

Connected Intersections Committee Meeting

The following are meeting minutes from meeting of the Connected Intersections (CI) Committee on Monday November 16, 2020 scheduled from 3:00 PM EST to 5:00 PM EST by web conference on GoToMeeting.

The agenda is provided at the end of these minutes.

All times in EST.

Roy Goudy called the meeting to order at 3:02 PM.

Siva Narla reviewed ITE's anti-trust guidelines.

Roll Call of Committee

The committee members in attendance are highlighted in yellow. Note: there is one vacant seat.

Roy Goudy, Nissan (co-chair)	Jesus Ruiz, McCain (alternate for	Steve Bowles, 360 Network
John Thai, City of Anaheim (co-chair)	Mike Schagrin)	Solutions
Christina Spindler, Wyoming DOT	Jim Misener, Qualcomm	Steve Sprouffske, Kapsch
Doug Schimidt, Aptiv	Justin McNew, JMCRota	Vivek Vijayakumar, GM
Ed Seymour, TTI	Mike Shulman, Ford	Whitney Nottage, Q-Free
Faisal Saleem, Maricopa County	Mike Stelts, Panasonic	
Jay Parikh, CAMP	Raj Ponnaluri, Florida DOT	
	Ray Starr, Minnesota DOT	

A quorum is present.

Also in attendance were:

AJ Lahiri, ConSysTec	Jean Johnson, NEMA	Michaela Vanderveen, Stillwater Consulting
Alan Clelland, DKS	Jimmy Upton, ISS	Nicola Tavares, ITE
Blaine Leonard, Utah DOT	John Kenney, Toyota	Patrick Chan, ConSysTec
Bob Rausch, TransCore	Justin Anderson	Ralph Boaz, Pillar Consulting
David Aylesworth	Kevin Balke, TTI	Randy Roebuck, OmniAir
David Benevelli, TransCore	Kevin Chan, Minnesota DOT	Rich Deering, CAMP
Deborah Curtis, USDOT	Linda Nana, Noblis	Siva Narla, ITE
Frank Perry, WSP	Manny Insignares, ConSysTec	William Whyte, Qualcomm
Guoyuan Wu		

Purpose

- Update the CI Committee on Progress of each Task Force

Objective

- Present the progress of each Task Force
- Present the next steps

Project Progress

John Thai went over the progress of the project. First draft of requirements from each Task Force submitted Friday, November 13.

Task Force Reports

- **Positioning Task Force**
 - Jim Misener presented
 - Reqt 4 - latency and accuracy is based on after location corrections are made.
 - Note: there is no requirement on how the OBU determines location accuracy
 - Quality requirements are still under discussion.
 - If a map is highly accurate, then the RTK is not as important - lane accuracy will be good. It's a tradeoff that is being studied.
- **Security**
 - William Whyte presented.
 - Unlike positioning which has a narrow scope, security is all encompassing
 - Propose to create a guideline/templates to allow an agency to self-declare (instead of self-certify) that it has considered the different attack methods (comment to replace vector). Maybe in the future, can specify issues in more detail.
 - Enforcement policy to be determined by the agency.
 - How much effort will it be for a reference implementation site to complete the templates and self-declaration? Not sure right now but will add it as a consideration.
- **Testing/Conformity**
 - Jay Parikh presented an overview of the work the TF has been working on.
 - Manny Insignares presented how test cases are expected to be developed.
 - Christina Spindler presented on the validation self-assessment form for agencies to fill out to gather information for potential validation sites
 - Laying upfront what is being requested from the volunteers for validation sites. USDOT will be providing technical support to respect people's time and effort.
- **Traffic Controller**
 - Roy Goudy discussed progress
 - Ralph Boaz presented the Assured Green Time (AGT) and the requirements
 - Kevin Balke presented the calculation of the AGT under different conditions.
- **SPaT/MAP**
 - Ray Starr presented.
 - Presented some of the more interesting requirements related to the MAP Message

Validation Sites

Roy Goudy discussed progress and reviewed what was presented by Christina Spindler.

- Roy Goudy developing checklist of minimum requirements for reference set up
- **Action:** Siva Narla to send solicitation letters of interest

Project Schedule

John Thai went over project schedule.

- Requirements Walkthrough from 12/7 to 12/10

- Not mandatory to attend all days. See walkthrough schedule to join on appropriate date
- Monday, December 7:
 - Traffic Controller Issues Requirements.
 - SPaT/MAP Requirements. Mostly general message requirements and SPaT Message Requirements
- Tuesday, December 8:
 - Positioning Requirements.
 - SPaT/MAP Requirements. Mostly MAP requirements.
- Wednesday, December 9:
 - Testing/Conformity Requirements.
 - Security Requirements (starting 2:30 PM)
- Thursday, December 10:
 - If needed.
- Next CI Committee Meeting: Monday December 21, 3:00-5:00 EST

Closing Remarks

- Deborah Curtis thanked everyone for the participation and acknowledged everyone's contribution
- Siva Narla also thanked everyone on behalf of the SDOs.

Meeting Adjourned at 5:00 PM.

Agenda

1. Call to Order
2. Anti-Trust Guidelines
3. Roll Call of Committee members
4. Meeting Purpose and Objectives
5. Progress to Date
6. Report from each Task Force
7. Validation Sites
8. Project Schedule