

DATE: June 16, 2005

TO: AASHTO, ITE, and NEMA

SUBJECT: Recommended Rescission of NTCIP 2001:1996,
Class B Profile

ACTION: Request to Rescind

RECOMMENDATION. This Bulletin reports that the Joint Committee on the NTCIP accepted the recommendation to rescind NTCIP 2001, *Class B Profile*, and agreed to refer the recommendation to AASHTO, ITE, and NEMA for their further action. The recommendation came as a result of an electronic mail letter ballot of the Joint Committee completed on January 13, 2005, by the required two-thirds majority of the 18-member committee. The question to recommend rescission of the standard carried with 12 affirmative votes, one negative vote, and one abstention.

Typically, 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, but also recommends other actions, such as reaffirmation or rescission.

BACKGROUND. The NTCIP 2001 *Class B Profile* was developed to specify protocol standards to be used by NTCIP devices in the Physical, Data Link, Network, and Application Layers of the seven-layer ISO OSI Reference Model. NTCIP 2001 also specified how NTCIP devices would operate the other layers as null or empty. NTCIP 2001 also specified the data transport and interface details of the four profiled layers.

The NTCIP 2001 document was in the initial “2000-range” of NTCIP document numbers, and was a Class Profile Standard. In the years 1996 to 1999, several Communications Class Profiles in the 2000-range were drafted, but only NTCIP 2001 was Jointly Approved and subsequently amended. Instead of “class profiles,” the NTCIP switched to the more modular approach of the 2100-, 2200-, and 2300-series of layered profiles.



The Jointly Approved NTCIP 2001 was formerly numbered NEMA TS 3.3-1996. The TS 3.3 Amendment 1 (also called NTCIP 2001 Amendment 1) became a Jointly Approved Amendment in 2002.

Now the specifications contained in NTCIP 2001 and in NTCIP 2001 Amendment 1 have been completely replaced by four other Jointly Approved NTCIP standards.

The NTCIP 2001 content is replaced by: either NTCIP 2101 or 2102, and NTCIP 2201, and NTCIP 2301. As of this bulletin, the status of these replacements is:

NTCIP 2101, *SP-PMPP/RS232*, has been Jointly Approved and is printed.
NTCIP 2102, *SP-PMPP/FSK*, has been Jointly Approved and is being printed.
NTCIP 2201, *TP-Transport Profile*, has been Jointly Approved and is being printed.
NTCIP 2301, *AP-STMF*, has been Jointly Approved and is printed.

Since August 2001, the NTCIP Web site has recommended that specifiers refer to three of the four replacement standards. The NTCIP BSP2 WG chair Bob De Roche has reported that NTCIP specifying agencies and implementers have transitioned from the prior "2001" and "2002" class profiles to the new layered profiles.

During December 2004 NTCIP Joint Committee discussion on the question of rescinding NTCIP 2001, two issues were raised and these responses provided:

ISSUE ONE: Does decomposition provide for better, layered standards documents? –
RESPONSE: NTCIP 2001 can be replaced by the four subordinate standards NTCIP 2101 or 2102, 2201, and 2301. As originally defined in NTCIP 8003, a class profile references a combination of application, transport, and subnetwork profiles to define a "communications stack." Since all four subordinate profiles are approved and/or printed, NTCIP 2001 can be rescinded based upon its major subordinates.

ISSUE TWO: What are the referential dependencies? – RESPONSE: While the technical specification of NTCIP 2001 are covered by the major subordinates NTCIP 2101 or 2102, 2201, and 2301, there is a minor issue related to one of the subordinates of NTCIP 2301. NTCIP 2001 does not define NTCIP 1101 as normative but does state that the method for structuring, representing, encoding and decoding data is defined in NTCIP 1101 (the old TS 3.2). NTCIP 2301 specifically cites NTCIP 1101 (TS 3.2) as a normative reference. NTCIP 1101 is having rescission action delayed until the replacements 1102, 1103, and 8004 are jointly approved.

The NEMA NTCIP Technical Subcommittee originally developed the NTCIP 2001 standard, and their work was subsequently taken over by the Joint Committee's Profiles

Working Group. After two working group mergers, the NTCIP Base Standards and Profiles BSP2 WG had last responsibility for NTCIP 2001.

To discourage any future specifications to include NTCIP 2001, an electronic copy has not been posted in the LIBRARY area of the NTCIP Website (www.ntcip.org), or included in the “no-cost” standards promotion. After joint rescission, a note will be posted on the Library page that copies will only be available upon request. Hardcopy versions will not be offered for sale, or will be marked “Rescinded.”

USER COMMENTS. No User Review or Comments were solicited for this rescission action, and therefore there is no report of user comments.

ACTION INSTRUCTIONS. AASHTO and ITE staff and members are instructed to take the appropriate action within their organization to rescind this standard. That action may include a letter ballot to rescind, or intentionally not taking action to reaffirm. In November 2004, the NEMA Codes and Standards Committee rescinded NTCIP 2001.

**ATTACH-
MENTS:** None.

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