
 2. Map the discovered patterns to recommended best practices highlighting potential benefits/gains
2. **Tools and Test techniques** that will enable developers of these ultra-low latency applications to more easily take advantage of ~~5G~~ **emerging** network capabilities and deploy these applications in a way that creates a predictable user experience and minimizes negative impacts on mobile networks.

Proposed Timeline



Best Practices: Update

- Master Document Template (updated by Kay Fritz)
- Key Input Fields for Each Best Practice
 - Intro, Background and Rationale, Issue Details, Recommendation, Psuedo-code/Implementation
- Tracking Sheet
 - Title, Description, Category, Impact, Collaborators, Contributor
- Review Example and Tracking Sheet

Tooling Strategy: Update

- **Output:** Strategic Roadmap for 5G application developer tooling
- **Document Focus:** Tools and Test techniques that will enable developers of these ultra-low latency applications to more easily take advantage of 5G network capabilities and deploy these applications in a way that creates a predictable user experience and minimizes negative impacts on mobile networks.
- **Proposed Approach:**
 - Survey Available Tools (Divide work across the group*)
 - Report back during September/October sessions
 - Document findings and review during November/December sessions
 - Drive to consensus strategy
 - Document strategy and publish

*(*Until MS Teams is in place on IC2, Ed L will update tracking sheet and post)*

Next Steps

- Work group members contribute Best Practice submissions
- Work group members contribute Tooling Survey ideas
- Group members report back next session
- Liaison with other groups, 3GPP, etc to gain additional input