**ATP-19**

**ITS ARCHITECTURE**

**CONFORMITY PROCESS**

**PART II-E**

**Intelligent Transportation Systems**

Do you have a proposed ITS project to submit for evaluation to ensure compliance with the Maryland State-wide ITS Architecture Conformity Process?

**YES  NO**

**If yes, please complete the attached ITS Questionnaire. If no, move to the next section.**

**Intelligent Transportation Systems**

An **ITS Project** is any project that in whole or in part funds the acquisition of technologies or systems that provide/enhance transit operations and quality of service by sharing data between stakeholders.

*-Adapted from the FTA National ITS Architecture Consistency Policy Guidance*

The project for which you are applying may involve Intelligent Transportation Systems (ITS) which means that it is an ITS Project. A Preliminary ITS Questionnaire must be completed for all ITS Projects to ensure that your project is developed in compliance with the Maryland Statewide ITS Architecture. If the examples shown below describe your project, then it is an ITS Project.

**ITS** Projects

***The following systems/components, purchased singly or included with a rolling stock purchase, constitute an "ITS Project":***

Automatic Passenger Counters (APC)

Communications Systems/Equipment

* On-board Radio or Wireless
* Mobile Data Computers/Terminals

Crash Avoidance Systems

Data Archiving

* Device output data management
* Data storage

Electronic Fare Collection (EFC)

* Electronic Fare Cards (SmarTrip, etc.)
* Electronic Farebox

Emerging Vehicle Technology

Emergency Management Systems

Scheduler/Dispatch Systems

* Schedule/Dispatch Software
* Carpool/Ride-Matching Software

Tracking/Monitoring

* Automatic Vehicle Location (AVL)
* GPS Location Tracking
* Electronic Security or Surveillance (On-board, Station/Stop, or Transit Yard)
* Equipment Maintenance Status
* Electronic Vehicle Diagnostics
* Route Monitoring (weather, traffic)
* Transit Centers/Systems

Transit Signal Priority (TSP)

Traveler Information Systems

* “511” Service
* NextBus
* Variable Message Signs
* Enunciators
* Web-based Transit Information
* Cell-phone based transit info/apps
* Route/Itinerary Planning Tools
* Parking Availability Information

***NOTE: This is not a comprehensive list. If you are unsure if a specific project may be considered an ITS project, please contact your regional planner for assistance.***

**Maryland ITS Architecture Conformity Form**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Submission Date | | | | |
| 1. Submission date: | | | | |
| Organizational Information | | | | |
| 2. Legal name of submitting agency: | | | | |
| Point of Contact Information | | | | |
| 3. Point of contact submitting form: | | | | |
| 4. Phone: | | | | 5. Fax: |
| 6. E-mail: | | | | |
| 7. Mailing address: | | | | |
| General Project Information | | | | |
| 8. ITS project name/title: | | | | |
| 9. Project type:  New  Replacement  Expansion | | | 10. Project scope (select all that apply):  Software installation/upgrade  Hardware installation/upgrade  Operations/Maintenance  Systems Integration  Planning  Other (provide more detail below) | |
| 11. Summarize the project (including how this project relates to existing ITS projects/systems): | | | | |
| 12. Describe the needs this project will satisfy: | | | | |
| 13. List the users of the project when complete: | | | | |
| 14. Describe how the users will benefit from the project: | | | | |
| 15. Describe the geographic areas to be served: | | | | |
| Architecture-Specific Information | | | | |
| 16. Summarize the current status of the project (including where it stands in terms of the Systems Engineering process diagram shown in the accompanying Conformity Guide): | | | | |
| 17. List stakeholder agencies and their roles/responsibilities for this project: | | | | |
| 18. Identify the functional requirements for this project: | | | | |
| 19. Show how your project aligns with the Interconnect and Information Flow Diagrams in the MD ITS Architecture: See Below | | | | |
| 20. Describe the configuration & technology options considered for this project and indicate which were selected: | | | | |
| 21. Describe the procurement options considered for this project and indicate which were selected: | | | | |
| 22. Identify applicable ITS standards to be used in support of this project:  Transit Agency to Transit Vehicles | | | | |
| 23. Describe your plan for ensuring adequate operations and maintenance of this project after implementation: | | | | |
| **Other Information** | | | | |
| 24. Please provide any other relevant information: | | | | |
| Project Schedule | | | | |
| 25. Estimated start date: | 26. Estimated completion date: | | | |
| Estimated Capital Budget | | | | |
| 27. Total capital budget: | |  | | |
| 28. Percent federal funding & sources: | |  | | |
| 29. Percent state funding & sources: | |  | | |
| 30. Percent local funding & sources: | |  | | |
| 31. Percent other funding & sources: | |  | | |
| Estimated Annual Operations & Maintenance Budget | | | | |
| 32. Total annual O&M budget: | |  | | |
| 33. Percent federal funding & sources: | |  | | |
| 34. Percent state funding & sources: | |  | | |
| 35. Percent local funding & sources: | |  | | |
| 36. Percent other funding & sources: | |  | | |

