

DATE: November 13, 2007

TO: AASHTO, ITE, and NEMA

SUBJECT: User Comment Draft of NTCIP 1201 v03,
Global Object Definitions - version 03

ACTION: Request for Distribution to Solicit User Comments

RECOMMENDATION. This Bulletin reports that the Joint Committee on the NTCIP accepted the proposed NTCIP 1201 v03, *Global Object Definitions - version 03*, as a User Comment Draft, and recommended to AASHTO, ITE, and NEMA that the draft be distributed to solicit user comments. The acceptance was approved by the required majority of the 18-member Joint Committee, via an e-ballot which ended November 2, 2007, and which had been requested at the regularly scheduled teleconference meeting held on October 18, 2007. The e-ballot to accept carried with 12 affirmative votes, no negative votes, no abstentions, 6 members not responding, and no vacant seats.

The Joint Committee on the NTCIP 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 NTCIP family of standards and profiles. The document is in the 1200-series of NTCIP document numbers, and is a Device Data Dictionary document.

The NTCIP 1201 version 03 is a data dictionary standard defining those data elements that may be used by a wide variety of ITS devices, such as data related to device identification, time, scheduling capabilities, event reporting, auxiliary device monitoring and control, and security configuration.



The 1201 v03 includes the revisions that were previously proposed in the NTCIP 1201 Amendment 2, including this summary list of changes:

- Deprecated the object `globalDaylightSaving` and revised the daylight saving time (DST) mechanism by replacing the previously proposed (Amendment 2's) set of eight `beginDST` and `endDST` objects, to reflect changes enacted by the U.S. Congress to take effect in 2007.
- Revised the names of `auxIO` objects that appeared in v02.32, now named `auxIOv2`, and added the `auxIO` object that was defined in NTCIP 1203 but is now listed as deprecated.
- Added the SNMP interface dialogs from NTCIP 1203 v02 to become the generic standard for all NTCIP device standards.
- Moved the `eventClass` and `eventLog` objects from under the `globalReport` node to NTCIP 1103.
- Moved the `communityName` objects from under the security node to NTCIP 1103.
- Corresponding revisions were made in other clauses, such as in the Annex C Class Diagrams.
- And made the following corrections --
 - In NTCIP 1201v02.32, the `ACCESS` of `auxIOPortDirection` and `auxIO2PortDirection` should have been listed as read-only as this was incorrect in NTCIP 1203v01.15.
 - In NTCIP 1201v02.32, the BSP2 WG agreed the SYNTAX of `auxIO2PortDescription` should be changed from `SIZE (0..50)` to `(0..255)`.
 - In NTCIP 1201v02.32, the BSP2 WG agreed the SYNTAX of `auxIO2PortResolution` should be changed from `SIZE (1..255)` to `(1..32)`.
 - In NTCIP 1201v02.32, the `maxAuxIO2TableNumDigitalPorts` and `maxAuxIO2TableNumDigitalPorts` should not have been changed for `0..255` to `1..255` as this was what was shown in NTCIP 1203v01.15.
 - In NTCIP 1201v02.32, the node registration of the new `AuxIO` objects shown in the Figure 1-1 ISO Tree Structure should have been `{global 7}`.
- Deferred the addition of externally-developed test procedures to a future major version.

NTCIP 1201 major version v03 is the follow-on to the Daylight Saving Time "only" 1201 Amendment 2, which experienced letter ballot comments, and for which acceptance was withdrawn by the Joint Committee in their July teleconference. The 1201 v03 expands on the initial plan to only revise DST, and now results in the 26 changes listed in Annex D. The new objects for DST that are introduced are expected to be more widely universal. The version v03 now also reflects appropriate references.

NTCIP 1201 v03 was drafted by the NTCIP Base Standards and Profiles Working Group, chaired by Bob De Roche, (Robert De Roche Consulting).

NOTES. The Joint Committee on the NTCIP accepted NTCIP 1201 v03.03a as the user comment draft. The attached version v03.03b includes minor editing on the title page and in the front matter.

NAVIGATE THE PDF. To help users navigate the document, the PDF file was authored with embedded links. The links can be found in the Table of Contents starting on page xi.

To use the links when browsing with Adobe® Reader®, use the Select Tool or the Hand Tool, and the tool will change to the pointing finger when over a link. To return to the prior page after clicking a link, use Alt + Left Arrow to return to the Previous View. See the reader's View menu for more shortcuts.

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

1. Refer this Standards Bulletin and the draft document to the person or persons in your organization who are most familiar with, and concerned about, traffic management and NTCIP standards. Also refer this Bulletin to anyone involved with the design, deployment, or operation and maintenance of traffic management 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 your comments to this address. If you have five or more comments, an email with an attached Microsoft® Word documents is preferred.

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4. To allow copy/paste text transfer of your comments into a user comment database, please list each of your comments separately, in the following five-part format. Or use a Word table with these column headings.

document: NTCIP 1201 v03.03b
page number:
clause or paragraph number:
comment:
suggested change:

5. Please respond by the end of the comment period as instructed by your standards organization. For NEMA, the 30-day comment period for this Bulletin will close about December 14, 2007. For AASHTO, the 30-day comment period will also close about December 14, 2007. 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.

**ATTACH-
MENT:** 1. NTCIP 1201 v03, *Global Object Definitions -
version 03*, version 03.03b, November 2007, ~82 pages.

FROM: NTCIP Coordinator
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CC: Email with PDF attachment for redistribution to AASHTO and ITE staff.
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