



SURFACE VEHICLE STANDARD

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National Names Phrase List

RATIONALE

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Foreword—This document is the list of phrases and textual entries for use in describing commonly occurring street names in ITS systems. It is intended for use in all ATIS systems along with the SAE J2540 string rules, but is also used in other ITS standards as well. The tables are structured to be in conformance with SAE J2540.

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1. **Scope**—This SAE Standard provides a table of textual messages meeting the requirements for expressing the names of street and roads and some basic building blocks for phrases commonly used in the ITS industry. The tables provided herein are taken from SAE J2369, and follow the rules of SAE J2540 and therefore allow a local representation in various different languages, media expressions, etc. to allow true international use of these phrases. The phrases are predominantly intended to provide a means to express street names including pre and post fixes (North Oak Street is an example name with a prefix “North” and main portion “Oak” and a suffix “Street”). Other phrases exist for other specific specialty areas of ITS, and all such phrases follow a set of encoding and decoding rules outlined in SAE J2540 to ensure that the use of these phrases in messages remain interoperable between disparate types of user equipment.

Implementers are cautioned to obtain the most recent set of tables by means of the ITS data registry, a process which involves the SAE and other standards setting organizations and which is intended to maintain and enhance the level of harmonization between ITS standards set by each of the organizations.

This document SHALL define the normative index values to be used to provide phrases needed by ITS practitioners when expressing the names of streets using indexed methods. This document SHALL follow the formats and rules established in SAE J2540 in the expressions, manipulations, and use of such tables.

2. References

- 2.1 **Applicable Publications**—The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest version of SAE publications shall apply.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J2354—Message Sets for Advanced Traveler Information System (ATIS)

SAE J2369—Standards for ATIS Message Sets Delivered Over Reduced Bandwidth Media

SAE J2540 Draft—Messages for Handling Strings and Look-Up Tables in ATIS Standards

- 2.2 **Related Publications**—The following publications are provided for information purposes only and are not a required part of this specification.

SAE J1746—ISP-Vehicle Location Referencing Standard

SAE J2313—On-Board Land Vehicle Mayday Reporting Interface

SAE J2374—Information Report based on Location Reference Message Specification

3. **Definitions**—The definitions found in SAE J2540 and SAE J2369 are incorporated herein.

4. **Overview**—This document provides a set of phrases intended to describe the names of streets of interest to the traveler. It is intended to be used in all ATIS message set standards, and is expected to be also used in a number of other ITS industry standards as well.

The specific rules of use can be found in the standard describing the message which uses these phrases. This document defines the phrases themselves. The SAE J2540 document defines the use of the phrases in practice, while each using standards defines the placement of the phrases in a message and any additional restrictions which are needed. Thus, all uses of the phrases adhere to the rule set defined in SAE J2540, but not all messages, or all media, allow support for the full set of possible features. Consult the specific standard for complete rules and restrictions with regard to using the phrases.