



**Intelligent Transport Systems (ITS);
Vehicular Communications;
Basic Set of Applications;
Local Dynamic Map (LDM)**

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Foreword

This draft European Standard (EN) has been produced by ETSI Technical Committee Intelligent Transport Systems (ITS), and is now submitted for the combined Public Enquiry and Vote phase of the ETSI standards EN Approval Procedure.

The present document is a single part deliverable.

Proposed national transposition dates	
Date of latest announcement of this EN (doa):	3 months after ETSI publication
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Introduction

In cooperative Intelligent Transport Systems (ITS), the Local Dynamic Map (LDM) is a key facility supporting various ITS applications by maintaining the information on objects influencing or being part of ITS. The Local Dynamic Map therefore is relevant to the development of technical standards and specifications in order to ensure deployment and interoperability of cooperative systems and services described in the EC's ICT Standardization Work Programme [i.7].

The LDM is a facility within the ITS station facilities layer as defined in the ITS communication architecture given in EN 302 665 [i.1]. Cooperative Awareness Messages (CAMs) as defined in EN 302 637-2 [5] and Decentralized Environmental Notification Messages (DENMs) as defined in EN 302 637-3 [6] are important sources of data for the LDM.

Moreover the LDM will support the Basic Set of Applications (BSA) outlined in TS 102 637-1 [i.2] by providing plausible authorized, area related information in a time relevant manner. The BSA provides the application specific requirements for the LDM.

The following applications from the BSA are considered:

- Driving assistance - Cooperative awareness.
- Driving assistance - Road Hazard Signalling (see TS 101 539-1 [i.3]).
- Speed management.
- Cooperative navigation Location based services.
- Community services.