



Accelerate cooperative mobility

## Deliverable D23.1

# Enhanced System Specification (abstract)

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## Executive summary

D 23.1 aims at the description of the DRIVE C2X Enhanced System specifications. Chapter 1 provides a general description of the Enhanced System Architecture, it introduces the different actors of the ITS network and it defines the communication architecture. In addition, the chapter provides the general structure of the used messages and it depicts how the information is exchanged.

Chapter 2 describes how each actor is composed internally identifying the functionalities and the interfaces and grouping together in components.

Chapter 3 provides a detailed specification of each component defined in the previous chapter. In particular, for each component the functional description, the interfaces and a flow chart of the functionalities are provided.

Chapter 4 provides a detailed specification of the functions considering the specification of the components provided in the previous chapter. In particular, the specification includes a functional description, the interaction of with other components specified in Chapter 3 for each function.

Chapter 5 concludes giving recommendations on the usage of the DRIVE C2X Enhanced System specifications.

Annex A and B provides a detailed description of the messages used by the DRIVE C2X system and the list of used standard technical specifications respectively.

Finally, Annex C provides the list of vehicle information (VDP objects) which is available in the DRIVE C2X Enhanced System Architecture.

Note: It should be noted that the current version might be updated due to changes which will affect the implementation in a later stage and from the integration of a new partner in the consortium.