

Questions and Answers

Is there an expected RSU brand/model that is desired or an expected baseline for RSU conformance?

No. There is a preference that the RSU is compliant with the RSU Specification v4.1, or possibly the RSU Standard under development.

Do you have a preference on number of intersections at a site?

No. The number of intersections is not important, but the type of intersections. The Connected Intersections (CI) Committee is interested in intersections with different attributes, such as intersections with unusual configurations, types of lanes, or in different environments.

Is OmniAir certification a requirement?

OmniAir certification would be a plus, including the RSU but it is not a requirement.

Is there a preferred channel usage plan 172 vs 180 for SPaT/MAP/RTCM?

No. The test tool that will be used to analyze the data can use channel 172 or 180.

Are the manufacturers of the RSUs installed at sites which transmit SPaT/MAP are expected to make changes for compliance to the CI guide before the final report is created?

It is a preference, but it is not a hard requirement. A key point is that no funding is being provided to the test site. In the future, to be compliant with the CI Implementation Guidance document, changes may have to occur to the RSUs. If the test site can make the changes early to the RSUs before the CI Implementation Guide is completed in September, the lessons learned will be taken into account.

So you want to see one intersection from us which is broadcasting SPaT, MAP and RTCM messages in compliance with J2735 format? Is there any other expectation from us?

Part of the reason that the solicitation is occurring now is the CI Committee expects the validation site to be part of the design development process. The design is occurring now through early April, with a design walkthrough planned in early March. The expectation is that the validation site will participate in the walkthrough to provide inputs, such as lessons learned.

Are participants restricted to US agencies? Would you entertain letters of interest from Canadian agencies?

Since there is no USDOT funding here, there is no issue at this time. There may be an issue if a loan of test tools from USDOT is requested, but otherwise there is no reason to say no at this time.

Are there details on RTCM. Do you want all messages from V3.0 or just certain messages, 1004, 1008, etc.?

The RTCM message requirements can be found in the requirements document, which is posted on the project website (<https://www.ite.org/technical-resources/standards/connected-intersections/>).

When will CI Recommended Guidelines be available to understand what criteria should be used for intersection evaluation?

The Concept of Operations and Requirements document are posted on the project website.

Is Message authentication a requirement?

It is preferred that the message is from a trusted source, and is digitally signed, but it is not a hard requirement, that is, it will not disqualify a test site.

Going forward, is DSRC still a valid technology?

The CI Committee cannot answer that, but most sites are DSRC and the tools currently available by the CI Committee are all DSRC. However, the CI Implementation Guide is radio technology neutral, and the focus of this validation effort is on the message - it's not concerned about the radio technology.

However, we are partnering with a national laboratory to install some OBUs on their fleet vehicles. Is this study limited to only DOTs and would a partnership disqualify us from participating?

The CI project cannot disqualify interest parties based on partnerships. The CI Committee is interested in the data and lessons learned, with a focus on the "red arrow" (SPaT, MAP, and RTCM Corrections messages).

How many sites are anticipated to be selected?

Not sure. It is suggested that interested test sites submit their responses and the CI Committee will make a determination on how many sites and which sites. The CI Committee is not in a position to provide funding to test sites. Even if the test site cannot fulfill all the requirements, the CI Committee may still be interested, and provide an assessment on how the test site could be CI compliant. The CI Committee is interested in how a test site would prepare to be CI compliant.