



CMC Newsletter Issue 14 / October 2020

CMC finalising Basic Specification for motorcycle C-ITS

CMC have been working hard to achieve the goal being set out in 2016: To have a 'Basic Specification' for C-ITS systems for motorcycles ready for publication by the end of 2020. All for the sake of improving rider safety.

In the time leading up to this, studies have been conducted, prototype bikes have been built and evaluated, and meetings have been held with various stakeholders. All of this culminated in a set of (currently still draft) documents that address various topics related to the introduction of C-ITS for motorcycles.



Contents

The main issues in the 'CMC Basic Specification' are the following.

Studies of motorcycle accidents and potential safety benefits of C-ITS were conducted and described in an "**Assessment of C-ITS application potential**".

The C-ITS applications themselves are defined in "**Application Specification**" and "**System Specification**" documents.

CMC has also prepared prototype C-ITS vehicles and conducted evaluation tests to verify the system, applications and parameters of them. The test results are summarised in an "**Evaluation Report**".

The CMC Basic Specification is strongly related to other C-ITS standards, such as

the Basic System Profile defined by the CAR 2 CAR Communication Consortium. Therefore, a “**CMC position towards other standards**” document is created to describe the points that need to be adapted from the original standards in order to accommodate motorcycles.

Furthermore, CMC has developed a strategy for the implementation time-plan of the different C-ITS applications, related to the extent in which they contribute to the rider safety as well as their technical challenges. To this purpose, an “**Application Roadmap**” has been defined.

CMC also investigated on the topic of Human Machine Interface design and concludes that an alignment in HMI design will further enhance rider’s safety as described in the “**HMI guideline**”.



Prototype testing

CMC will continue these activities in order to further develop and enhance the CMC Basic Specification and to communicate with C-ITS stakeholders so that C-ITS technology for motorcycles can be widely accepted by the C-ITS community.

Together for Rider Safety

