

# Advanced Transportation Controller (ATC) Standards Memo M05001

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From the Joint AASHTO/ ITE/ NEMA Committee on the ATC

DATE: December 20, 2005

TO: AASHTO, ITE, and NEMA

SUBJECT: Solicit User Comments for the **Software Requirements Specification (SRS)** for Advanced Transportation Controller (ATC) **Application Programming Interface (API)**.

ACTION: Request for Distribution to Solicit User Comments

RECOMMENDATION. This Memorandum reports that the Joint Committee on the ATC accepted to be ready as a User Comment Draft, the *proposed Software Requirements Specification (SRS)* for the Advanced Transportation Controller (ATC) Application Programming Interface (API), and recommended to AASHTO, ITE and NEMA that the draft be distributed to solicit user comments. The APPROVAL was made by an email ballot that concluded on December 16, 2005 with a two-third majority of the committee approving and no dissensions. The decision to conduct an email ballot was made in a teleconference of the ATC Joint Committee on December 9, 2005.

The Joint Committee on the ATC contributes to the joint standards development process by accepting a proposed draft document at two stages in its development-first as a User Comment Draft and then again as a Recommended Standard.

BACKGROUND. This document was developed to be a Joint AASHTO / ITE / NEMA Standards Publication, part of the ATC family of standards. The Institute of Transportation Engineers (ITE) is pleased to distribute for user comment the Software Requirements Specification (SRS) for the Advanced Transportation Controller (ATC) Application Programming Interface (API). The API provides interoperability allowing programs running concurrently on ATC controllers to share the controller's resources. As part of a systems engineering process, the API SRS formalizes the user needs and requirements to be included in the API Standard and to be addressed by the API software. User comments are solicited up through the close of the comment period 27 January 2006.

The API is one of four standards efforts under the direction of the ATC Joint Committee (JC). The ATC JC is made up of representatives from the American Association of State Highway and Transportation Officials (AASHTO), the National Electrical Manufacturers Association (NEMA) and ITE. This action is also being taken by AASHTO and NEMA. Other ATC standards efforts include the ATC Standard, the ATC/2070 Standard, and the Intelligent Transportation Systems (ITS) Cabinet Standard.

An electronic copy of this User Comment Draft is available in the on the ITE Website at:  
<http://www.ite.org/standards/atc/APISRS0203.pdf>

The above mentioned page contains the complete standard in PDF form and downloadable Word versions of the standard as well as this memo.

USER COMMENT INSTRUCTIONS. People who receive this request for comments are asked to follow these instructions.

1. Refer this Standards MEMO and the draft document to the person or persons in your organization who are most familiar with, and concerned about, traffic management and traffic control equipment and any of the other applications that the **Software Requirements Specification (SRS)** for the Advanced Transportation Controller (ATC) Application Programming Interface (API) addresses. Also refer this MEMO to anyone involved in design, deployment, or operation and maintenance of traffic management and control systems, including any consultants they may use.
2. Review any portion, or all of the user comment draft. Any comments, however general or specific, will be appreciated.
3. Email, mail or fax (in order of preference) your comments to:

**Email:** [standards@ite.org](mailto:standards@ite.org)

**Mail:**

Institute of Transportation Engineers  
Attn: Siva R.K Narla  
1099 14th Street NW, Suite 300 West  
Washington, D.C. 20005  
202 289 0222 ext. 119  
**Fax:** 202 289 7722

4. List each of your comments will be submitted to the website for posting in the following format:

**Document:** ATC Software Requirements Specification (SRS) for the Advanced Transportation Controller (ATC) Application Programming Interface (API).

**Section:**

**Page:**

**Paragraph or item:**

**Comment:**

**Submitted by: (name, organization, address)**

5. Please respond by the end of the comment period as instructed by your standards organization. For ITE the comment period for this MEMO will close on January 27, 2006. Comments received after the closing date may not be included in the next version of the document. Please include your name and mailing address so that your comments can be acknowledged.

**FROM: Siva R.K Narla**  
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