

MIC's Recent Activities on ITS

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ITS AMERICA ERTICO

Built By:

In the business of

buildina businesses

In Partnership With:



MIC's Role: Communications Policy

 MIC promotes ITS radiocommunications in coordination with the other ministries and agencies

International Standardization

Joining and leading standardization processes in international organizations such as ITU

Regulation

Frequency allocation Promoting efficient use of radio wave

International Cooperation

Promoting global use of ITS to address social issues



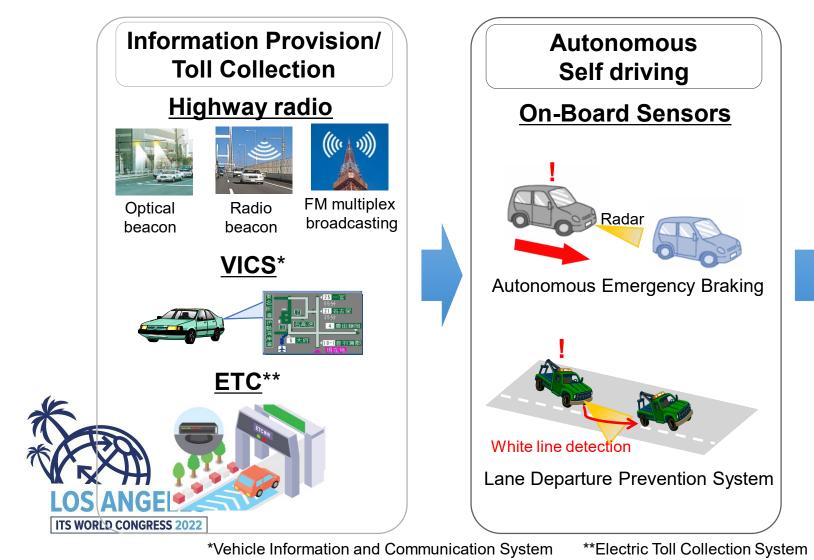
R&D and FOT

Conducting R&D and technical studies for new technologies

1

Evolution of ITS

Advanced Driver Assistance



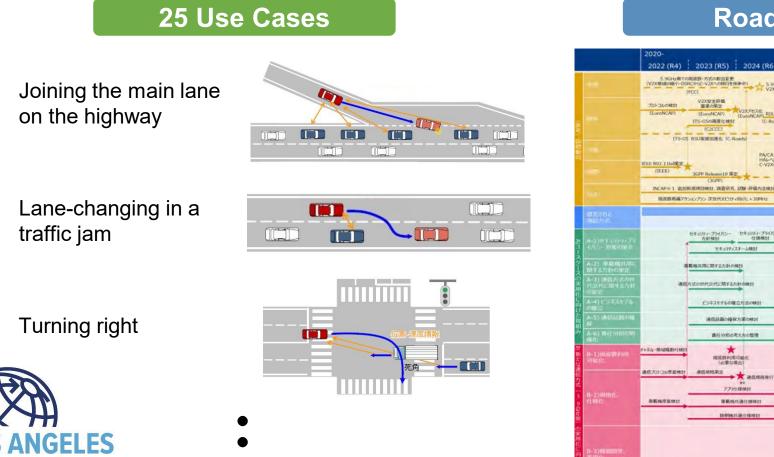
Cooperative Self driving V2X Communication*** **Connected Car**

Automated Driving Systems

***vehicle-to-everything

Advanced Use Cases of Connected Car

 Developed 25 use cases and a roadmap towards advancement of connected and automated driving



ITS WORLD CONGRESS 2022

Roadmap

セキュリティ・プライバシー仕様常

キュリティスキーム構成

3

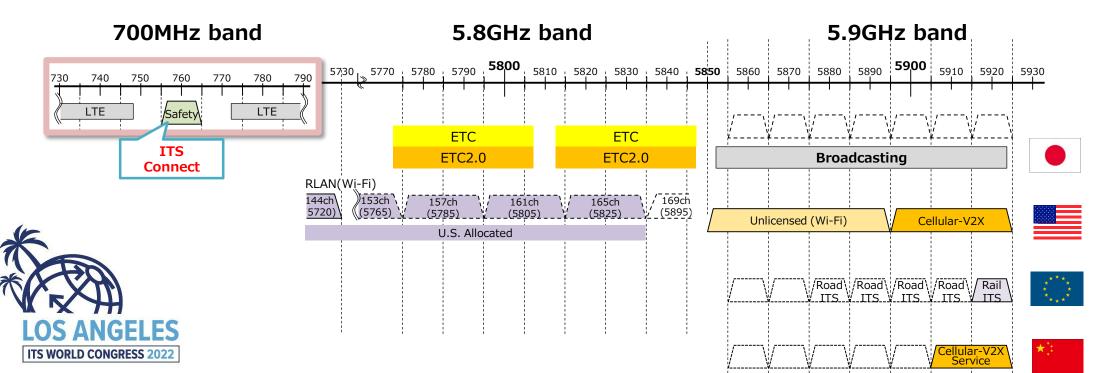
V2X Communications in 5.9 GHz under consideration

Frequency Reorganization Action Plan (November, 2021)

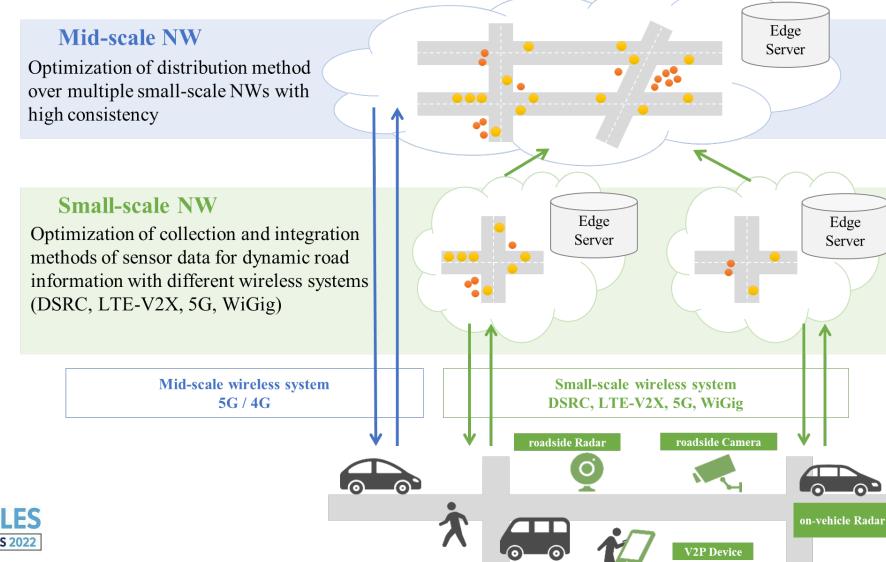
 Consideration on technical conditions for sharing with existing radio services in case of introducing V2X system into 5.9 GHz band will be finished by the end of March 2022

4

• If V2X system is allocated to 5.9 GHz band, the allocation will be done around 2024 with the consideration of existing radio services



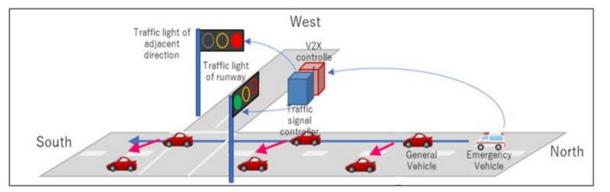
R&D on combining small-scale NW and mid-scale NW





International cooperation in Asia

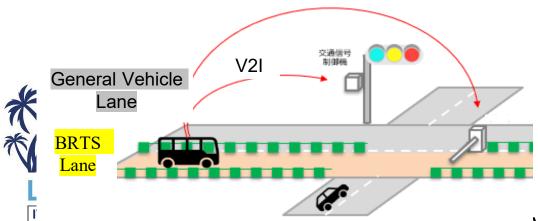
1. Emergency Vehicle Priority System







2. BRTS (Bus Rapid Transit System) Priority System



Antenna Box



V2X device on roadside

6

Thank you for listening!

If you have any questions, please contact us. itsradio@ml.soumu.go.jp





Ministry of Internal Affairs and Communications