

Advanced Transportation Controller (ATC) Standards Memo M0005

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

DATE: July 6, 2004

TO: AASHTO, ITE AND NEMA

SUBJECT: User Comment Draft of ATC Type 2070 Proposed User Comment Draft

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ACTION: Request for Distribution to Solicit User Comments

RECOMMENDATION. This Memorandum reports that the Joint Committee on the ATC accepted the proposed *ATC Type 2070 v2.03* as a User Comment Draft, and recommended to AASHTO, ITE and NEMA that the draft be distributed to solicit user comments. The recommendation was made at the regular Joint Committee meeting in Irvine, CA on March 26, 2004, and was approved by a majority of the committee.

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 purpose of this document is to update the existing ATC 2070 Standard Specification to reflect technical consistency with the Caltrans TEES.

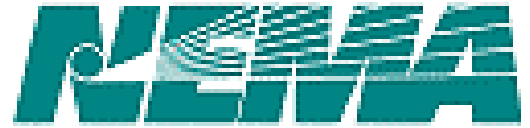
The Standards defines specific, interchangeable modules that are combined to form a Type 2070 ATC that is capable of running control software that might be supplied from a variety of providers.

The Advanced Transportation Controller (ATC) is being developed to provide an open architecture hardware and software platform for a wide variety of ITS applications. In this context, the words "open architecture" mean that the system will include both public and private sector developers, and have modular software cooperatively running on standardized and shared modular hardware platforms. This will provide cost-effective ITS functionality for a wide variety of applications. To accomplish this goal the system needs to provide the maximum flexibility for many different system configurations and installations.



International Transportation

Controller (ATC) Standards Memo M0003



The general concept and model for the ATC is the PC Computer. However, the ATC will be a field-hardened, general-purpose computer for embedded applications, which with the appropriate software and hardware modules, could be asked to perform many different duties.

This Standard was developed by the ATC Controller Working Group, now chaired by John Renfro (Kentucky Transportation Cabinet) and Craig Gardner (Siemens ITS). The Working Group has 20 members from the public and private sectors.

An electronic copy of this User Comment Draft is available in the on the ITE Website at:

<http://www.ite.org/standards/index.asp>

There have been 3 files for your review:

- a file containing the full version of the ATC 2070 v2.03 standard complete with drawing inserted,
- a WORD document showing tracked changes that may be reviewed by turning on the Highlight Changes While Editing feature in WORD, and
- a file containing the current Comment Report from the comments database is also attached.

Please note the following revisions that were made as part of the Working Group approval process:

- Cover Sheet - date, version, copyright date, and User Comment title (on print copy) were changed,
- Footer - date was changed,
- Revision Notes - date of last posting was changed,
- Section 6.1.2 - brackets on the line Type 2070-5 were removed.
- Section 6.1.3 - brackets on the line Type 2070-5 were removed.

An electronic copy can also be found at the NEMA Website:

The documents can be found by going to www.nema.org and following the links described below:

GoTo: STANDARDS

GoTo: FORUMS

GoTo: ADVANCED TRANSPORTATION CONTROLLER (towards the bottom of the page)
SignIn: Sign In as either a GUEST or as a USER (a guest does not have posting privileges)
GoTo: CONTROLLER UNIT WG -- PUBLIC to find the latest postings
The posting is entitled: ATC Type 2070 Proposed User Comment Draft

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 ATC Controller specification 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 jcheeks@ite.org
James M. Cheeks, Jr.
Standard Development Manager
Institute of Transportation Engineers
1099 14th. St. NW, Suite 300 West
Washington, DC 20005
Fax. 202-289-7722

4. List each of your comments will be submitted for posting in the following four-part format:

Document: ATC Type 2070 v2.03

Section:

Page:

Paragraph or item:

Comment:

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 August 7, 2004. Comments received after the closing date will be accepted, but they 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: *James M. Cheeks, Jr.*

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