



## About 79 GHz

The 79 GHz automotive frequency band, once available worldwide, will promote and accelerate the transition from the currently used 24/26 GHz band, which is an intermediate regulatory solution, to the 79 GHz band.

The concept of the 79 GHz project is to establish an international platform to define, organise, coordinate and manage the worldwide activities of all the 79 GHz stakeholders.

National frequency regulations don't happen automatically but have to be initiated by the relevant stakeholders. The 79 GHz project will concentrate individual efforts of companies throughout Europe, and thus speed up the negotiation process with national and international bodies, resulting in a much faster global rulemaking process. A core objective of the project is discussing and negotiating with national administrations and important organisations outside of Europe to initiate or accelerate the rulemaking process.

Sustainable, worldwide deployment and economical proliferation and growth are only possible if the main precondition (globally available and harmonised frequency bands) is respected and fulfilled. National regulations shall be in force on a global scale to establish a mass market for affordable radar systems. Without sufficient planning reliability, the investment and motivation of the stakeholders engaged in the development of 79 GHz vehicular radar applications will be very low – if not inexistent.



## What is 79 GHz?

The frequency range 77 GHz to 81 GHz (79 GHz) was defined by the European Commission in 2004 as the frequency allocation for automotive short range radar systems. The initial intention and objective of this 79 GHz project is to establish and speed up the worldwide harmonised frequency allocation for vehicular radars in that frequency range.



International automotive 79 GHz frequency harmonisation initiative and worldwide operating vehicular radar frequency standardisation platform



## Project Partners



<b>Duration</b>	1 July 2011 – 30 June 2014
<b>Total cost</b>	€ 1,117,000
<b>Total EU funding</b>	€ 898,000

### For any additional information, please contact:

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[www.79ghz.eu](http://www.79ghz.eu)

## INVITATION 79 GHz Workshop

Organised by ERTICO - ITS Europe

Venue provided by  
International Telecommunication Union  
7 November 2012





## 79 GHz Workshop

The 79 GHz support action was launched on 1 July 2011, with the aim of establishing an international platform to define, organise, coordinate and manage the worldwide activities of all the 79 GHz stakeholders.

On 7 November 2012, the 79 GHz consortium will organise a workshop in Geneva, Switzerland. Within the framework of the ITU World Radiocommunication Conference 2015 WRC-15 AI 1.18 on allocation of the band 77.5-78 GHz to the radiolocation service to support automotive short-range high-resolution radar operations, we will present an overview of our achievements and of the work that has been carried over the past year at global level, in countries where we aim to achieve the same regulation as already adopted by the European Commission in Decision 2004/545/EC.

79 GHz activities carried out worldwide with vehicle manufacturers and automotive supplier associations will also be brought to the table, and demonstrations will be organised (more details will shortly be available online).

With this workshop, the 79 GHz consortium wishes not only to present the progress of the work done, but also to foster discussions among stakeholders.

Therefore, on behalf of the 79 GHz consortium, I wish to invite you to join us in this event, and to share your thoughts and best practices with us.

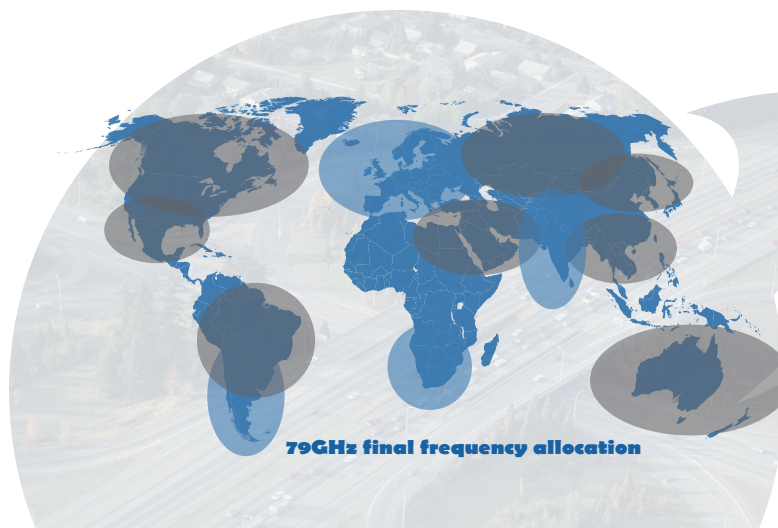
We look forward to seeing you there!

Jürgen Hildebrandt  
79 GHz project coordinator  
Robert Bosch GmbH

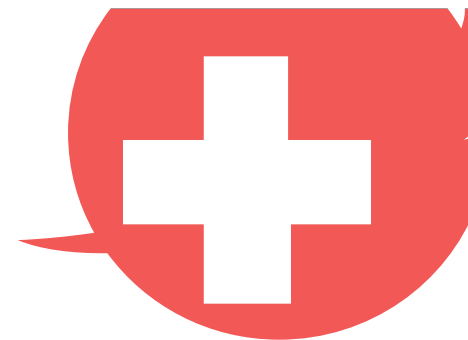


## Programme

10:00 – 10:30	<b>Registrations open</b>
10:30 – 10:50	<b>Welcome Address</b> John Mettrop, Chairman of ITU-R Working Party 5B Jürgen Hildebrandt, Robert BOSCH GmbH
10:50 – 11:05	<b>CSA 79 GHz: supporting the international automotive 79GHz frequency harmonization</b> Jürgen Hildebrandt, Robert BOSCH GmbH
11:05 – 11:40	<b>Available technology for 79 GHz radar sensors &amp; available functions (safety, Euroncap, pedestrian, etc.)</b> Jürgen Hildebrandt, Robert BOSCH GmbH Frank Ernst, Robert BOSCH GmbH
11:40 – 12:15	<b>Progress of the 79GHz allocation in the world: country specific actions and results</b> Frank Gruson, Continental
12:15 – 12:30	<b>OICA / CLEPA Activities: Joint Automotive Radio Regulations – Radio Frequencies Working Group</b> Sylvain Germaine, TRW/Autocruise
12:30 – 12:50	<b>Questions and Answers</b>
12:50 – 13:00	<b>Automotive Radar Systems - Helping to improve road safety</b> Markus Richter, Daimler AG
13:00-14:00	<b>Lunch &amp; Demonstration launch</b>
14:00 – 16:30	<b>Show car demonstration</b>



79GHz final frequency allocation

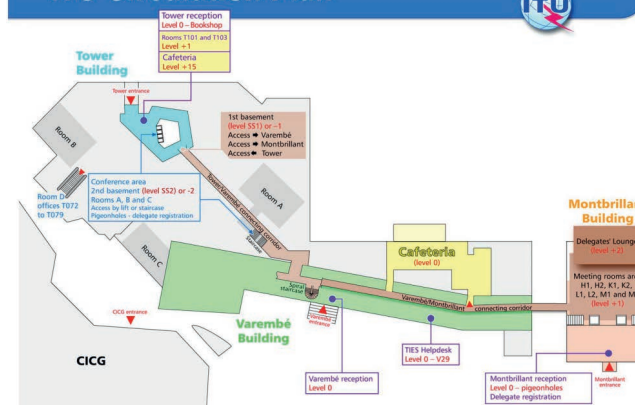


## Venue provided by

### INTERNATIONAL TELECOMMUNICATION UNION Radiocommunication Sector (ITU-R)

Montbrillant building  
Room K - first floor  
2 rue de Varembé  
CH-1211 Geneva  
Switzerland

## ITU Circulation Plan



For further information on how to get there, please visit  
[www.itu.int/SG-CP/info/togeneva.html](http://www.itu.int/SG-CP/info/togeneva.html)

