# Call for Participation
# CAD-to-CAD Interoperability
# CAD Provider Participation
# Final Response due 07/15/2022

**Introduction**

This Call for Participation (CFP) is an invitation for your company/organization to participate in the Computer Aided Dispatch (CAD) - CAD-to-CAD Interoperation Initiative defined herein. This highly visible engagement will test the validity of the recently developed non-proprietary standards based functional specifications for CAD-to-CAD interoperability in a lab environment. The functional specifications were developed in conjunction with the Department of Homeland Security, Science and Technology (DHS S&T) Division and the Operations and Technical Working Groups that were convened as part of this development effort.

The results of the lab implementation will be used to update the functional specifications package as needed, provide lessons learned and develop an Implementation Guidance Document in the preparation for the implementation of the selected exchanges in two (2) separate pilot sites.

**Background**

Computer-Aided-Dispatch (CAD) systems supporting the missions of public safety agencies are unable to effectively and efficiently electronically exchange information with the other systems they interact with on a daily basis. As a result, situational awareness suffers, operational inefficiencies are potentially introduced that negatively impact the optimum response to an incident, and improvised interoperability is achieved by developing custom interfaces that are costly to develop and maintain.

The IJIS Institute, in conjunction with the Department of Homeland Security, Science and Technology (DHS S&T) Division has developed a non-proprietary, standards based functional specifications package that, when implemented by CAD providers as part of their solution, should mitigate the issues identified above.

Operations and Technical Working Groups were formed to assist in the development of the functional specifications package and the associated Operations and Technical Requirements Document. The Operations Working Group consisted of members representing the practitioner perspective and were tasked with ensuring that the development accounted for, and supported, public safety's mission requirements. The Technical Working Group included industry experts and subject matter experts (SMEs) who helped define the interoperability solution.

**Call of Participation Description**

The IJIS Institute is seeking two (2) or more CAD providers to participate in this key initiative by utilizing your company's CAD system, and technical support to assist the solution provider Mission Critical Partners (MCP) in configuring and testing the CAD Data Exchanges based on the recently developed non-proprietary standards based functional specifications in the IJIS Institute's lab environment. This test will be based on demonstrating the successful exchange of a select number of pre-defined data fields associated with five (5) previously selected Use Case Scenarios to showcase CAD-to-CAD interoperability.

**Reference Materials**

The following link provides access to the IJIS CAD-to-CAD -ssp zip file: https://www.dropbox.com/s/l63u0qct9itfg38/ijis-cad-to-cad-ssp%20V1.01%202022-06-16%20%281%29.zip?dl=0. This zip file contains the necessary technical documentation to enable the participating CAD Vendor to configure the data exchanges using the non-proprietary standard interface.

Specifically:

- The API for development is in the 'api/json/webSocket' folder. The schema payload definitions are located in 'api/json/components'.

  Everything else is informative and is to be used to provide additional detail related to successfully implementing the API. These can be accessed from the catalog.html file, although the package must be unzipped for the links to work.

- The service description document in 'artifacts' should be at least be reviewed to get an understanding of the message exchange patterns and behavior that need to be implemented.

- The artifacts in the IEPD documents provide a pictorial representation of the logical layout of the data.

There are two additional API's included which are strictly informative. These are:

- SOAP WSDL/XML
- REST OpenAPI/JSON

The development should be done against Web Socket AysncAPI. The others are included for informational purposes only.

## Call for Participation Dates

| Item | Due Date (Eastern time) | Notes |
|---|---|---|
| **Questions** | **Friday, 07/01/22 (5:00PM)** | • Email to phil.winiarski@ijis.org. <br> • All questions should be submitted in writing. <br> • Responses to questions (below) will be distributed to any firm that submits a letter of intent or question(s). |
| **Letter of Intent** | **Friday, 07/01/22 (5:00PM)** | • Email to phil.winiarski@ijis.org. |
| **Response** | **Friday, 07/15/22 (5:00PM)** | • Email to phil.winiarski@ijis.org. |

## Tentative Initiative Schedule

The expected deliverables and a tentative schedule appear below. The dates are subject to modification.

| Activity / Deliverable | Current Start Date | Current End Date |
|---|---|---|
| Kickoff Call | 07/25/2022 | 07/25/2022 |
| Review Infrastructure for the Test Environment | 07/25/2022 | 07/25/2022 |
| Install CAD Software on Test Environment | 07/26/2022 | 08/02/22 |

| | | |
|---|---|---|
| Provide support to the Vendor configuring, mapping and testing CAD information exchanges based on the Use Case Scenarios | 08/03/2022 | 10/14/2022 |

**Compensation**

This work will be performed under a fixed price, milestone deliverable contract. Travel cost will not be covered as part of this effort as all work is to be performed remotely.

Reimbursement for milestone deliverables must be submitted to the IJIS Institute within 30 days of incurring the expense and must include a description of the activity and related deliverable line item against which the charge applies.

No work will begin until a formal Subcontract Agreement is signed between the IJIS Institute and the awarded Vendor.

Candidates for any IJIS Institute initiative are reminded that their participation represents the IJIS Institute and industry as a whole. While references to company lessons learned will be welcomed, they should not be used to promote any particular company's products or services. The team will be asked to remain company/solution-neutral throughout the initiative.