

ETSI TS 102 724 V1.1.1 (2012-10)



Intelligent Transport Systems (ITS); Harmonized Channel Specifications for Intelligent Transport Systems operating in the 5 GHz frequency band

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Intelligent Transport System (ITS).

Introduction

The present document describes the access layer configuration and derives requirements of the higher-layer use of the ITS-G5 channels allocated for road safety and efficiency in Europe. The specification is the bases for the detailed definition of the cross layer Decentralized Congestion Control (DCC).

The present document is centred on the notion of routing different communication traffic streams to different channels, depending on the current congestion state of the respective channels, and assigning channel-access priorities. Furthermore, it introduces *rate control* in order to keep traffic offered on the channels below reasonable bounds. The configuration settings of channel routing and rate control are under full control of the Management Layer.

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