**EnTM - ANNEX I - Reference Projects**

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| Project | Short description | Status |
| AMQP  <https://www.amqp.org/> | The Advanced Message Queuing Protocol (AMQP) is an open standard for passing business messages between applications or organizations.  It connects systems, feeds business processes with the information they need and reliably transmits onward the instructions that achieve their goals. | On-going |
| AMSTERDAM GROUP  <https://amsterdamgroup.mett.nl/default.aspx> | The Amsterdam Group is a strategic alliance of committed key stakeholders with the objective to facilitate joint deployment of cooperative ITS in Europe. It includes the umbrella organisations [CEDR](http://www.cedr.fr/home/) – [ASECAP](http://www.asecap.com/) – [POLIS](http://www.polisnetwork.eu/) and [C2C-CC](http://www.car-to-car.org/). | On-going |
| AUTOCITS  [www.autocits.eu](http://www.autocits.eu) | **Pilot testing** of C-ITS services for autonomous vehicles on outer-ring roads entering cities in Paris, Madrid, Lisbon | On-going |
| CAR2CAR  <https://www.car-2-car.org/index.php?id=5> | Enhancing road safety and traffic efficiency by means of Cooperative Intelligent Transport Systems and Services (C-ITS) – this is the dedicated goal of the CAR 2 CAR Communication Consortium. | On-going |
| CIMEC  <http://cimec-project.eu> | C-ITS **use cases**, **standardisation** gaps and requirements, **deployment roadmap** | Completed |
| C-MOBILE  <http://ertico.com/projects/c-mobile/> | **Pilot testing** of C-ITS services in specific urban and extra-urban locations in 8 cities across 6 MS. incl. interactions with **VRUs.** On a small scale the extension towards automated driving is piloted. | On-going |
| CODECS  [www.codecs-project.eu](http://www.codecs-project.eu) | Common technical specifications for interfacing the vehicle and urban traffic management system & urban transport authority C-ITS requirements | On-going |
| C-ROADS  <https://www.c-roads.eu/> | **Pilot testing** of C-ITS services (CZ, FR in particular useful for inner-city testing) | On-going |
| C-THE-DIFFERENCE | **Pilot results** of different C-ITS services (similar to list priority list) in Helmond and Bordeaux based on ITS G5 and 3G/LTE. | On-going |

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| DATEX II  <http://www.datex2.eu/> | In the road sector, the DATEX standard was developed for information exchange between traffic management centres, traffic information centres and service providers. The second generation DATEX II specification now also pushes the door wide open for all actors in the traffic and travel information sector. | On-going |
| DRIVE-C2X  <http://www.drive-c2x.eu/project> | The project provided a comprehensive, Europe-wide assessment of cooperative systems through field operational tests. The field trials involving seven test sites all across Europe proved the safety and efficiency benefits of cooperative systems. | Completed |
| MAVEN  <http://connectedautomateddriving.eu/project/maven/> | Infrastructure assisted algorithms for the management of automated vehicles, which connect and extend vehicle systems for trajectory and maneuver planning. | On-going |
| MOBINET  <http://www.mobinet.eu/> | At the core of MOBiNET is a platform providing components and tools that enable interactions between users and suppliers of mobility services. The MOBiNET e-marketplace allows content and service providers to exchange transport and mobility services for new or third-party service development. | Completed |
| NORDICWAY  <http://vejdirektoratet.dk/EN/roadsector/Nordicway/Pages/Default.aspx> | **Pilot and deployment** of cellular and hybrid C-ITS hazard, weather and road works warnings as well as probe vehicle data in Denmark, Finland, Norway and Sweden so that the traffic management centres interact with vehicles and travellers via national, OEM and service provider clouds. | On-going |
| NTCIP  <https://www.ntcip.org/> | The NTCIP is the first set of standards for the transportation industry that allows traffic control systems to be built using a "mix and match" approach with equipment from different manufacturers. NTCIP is a joint product of NEMA, AASHTO and ITE. | Ongoing |
| Standards Urban ITS  <http://www.itsstandards.eu/index.php/urban-its> | A prestudy was carried out by CEN/TC 278 to identify gaps and overlaps in ITS standards that may be needed by Urban Administrations to assist them to implement Urban-ITS. | On-going |

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| TM2.0 <http://tm20.org/> | The overall objective of TM2.0 is to provide a discussion forum around the topic of interactive traffic management for all relevant stakeholders, in the entire Traffic Management Procedure value chain. | On-going |
| TN-ITS  <http://tn-its.eu/> | TN-ITS is a deployment platform to facilitate the provision and exchange of ITS spatial data between public authorities and third parties. | Completed |
| UTMC  <https://www.utmc.eu/> | UTMC is a UK-based initiative which provides traffic managers with open technical specifications, supporting an innovative competitive marketplace and helping systems interwork effectively. | On-going |