
**Transport information and control
systems — In-vehicle navigation
systems — Communications message
set requirements**

*Systèmes de commande et d'information des transports — Systèmes
de navigation dans les véhicules — Exigences relatives à l'ensemble
des messages des communications*



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1 Scope

This International Standard specifies message content and format utilized by in-vehicle navigation systems. Its emphasis is on messages that are required to generate or enhance routing instructions. There is a particular focus on messages that would not necessarily be included in a more general traffic management message list.

Although this International Standard emphasizes requirements for Locally Determined Route Guidance (LDRG) systems that utilize on-vehicle map databases, it also includes messages that would be utilized primarily by Centrally Determined Route Guidance (CDRG) systems and certain value-added messages.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

Locally Determined Route Guidance System

LDRG

system which provides a driver with step-by-step driving instructions that are determined by an on-vehicle system

NOTE The system typically consists of a display screen, a computer, routing and guidance software, a navigable map database, and positioning equipment to track the vehicle's location as it proceeds along its path.

2.2

Centrally Determined Route Guidance System

CDRG

system which provides a driver with step-by-step driving instructions that are similar to those offered by a LDRG

NOTE With a centrally determined system, the routing instructions are determined at an off-vehicle location and transmitted to the vehicle.

2.3

message

data element which is formatted for transmission and broadcast by means of electromagnetic field propagation