

Roadside assistance for CAVs

IRF Driving Innovation session

Road Infrastructure Solutions for
Seamless Autonomous Mobility



Why is CCAM relevant?

(CCAM: Connected, Cooperative & Automated Mobility)

If done right, it can contribute to

- » Increased safety, towards vision zero
- » Increased accessibility of mobility services
- » Reduced harmful emissions from transport
- » Increased value of time

However, these challenges have to be addressed

- » Key technologies are still being developed: they need to be safe, tested, validated
- » The right legal framework has to be set up and adopted at Member State and EU-level
- » CAVs will have to be integrated into the broader transport system and interact with other forms of mobility
- » Acceptance and trust in CCAM technology, by users and society, has to be nurtured every step of the way



Demo '98 – Rijnwoude, Netherlands



Reality 2023 - San Francisco, United States



<https://www.linkedin.com/feed/update/urn:li:activity:6982377648664502272>



Positive and negative experiences

- » Smooth driving
- » Feels safe
- » Assertive
- » Stops for pedestrians
- » Sticks to the rules
- » Sticks to the rules...
- » Mobbed / attacked
- » Pick up & drop off issues
- » Illogical routes
- » Bricking
- » Interaction with first responders



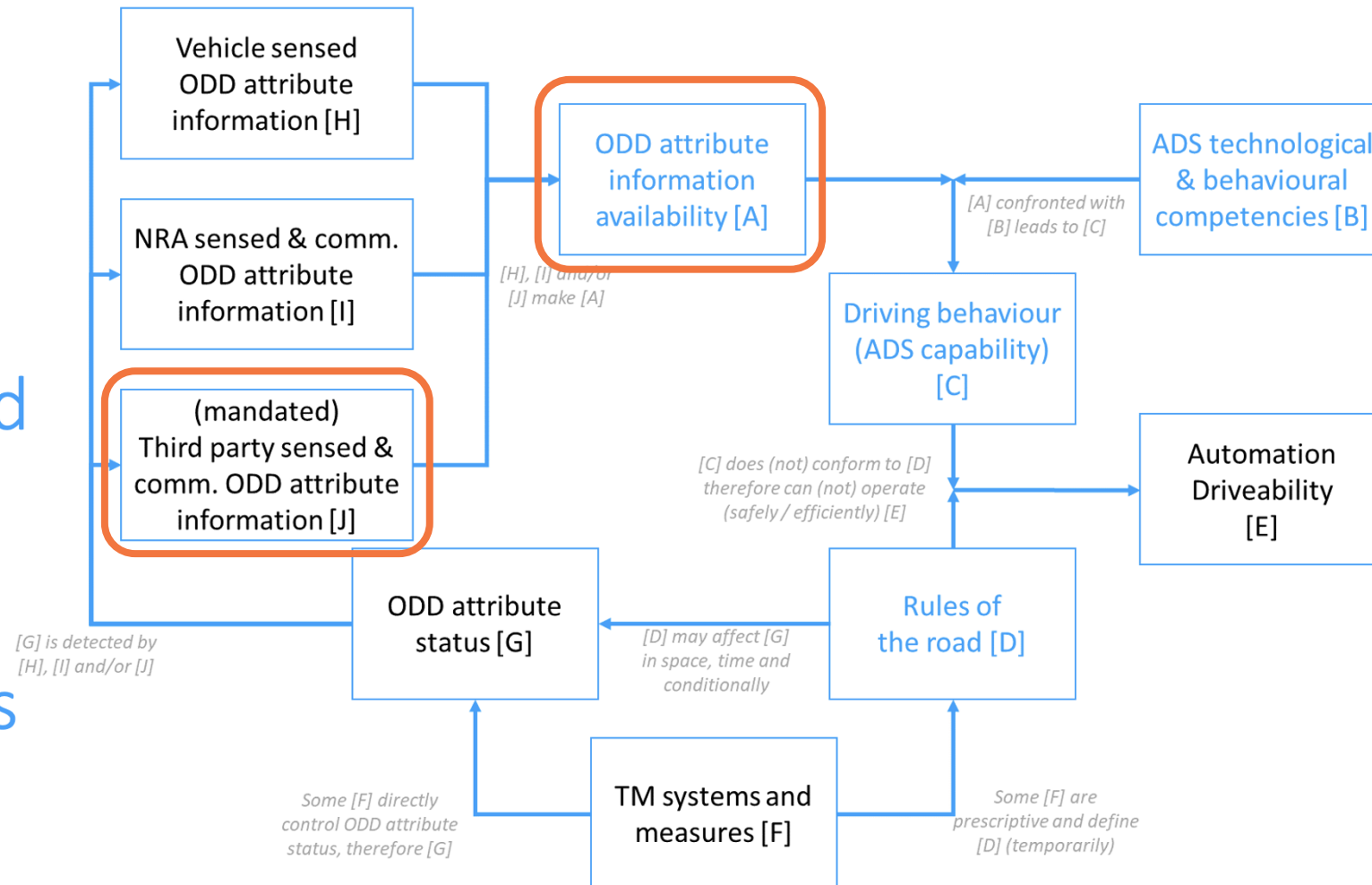
“roadside assistance” for CAVs, connectivity is key



FORD research 70s

DOVA

Distributed ODD Attribute Value Awareness



Discussion points

- » Joint challenge to close / overcome ODD gaps or deal with them (ToCs)
- » Multistakeholder and multidisciplinary challenge(s), cooperation is key
- » Connectivity is key to Facilitate and/or enhance automated driving
- » Difference between automating vehicles (individual) and automating traffic (collective)
- » Necessity of remote monitoring and remote support

MAP >> Transforming Mobility

Thank you for your attention

Let's discuss!

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