



TN-ITS Implementation in UK

TN-ITS General Assembly and Session PR04 EU EIP Sub-Activity 4.7
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Source of image: ROSATTE web site (ertico.com/rosatte/)

Present status of Spatial Data in the UK

- Two main sources for road data
- Integrated Transportation Network (ITN)
 - Managed by Ordnance Survey (Great Britain's national mapping agency)
 - Primary source for geographic information
 - Highly accurate
 - Consists of two themes: (1) Roads Network; (2) Road Routing Information
 - Link-and-node structure with unique identifiers
 - Collected by one organisation using one standard
 - Published 6 weekly
 - No direct cost to the Department
 - Coverage Great Britain
 - History: DfT first use 2005



Ordnance
Survey



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Present status of Spatial Data in the UK

- National Street Gazetteer (NSG)

- Managed by GeoPlace
- Collects street information from 174 Local Highway Authorities, Highways England and the Welsh government
- Not currently used by the Department
- Definitive source of streets information
- Data sourced directly from Local Authorities (legally required to update)
- Direct link to the National Land Property Gazetteer and AddressBase
- Published monthly, only to organisations with a statutory duty to coordinate street works activities
- Coverage: England and Wales
- History: New Roads and Street Works Act 1991



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New UK road database: Highways Network

- ITN and NSG are completely separate systems even though sharing a common past
- The Highways Network project will create a common authoritative view of the whole road network, bringing together intelligence from
 - The two existing networks (ITN and NSG)
 - Local authorities, Highways England and the Welsh Government
 - Other information held by government
- More than just ITN and NSG
 - Additional data and data improvement
- Led by the Department for Transport (DfT)
- DfT needs a highly accurate representation of the road network that contains accurate information to allow:
 - Managing policies, producing statistics, allocating funding, supporting legislation and EU commitments
- This new network will also be the basis for TN-ITS implementation!

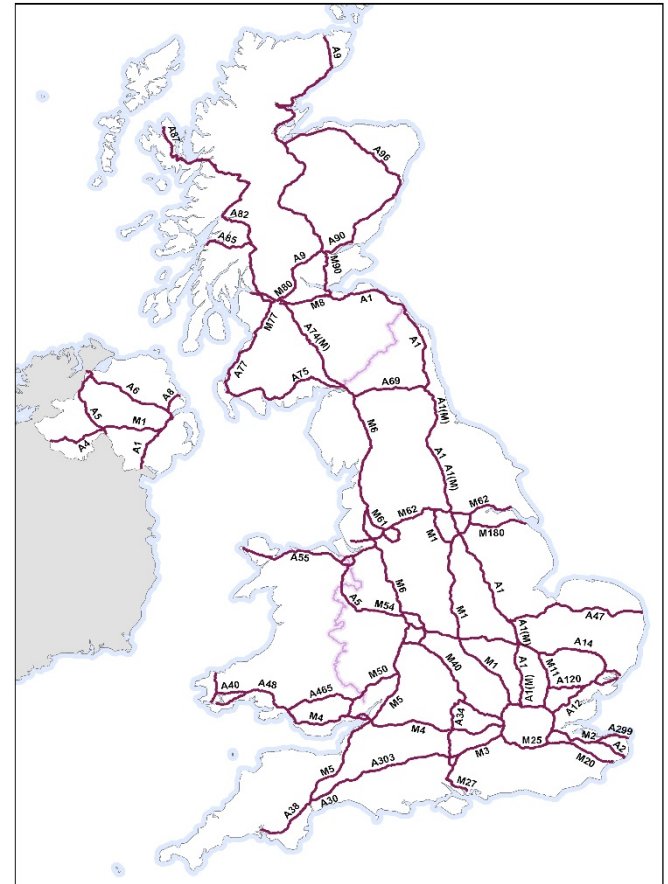
EU ITS Directive delegated regulations mainly apply to the Trans European Road Network (TERN) part of the TENT. With acceptance of priority action (a)

Managed in the UK by the national roads administrators, such as HE, TS NI, Wales.

Private sector may also be in scope

Approximately 68% of the entire motorway network in Great Britain classified as the TENT.

UK TENT-T network



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