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| **Radiocommunication Study Groups** |  |
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| Source: Document 5A/TEMP/107Subject: Question [ITU-R 205-5/5](http://www.itu.int/pub/R-QUE-SG05.205) | **Annex 25 to****Document 5A/306-E** |
| **3 June 2013** |
| **English only** |
| Annex 25 to Working Party 5A Chairman’s Report |
| working document toward a preliminary draftnew recommendation ITU-R m.[V2X] |
| Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communication for intelligent transport systems applications |

(Question ITU-R 205-5/5)

Scope

This Recommendation identifies specific radio interface standards of vehicle-to-vehicle and vehicle-to- infrastructure communication for ITS applications. The technical and operational characteristics described in this Recommendation are based on current and existing frequency bands already identified for ITS systems and applications in the mobile service.

Related ITU Recommendations

The existing Recommendations that are considered to be of importance in the development of this particular Recommendation are as follows:

Recommendation ITU-R [M.1453](http://www.itu.int/rec/R-REC-M.1453/en) Intelligent Transport Systems – dedicated short-range communications at 5.8 GHz

Recommendation ITU-R [M.1890](http://www.itu.int/rec/R-REC-M.1890/en) Intelligent Transport Systems – Guidelines and Objectives

Acronyms and abbreviations

ARIB Association of Radio Industries and Businesses

ETSI European Telecommunication Standards Institute

IEEE Institute of Electrical and Electronics Engineers

The ITU Radiocommunication Assembly,

considering

*a)* that standards development organizations (SDOs) are developing specific standards for vehicle to vehicle and vehicle to infrastructure communication in the intelligent transport system (ITS) service;

*b)* that using the ITU-R Recommendation identifying these standards, manufacturers and operators should be able to determine the most suitable standards for their needs,

noting

Recommendation ITU‑R M.1453, which recommends Dedicated Short Range Communications (DSRC) operating at 5.8 GHz,

recommends

1 that the radio interface standards in Annexes 1 to 3 should be used for vehicle to vehicle and vehicle to infrastructure communication.

Annex 1

[System “A”]

# 1 ETSI standards

Annex 2

[System “B”]

# IEEE standards

[*Editor’s Note: Administrations, Sector Members or IEEE may wish to contribute to the November 2013 meeting, similar to the IEEE specifications provided in 5A/262.*]

Annex 3

[System “C”]

# 1 ARIB standards