WG 10

Title: Traveller Information systems

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The Number of Member of National Meeting:27

Draft Document: ISO14819-1

Title: Coding protocol for Radio Data System - Traffic Message Channel(RDS-TMC)

Scope: Traffic and traveler information messages to support in-vehicle applications, for dissemination via the bearer TMC.

In-trip information is aimed primarily at individual passengers and goods transport.

Traffic Message Coding (TMC) provides a one-way flow of messages which give details of events (both urban and inter-urban) in the vicinity of the vehicle and which will aid the traveller in his route choice. A catalogue of events and standard message coding lists will be defined, for transmission over broadcast (radio) means.

Status of Document: International Standard

Draft Document: ISO14819-2

Title: Event and Information codes for Traffic Message Channel (TMC) Standard

Scope: TMC user messages provide the following five basic items of explicit, broadcast information;

1. Event description, giving details of the weather situation or traffic problem and where appropriate its severity.
2. Location, indicating the area, highway segment or point location where the source of the problem is situated.
3. Direction and Extent, identifying the adjacent segments or specific point locations also affected by the incident, and where appropriate the direction of traffic affected.
4 .Duration, giving an indication of how long the problem is expected to last.
5. Diversion advice, showing whether or not drivers are recommended to find and follow an alternative route.

Status of Document: International Standard

Draft Document: FDIS14819-3

Title: Location referencing for ALERT-C

Scope: The location referencing rules defined in this standard address the specific requirements of Traffic Message Channel (TMC) systems, which use abbreviated coding formats to provide TTI messages over mobile bearers. In particular, the rules address the Radio Data System – Traffic Message Channel (RDS-TMC), a means of providing digitally-coded traffic and traveler information to travelers using a silent data channel (RDS) on FM radio stations, based on the ALERT-C protocol.

Status of Document: Final Draft of International Standard

Draft Document: FDIS14819-6

Title: Encryption and condition access for the RDS-TMS Alert C coding.

Scope: This document establishes a method of encrypting certain elements of the ALERT-C coded data carried in the RDS-TMC type 8A data group, such that without application by a terminal or receiver of appropriate keys, the information conveyed is virtually worthless. Before a terminal is able to decrypt the data, the terminal requires two 'keys'. The first 'key' is given in confidence by the service provider to terminal manufacturers with whom they have a commercial relationship; the second 'key' is broadcasted in the 'Encryption Administration group', which is also a type 8A Group. This specification explains the purpose of the two 'keys' and how often and when the transmitted 'key' may be changed. Before an individual terminal may present decrypted messages to the end-user, it has to be activated to do so. The activation requires that a 'PIN' code be entered. The PIN code controls access rights to each service and subscription period, allowing both 'lifetime' and 'term' business models to co-exist. The specification also describes the considerations for service providers wishing to introduce an encrypted RDS-TMC service, migrating from either a 'free-to-air' service based on public 'Location Tables' or a commercial service based on a proprietary 'Location Table'. Finally, 'hooks' have been left in the bit allocation of the type 8A group to allow extension of encryption to other RDS-TMC services.

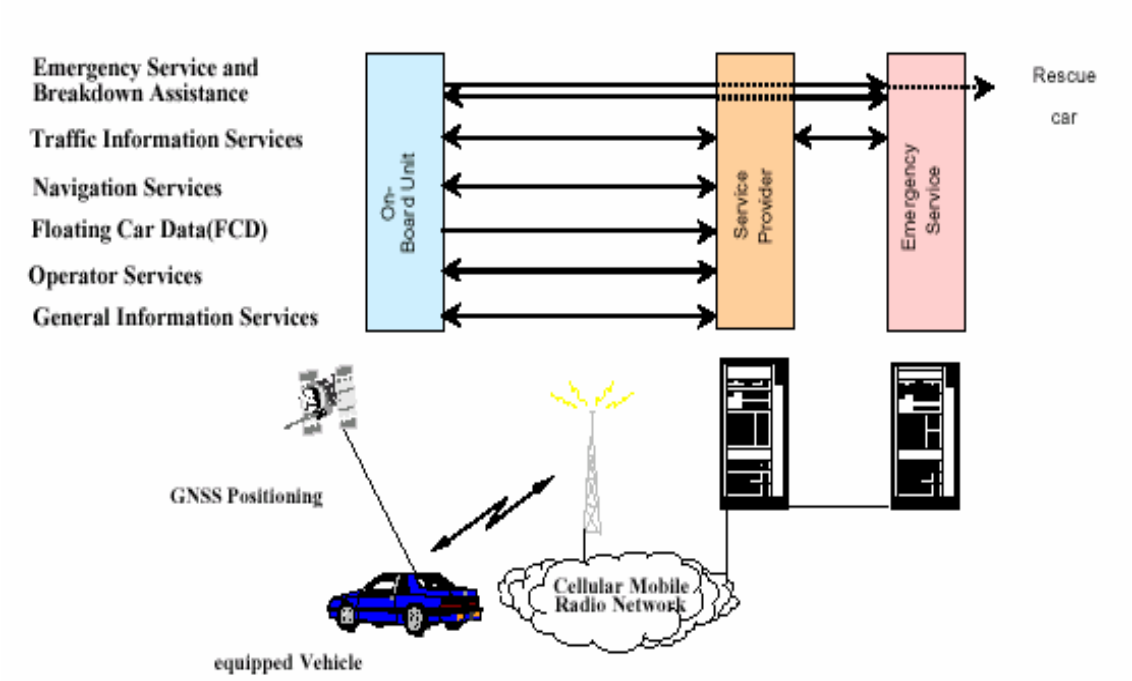
Status of Document: Final Draft of International Standard

Draft Document: TR14821

Title: TTI Messages via Cellular Networks

Scope: TTI Messages via this pre-Standard focuses on an application data specification whereby data is produced at a central supplier and is disseminated via cellular radio networks. It addresses the data specification both of downlink and uplink between a central supplier and randomly located vehicles. It enables messages to be exchanged between different systems and service providers adopting a variety of applications.

Status of Document: Technical Report

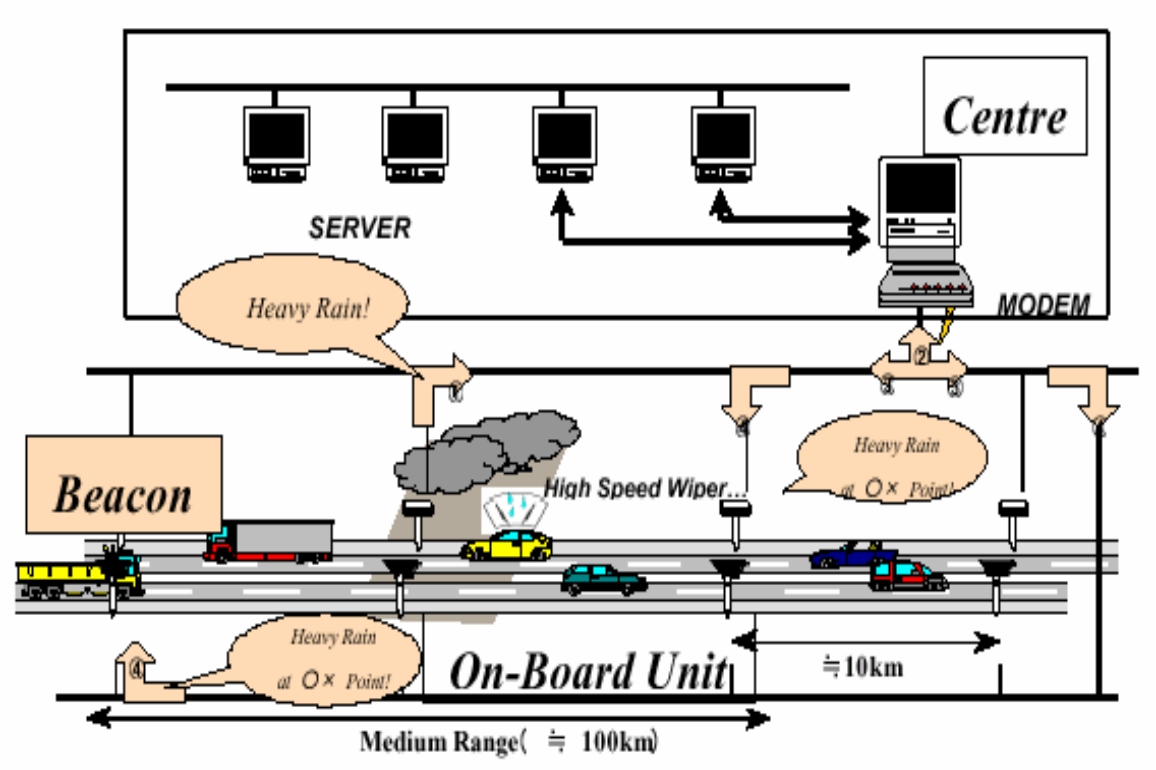


Draft Document: WD14822

Title: Medium-Range Pre-Information

Scope: Within the context co-operative driving, it is recognized that information may be exchanged between vehicles and between vehicles and roadside infrastructure. Such information provides drivers with the status and the regulatory signs concerning surrounding traffic and road network beyond his immediate range of vision/perception. Medium range pre-information (MPRI) applications include:-recommended speed, poor visibility warnings, dangerous road surface warnings, climatic conditions, traffic regulations(such as bends ahead, stop signs, etc.), emergency warnings. Communications with roadside infrastructures is necessary for all applications where there are transmission obstacles which limit inter vehicle communications (tight bends, brow of hill, etc.). For many applications directional information is required, thus allowing a good range of accuracy (special and temporal) for MRPI validity.

Status of Document: Working Draft

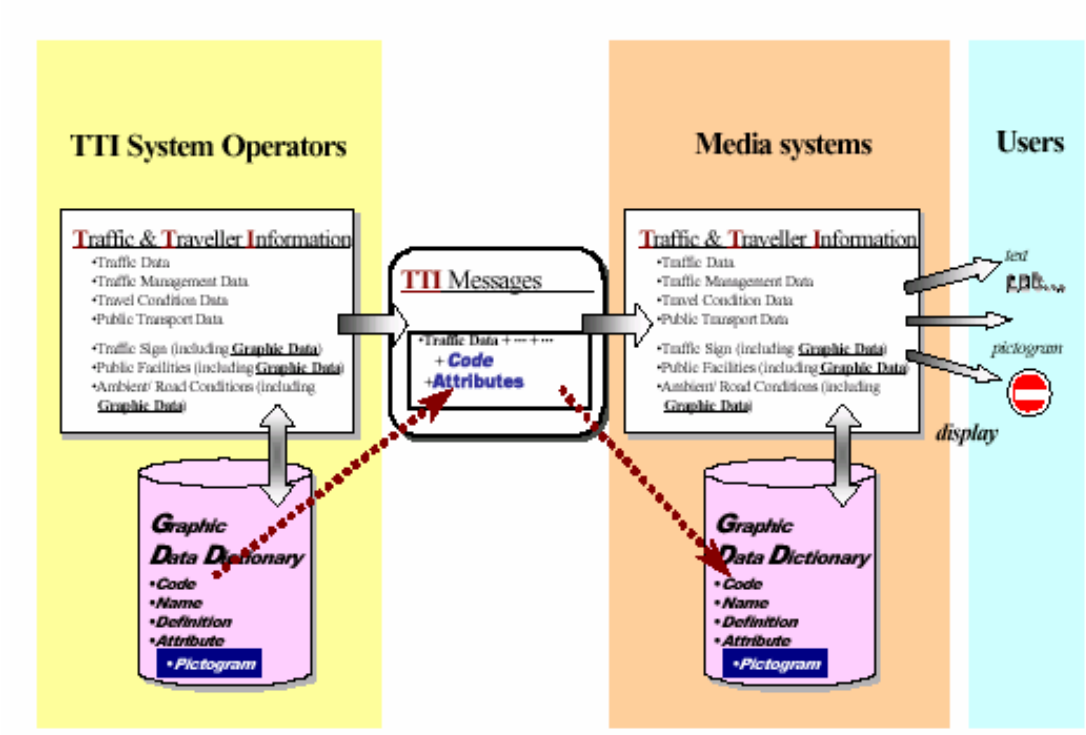


Draft Document: CD14823

Title: TTI Messages via Media Specific Stationary Dissemination System

Scope: Trip information and assistance to route guidance is provided through a variety of means, including static road signs and variable displays at different locations. “Stationary dissemination systems” provides information to fixed devices which display variable, up-to-date information (roadside variable message signs, public access terminals, in-home terminals, etc.). Such messages and information will be derived from the same source(s) as mobile information and are intended to conform to the same standards.

Status of Document: Committee Draft

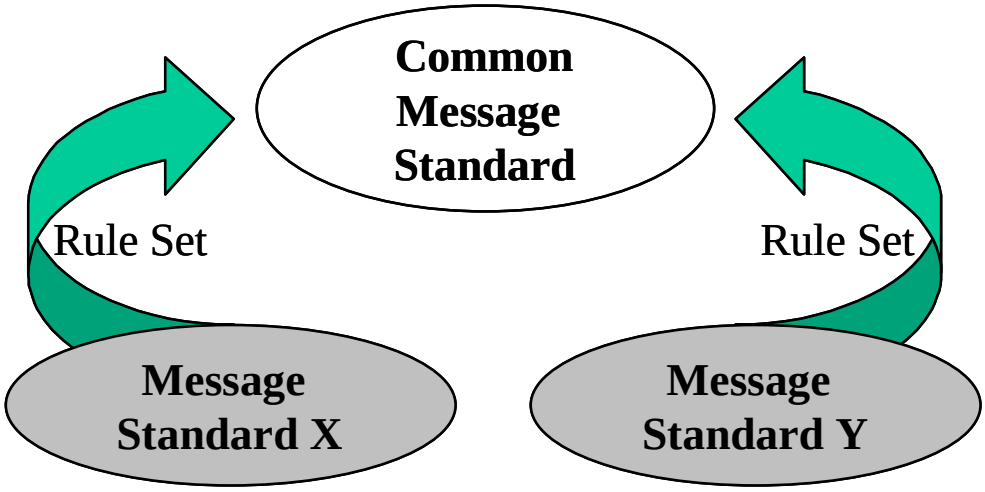


Draft Document: WD15074

Title: User Services Integration for Traffic and Traveller Information Message Lists

Scope: Traffic and traveller information massages are generated by the other Work Items under TC278 WG4 and by other “applications” working groups (in addition to their own, dedicated user service messages). This Work Item is concerned with the integration of all TTI message lists into a coherent list, to ensure a common message set is used for and by all RTTT/IVHS Traffic and Traveller Information User Services. This co-ordinated message list is required in order to allow “open” systems and a multiplicity of services to operate in the delivery of TTI to the end user.

Status of Document: Working Draft



Draft Document: WD18234

Title: TTI over high data-rate broadcast digital bearers (TPEG)

Scope: TPEG is a bearer-independent protocol for use in the multimedia broadcasting environment, and is initially being developed for Traffic and Travel Information applications. B/TPEG will develop applications, services and transport features which will enable travel-related messages to be coded, filtered and understood both by humans(visually and/or audibly) and by agent systems. Currently the following parts of the TPEG specification are distinguished:

Part1-Introduction, Numbering and Versions

Part2-Syntax, Semantics and Framing Structure

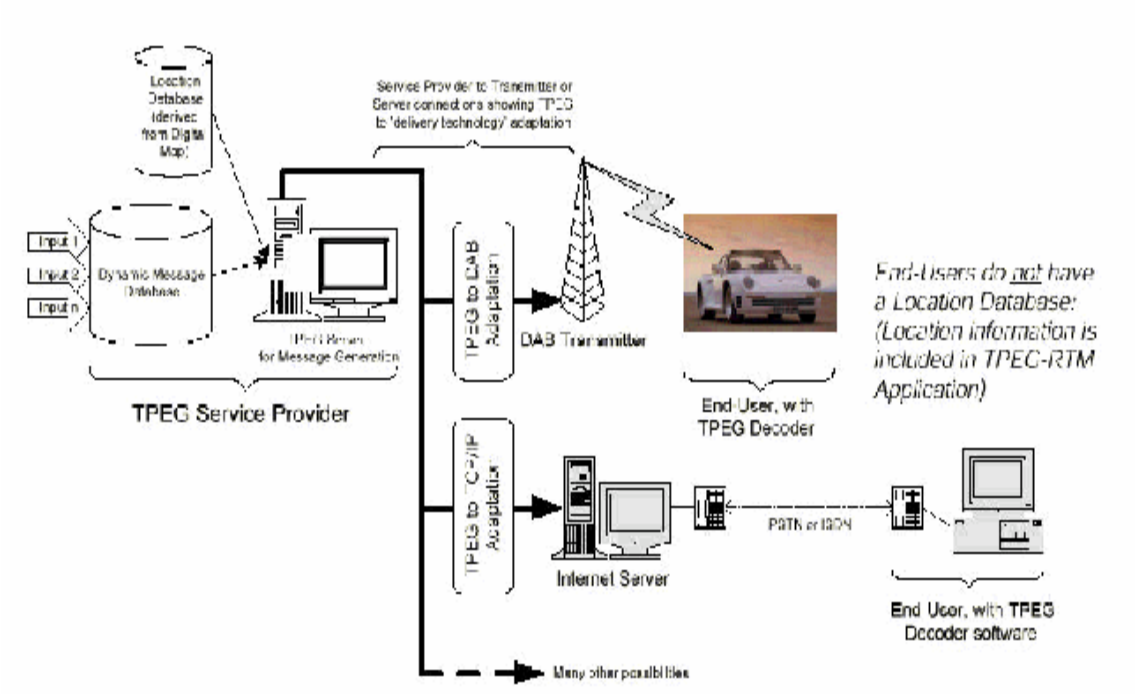
Part3-Service and Network Information(SNI) Application

Part4-Road Traffic Message (RTM) Application

Part5-Public Transport Information application

Part6-Location referencing application

Status of Document: Working Draft



Draft Document: WD24530

Title: TTI via TPEG-XML

Scope: TPEG is a bearer-independent protocol for use in the multimedia broadcasting environment, and is initially being developed for Traffic and Travel Information applications. B/TPEG will develop applications, services and transport features which will enable travel-related messages to be coded, filtered and understood both by humans(visually and/or audibly) and by agent systems. Currently the following parts of the TPEG specification are distinguished:

- Part1-Introduction, Numbering and Versions
- Part2-Syntax, Semantics and Framing Structure
- Part3-Service and Network Information(SNI) Application
- Part4-Road Traffic Message (RTM) Application
- Part5-Parking Information.
- Part6-Congestion and Travel-time information

Status of Document: Working Draft