
$2^{\text {nd }}$ December 2021, 5G-Blueprint Forum on Teleoperation

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## Fifth Generation Cross-Border Control



- 24 partners from 7 European Countries
- Total project budget $\cong 17 \mathrm{M} €$
- Expected EC contribution $\cong 13 \mathrm{M} €$
- Project duration: 44 (36) Months until 06/2022 (from proposal 10/21)
- 3 CCAM key use cases demonstrated
- Tele-Operated Driving, HD Mapping, Anticipated Cooperative Collision Avoidance

Validation of 5 G technologies for cross boarder Connected Cooperative Automated Mobility use cases

## Three CCAM Key Use Cases

- Tele-Operated Driving

ToD


- HD Maps for Enabling Autonomous Driving

HD


- Anticipated Cooperative Collision Avoidance ACCA



## Two Concepts for TeleOperated Driving

Direct Control

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## Four User Stories

User Story 1
Direct Control, Low Velocity, Closed Area


User Story 2
Indirect Control, Low Velocity, Closed Area


## User Story 3

Only Monitoring, Varying Velocity, Open Area


User Story 4
Indirect Control with Slim Uplink, Low Velocity, Closed Area


## 5 GCrOCO

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