



## Intelligent Transportation Systems Standards Fact Sheet



July 2000

# IEEE SH94633 through SH94638 (Books 1-6) The Survey and Analysis of Existing Standards and Those Under Development Applicable to the Needs of the Intelligent Transportation System (ITS) Short-Range and Wide-Area Wireless Communications

### Overview

Intelligent transportation systems (ITS) is a program that applies modern communications technologies to our transportation infrastructure, for example by providing up-to-the-minute information that allow traffic managers to take actions that could minimize traffic congestion. There are a variety of communications systems—from common, point-to-point telephone twisted-pair wire circuits to wide band, multi-user, fiber optic and microwave systems—that can support the communications needs of ITS. With the sole exception of dedicated short range communications (DSRC), these communications systems currently exist and are defined by existing standards.

These six documents, **IEEE SH 94633-94638, The Survey and Analysis of Existing Standards and Those Under Development Applicable to the Needs of the Intelligent Transportation System (ITS) Short-Range and Wide-Area Wireless Communications**, were written in response to a request by the Federal Highway Administration (U.S. Department of Transportation) for a survey of communications technologies, practices, and standards relevant to the ITS short-range and wide-area wireline and wireless communications.

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Publication Date: June 1998

### What is this standard for?

These documents inventory existing international, national and regional standards for wireline and wireless (radio) communications that may be used to support ITS operations.

### Who uses it?

These documents are intended to be used by system and communications engineers, designers, developers, and users of ITS systems, as well as those interested in the broad range of existing communications technologies and practices.

### How is it used?

These documents are used as a reference compilation of communications standards and are arranged by responsible organization. They include information on the standards development organizations (SDOs) that develop and maintain communications standards, the various standards supported by the SDOs, and, in most cases, brief descriptions of the standards.

### Scope

These documents include a list of pertinent standards and protocols extant at the time the analysis was written (1997). Each list contains the numerical designation, sponsoring organization, title, status, technical contact, project scope, and a short abstract of the standard (if available). The six documents are:

Book 1: National Wireline Standards (Catalog Number SH94633, 172 pages)

Book 2: Regional Wireline Standards (Catalog Number SH94634, 134 pages)

Book 3: International Wireline Standards (Catalog Number SH94635, 92 pages)

Book 4: National Wireless Standards (Catalog Number SH94636, 25 pages)  
Book 5: Regional Wireless Standards (Catalog Number SH94637, 30 pages)  
Book 6: International Wireless Standards (Catalog Number SH94638, 23 pages)

#### **Related documents**

None.