Notice of Intent to Adopt

Institute of Transportation Engineers ITS Standard

National Transportation Communications for ITS Protocols (NTCIP)
NTCIP 1211, "Object Definitions for Signal Control and Prioritization"
NTCIP 1206, "Object Definitions for Data Collection and Monitoring (DCM) Devices"
NTCIP 1208, "Object Definitions for Closed Circuit TV (CCTV) Switching"
NTCIP 1209, "Data Element Definitions for Transportation Sensor Systems"
NTCIP 1201, v02 "Global Object Definitions"

The final draft version of the National Transportation Communications for ITS Protocols (NTCIP) **NTCIP 1211, "Object Definitions for Signal Control and Prioritization"** **NTCIP 1206, "Object Definitions for Data Collection and Monitoring (DCM) Devices"** **NTCIP 1208, "Object Definitions for Closed Circuit TV (CCTV) Switching"** **NTCIP 1209, "Data Element Definitions for Transportation Sensor Systems"** **NTCIP 1201, v02 "Global Object Definitions"** have been approved by the joint ITE, AASHTO and NEMA Committee on the NTCIP. The Institute of Transportation Engineers intends to adopt these versions of the above mentioned standards as of January 10, 2005 assuming no final appeals are received. Please check the ITE website (www.ite.org) for a notice after January 10, 2005 as to whether these versions of the Standards have been adopted by ITE. When adopted this standard will be jointly published by ITE, NEMA and AASHTO.

NTCIP 1211, "Object Definitions for Signal Control and Prioritization"

The NTCIP 1211 defines the management information base for Signal Control and Prioritization (SCP) Systems. It defines individual parameters that represent the configuration, status, and control information that is unique to an SCP. The Joint SCP WG invented the functional entities of a Priority Request Generator and a Priority Request Server, which respectively originates and performs triage on requests. After performing triage in terms of importance and priority, the requests are sent to the Coordinator entity in a Traffic Signal Controller. This document is an NTCIP Device Data Dictionary Standard. Device Data Dictionaries Standards formally express management information in terms of objects (data elements, data frames, and messages) for use within NTCIP systems.

As balloted on February 26-27, 2004 in Tampa, FL., this standard has been reviewed and has been approved by the NTCIP Joint Committee.

NTCIP 1206, "Object Definitions for Data Collection and Monitoring (DCM) Devices"

The NTCIP 1206 defines data elements used for the configuration control and status monitoring of transportation data collection devices. DCM equipment will process sensor signals to yield information about the traffic passing over a sensor array. The traffic information is stored in the DCM equipment as data files for future retrieval. The DCM equipment may be portable to set up at

a site for a data collection period as short as one day, or the equipment may be installed permanently for continuous monitoring.

As balloted on November 12-13, 2003 in Dallas, TX, this standard has been reviewed and has been approved by the NTCIP Joint Committee.

NTCIP 1208, "Object Definitions for Closed Circuit TV (CCTV) Switching"

The NTCIP 1208 defines data elements used for the control and status monitoring of CCTV video switching devices. Video switches are deployed in traffic management systems to switch video sources (such as cameras, VCR playback, and digital video CODECs) to video destination devices (such as monitors, projectors, and VCR recording inputs). The NTCIP 1208 switching standard controls the switching of video inputs to outputs, including the block switching of input and output groups, and the time-sequenced programming of multiple inputs. NTCIP 1208 also defines the data elements for video switch-based title generation, and switch status monitoring.

Please note -- NTCIP 1208 is for switches; NTCIP 1205 is for cameras. The data elements that control CCTV cameras, lens, the pan/tilt units, and camera-generated titles and labels, are defined in NTCIP 1205.

As balloted on August 21-22, 2003 in Seattle, WA, this standard has been reviewed and has been approved by the NTCIP Joint Committee.

NTCIP 1209, "Data Element Definitions for Transportation Sensor Systems"

The NTCIP 1209 defines data elements used for controlling and monitoring transportation sensor system (TSS) devices – those sensors capable of detecting and communicating certain traffic parameters. Sensing devices today extend well beyond the simple detection of automobiles, and now include light-rail vehicles, pedestrians, and other modes of travel. A TSS could use a single loop detector, or could be a video image processing system, or could use other sensing technology. Data Dictionary standards define data elements for communicating between system nodes, such as between a central management application and field controllers. The data is defined using the Simple Network Management Protocol (SNMP) OBJECT-TYPE.

As balloted on February 6-7, 2003 in Las Vegas, NV, this standard has been reviewed and has been approved by the NTCIP Joint Committee.

NTCIP 1201, v02 "Global Object Definitions"

The NTCIP 1201 version 02 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.

Data Dictionary standards define data elements for communicating between system nodes, such as between a central management application and field controllers.

NTCIP 1201 was originally published as NEMA TS 3.4 in 1996, and amended in 2000. The 1201 version 02 incorporates additional lessons learned, better documents some of the logic required to implement the standard, and adds new features requested by the ITS community.

As balloted on October 24-25,2002 in Atlanta, GA, this standard has been reviewed and has been approved by the NTCIP Joint Committee.

The primary objective of the National Transportation Communications for ITS Protocol (NTCIP) is to provide a communications standard that ensures the interoperability and interchangeability of traffic control and Intelligent Transportation Systems (ITS) devices.

Effective Date of the Standard:

The effective date of this action to adopt these standards as an ITE standards is January 10, 2005 close of business, unless an appeal is received.

How to View the Draft Standard:

Between now January 10, 2005 the final draft version of the standards can be viewed at the NTCIP website (www.ntcip.org) in the library section. If no appeals are filed, the ITE International Board of Direction will ballot the standard and it will be available for purchase from ITE.

How to File an Appeal:

If you wish to appeal the adoption of NTCIP 1211, 1206, 1208, 1209, and1201 v02, submit a written appeal to ITE Headquarters (1099 14th St. NW Suite 300 West, Washington, D.C. 20005, Attn: James Cheeks) by the close of business on January 10, 2005. The written appeal shall state the nature of the objection(s) including any adverse effects, the step(s) of the ITE procedures or the section(s) of the standard that are at issue, and the specific remedial action(s) that would satisfy the appellant's concerns. Any previous efforts to resolve the objection(s) and the outcome of each shall also be noted.

If an Appeal is Received by ITE:

ITE Headquarters will work with the NTCIP joint committee chair to develop a response. Within 30 days after receipt of the appeal, ITE Headquarters shall respond in writing to the appellant, specifically addressing each allegation of fact in the appeal to the extent possible.

If an appeal is not able to be resolved informally in a manner consistent with the ITE procedures, ITE Headquarters shall initiate the process for the appointment of an Appeals Panel and will schedule a hearing.

If the timeframe for the above actions will extend beyond January 10, 2005, another notice shall be provided announcing a delay in the anticipated date of adoption by ITE.