SIP-adus Workshop 2021 Breakout Workshop

Research of V2X communication for Cooperative Driving Automation

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1.Research status of V2X communication for cooperative driving automation

- TF on V2X communication for Cooperative Driving Automation (CDA) has been established in 2019
- Started research for communication methods for CDA

[Purpose]

Draw the ideal form of cooperative driving automation and the roadmap to realization, while considering international standards, establish the optimal communication method policy by ALL JAPAN

[goal]

- Propose the optimal communication method for CDA
- Draw the roadmap for communication method (requirement)

1. Research status of V2X communication for cooperative driving automation

- Activities of TF on V2X Communication for CDA
- Define CDA
- Develop CDA use cases based on the definition
- Define communication requirements based on use cases
- Examination of applicability of existing ITS communication
- Technology verification for Communication methods (frequency / bandwidth) for CDA
- Proposal of communication method and the roadmap

Phase1

Done

Phase2

Done

Phase3

On going

. Research status of V2X communication for cooperative driving automation



SIP Cooperative Autonomous Driving Use Case 1st Edition released

Contents

- CDA system definition
- Scope of study
- Use case review process
- SIP CDA use cases

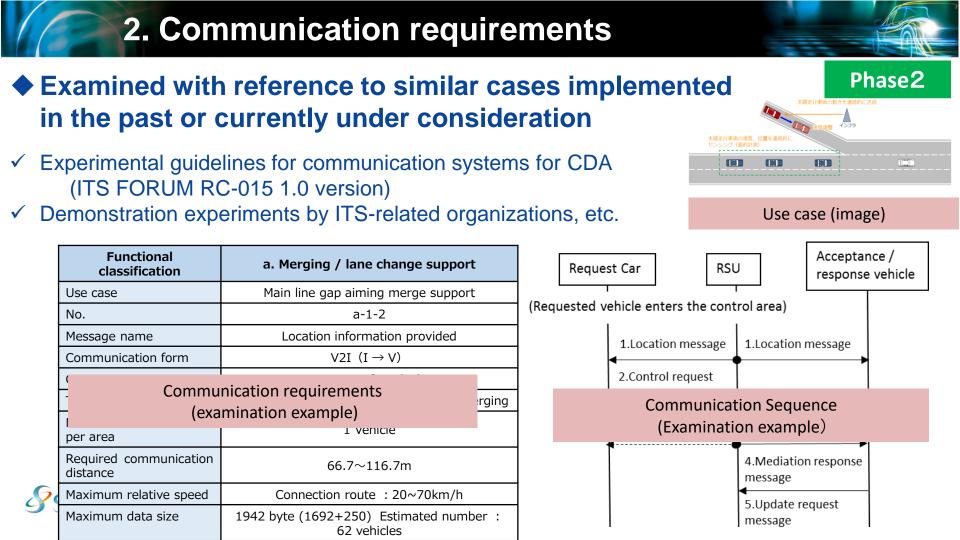
SIP Use Cases for Cooperative Driving Automation

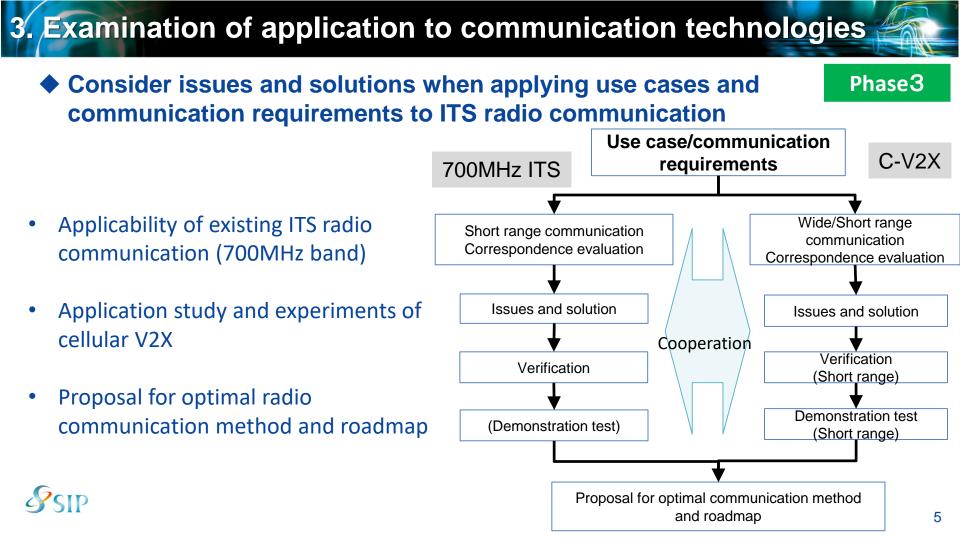
 Activity Report of Task Force on V2X Communication for Cooperative Driving Automation in FY2019 —

First edition issued on September 3, 2020

Task Force on V2X Communication for Cooperative Driving Automation, System Implementation Working Group, Cross-Ministerial Strategic Innovation Program (SIP) Innovation of Automated Driving for Universal Services (SIP-adus)

(https://en.sip-adus.go.jp/rd/rddata/usecase.pdf) ³





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Thank you