

Connected Intersections Committee Meeting

The following are meeting minutes from a plenary meeting of the Connected Intersections Implementation Guide project on July 19, 2021, scheduled from 3:00 PM to 5:00 PM by web conference.

All times in EDT.

An agenda and chat log are provided.

Call to Order & Welcome

Meeting was called to order at 3:03 PM

The ITE anti-trust guidelines were reviewed by Siva Narla.

Roll Call of Committee Members:

The committee members in attendance are highlighted in yellow.

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

A quorum was present.

Also in attendance were:

Aaron Moore, OmniAir	Iouri Nemirovski, Siemens	MD Omar Faruk, Florida DOT
Asfand Siddiqui, Caltrans	Jimmy Upton, ISS	Mohammed Hadi, FIU
AJ Lahiri, ConSysTec	Jiangchen Li, University of Alberta	Nicola Tavares, ITE
Alex Lemka	Joe Gorman, MDOT	Patrick Chan, ConSysTec
Anthony Gasiorowski, WSP	Justin Anderson, Noblis	Patrick Zelinski, AASHTO
Austin Averkamp, Atkins Global	Kellen Shain, Noblis	Peter Jager, UDOT
Blaine Leonard, Utah DOT	Kevin Vitta, ITS America	Randy Roebuck, OmniAir
Brandon Schlueter, San Diego	Kezhen Shen, Noblis	Rich Deering, CAMP
Brandon Stakeleff	Kingsley Azubike, FHWA	Shah Hussain, CAMP
Charlie Cheng, iSmartways	Krishna Bandi, Ford	Siva Narla, ITE
Danyang Tian, Honda	Kyle Garrett, Synesis Partners	Steve Sill, USDOT
David Aylesworth, Ceve	Mahmood Nesheli, CSA	Steve VanSickle, FIVE36
Deborah Curtis, USDOT	Mary Lynn Buonarosa, UMTRI	Subhadipto Poddar, Clark County
Ed Fok, USDOT	Michael Finocchio, City and County of Denver	Suzanne Murtha, AECOM
Frank Perry, WSP	Michael Lockerman, Denso	Virginia Lingham, WSP
Geoff Knapp, WSP	Michael Maile	William Whyte, Qualcomm
Haydar Issa, Transport Canada		Xiaoyu Guo

Meeting Purpose and Progress to Date

John Thai went over the meeting purpose and progress to date.

Validation subcommittee meeting every week while other task forces are meeting as needed.

Validation Phase

Christina Spindler discussed progress with the validation phase. Validation activities expected to be completed in July. Results and feedback will be used to finalize the CI Implementation Guide.

Jay Parikh discussed the process for data analysis. Jay has software converting field data provided by the validation sites from PCAP to JSON for analysis.

Jay Parikh discussed the status of the individual test sites and the data received, including data received from site at PlugFest in June.

Jay discussed current observations from Field Test Analysis.

- Time in between SPaT messages may be inconsistent and too large.
- RSU and OBU clocks may not be in sync.
- Need clarifications for intersections operating in semi-actuated.
- Need clarifications for signal groups that are broadcasted but are unused.
- Need clarifications for lane level speed limits
- MAP messages have issues with mapped lanes not mapping actual intersection geometry.

Security Task Force Report

Jimmy Upton discussed validation effort with security. Showed snippets of the questionnaires that was provided to validation sites on security. Report on security findings has been posted on Microsoft Teams.

Jimmy gave brief review of content of the security report.

Validation Site Feedback

Roy Goudy asked validation sites for feedback on the CI Implementation Guide.

University of Alberta mentioned issues with traffic signal controller, assured green period, and DON'T WALK enumerations. Still struggling to test and provide JSON due to COVID in Canada. Written feedback expected in a week. **Action:** Traffic Controller TF to discuss.

Future Activities

John Thai discussed future activities.

CI Implementation Guide Final Draft expected to be provided to CI Committee August 6.

The ballots will be issued August 20.

Next CI Committee meeting August 23.

CI Implementation Guide to be published September 17.

Additional Guidance draft estimated to be available October 29, covering TSCBM, controller latency, and security.

Draft Validation Report estimated to be available October 29. Final expected November 30.

Israel Lopez asked about addressing FCC decision to reallocate 5.9 GHz spectrum. The CI Implementation Guide does that.

Participation

John Thai said there is still time for new people to participate in this effort.

Justin Anderson asked attendees to review Procurement Considerations for SCMS for a CV System Acquisition. https://www.pcb.its.dot.gov/documents/SCMS_Procurement_Resource_FHWA-JPO-21-862_v508.pdf

Ray Starr asked attendees to review Creation of a Guidance Document for MAP Preparation. Comments can be sent to Ray Starr. <https://virginia.box.com/v/MAPGuidanceFinal>

Closing Remarks

Deb Curtis expressed gratitude in closing remarks for USDOT.

Patrick Zelinski gave closing remarks for AASHTO.

Siva Narla gave closing remarks for ITE.

Meeting ended 4:12 PM.

Agenda

- 1. Call to Order**
- 2. Anti-Trust Guidelines**
- 3. Roll Call of Committee members**
- 4. Meeting Purpose and Objectives**
- 5. Validation Phase**
- 6. Validation Sites Feedback**
- 7. Future Activities**
- 8. Adjourn**

Chat Log

[2:50 PM] Israel Lopez

In November of 2019, the FCC reallocated the lower band of DSRC for broadband indoor use. In the near future, outdoor use will be authorized in that band. Has this been identified in your planning and validation?

[2:50 PM] Israel Lopez

<https://docs.fcc.gov/public/attachments/DOC-360940A1.pdf>

[2:51 PM] Israel Lopez

I apologize if this was addressed, I had an overlapping meeting and I was a half-hour late.

[2:55 PM] Israel Lopez

Thanks.

like 1

[3:00 PM] Israel Lopez

Good information, and thank you about the SCMS information.

[3:00 PM] Fok, Edward (FHWA)

don't blame me Justin. 😊

[3:00 PM] Curtis, Deborah (FHWA)

All credit, no blame.

[3:01 PM] Israel Lopez

Can you post the link in the chat box otherwise we have to wait for someone to send out the presentation.

[3:02 PM] John Thai

Good idea.

[3:02 PM] Patrick.Chan (Guest)

[§https://virginia.box.com/v/MapGuidanceFinal](https://virginia.box.com/v/MapGuidanceFinal)

[3:02 PM] Patrick.Chan (Guest)

https://www.pcb.its.dot.gov/documents/SCMS_Procurement_Resource_FHWA-JPO-21-862_v508.pdf

[3:03 PM] Israel Lopez

That is only thing I don't like about Teams. that Adobe does well.

[3:03 PM] Bandi, Krishna (K.) (Guest)

is there any possible overlap with MapGuidanceFinal with the J2945/A RGA ?