

Workshop

Cross-border Cooperation for CCAM Testing

- 8 contributions received, still limited data but some trends appear
- (Understandably) not all contributions cover all aspects (i.e. functionalities and all enablers)
- Focus on elements that require cross-border cooperation and public intervention, are a must-have, urgent and feasible in the short term (blanks allowed in some columns)



Vehicle and/or Infrastructure Functionalities	High	Medium	Low	(blank)	Grand Tot
Respecting dynamic traffic rules (e.g. variable speed limits, police instructions)	1	2		1	4
Passing construction sites	1	2		1	4
Respecting traffic lights	1	1		2	4
Advanced traffic management	3		1		4
Incident detection (e.g. end of traffic jam)		2		2	4
Avoiding collision risk	1		1	1	3
Interacting with Vulnerable Road Users	1			2	3
Stop safe in case of malfunction			1	2	3
Accurate / reliable positioning (e.g. adverse weather)	1			2	3
Lane changing / merging	1			2	3
Identifying suitability of automation mode and / or automation level			1	1	2
Respecting static traffic rules (e.g. entering one-way street)		1		1	2
Handling complex or missing lane markings (e.g. Toll plaza traffic)	1	1			2
Entering / exiting highways				2	2
Integration with other (complementary) transport modes	1				1
Handling complex intersections	1				1
Grand Total	13	9	4	19	45

- All functionalities appear at least once
- 5 functionalities stick out with 4 mentions

Row Labels	High	Low	Medium	(blank)	Grand Tot
Short-range connectivity (V2V, V2I)	1		1	2	4
Functional safety	1	1	1	1	4
Decision and control incl. AI techniques	1			1	2
Big Data Collection	1	1			2
Road infrastructure			1	1	2
Maps & electronic horizon			1	1	2
Cloud Connectivity			1		1
Electric vehicles			1		1
Grand Total	4	2	6	6	18

- HMI, sensors development & integration into wider IoT system not mentioned once
- Two technical enablers stick out with 4 mentions

Row Labels	High	Low	Medium	(blank)	Grand Tot	
Regulations			1	1	3	5
Cyber-security	1			2	2	5
Mixed traffic				1	3	4
Standards			1		3	4
Privacy	1	1			2	4
Collaboration	1	1			2	4
Data Gov & Exchange			1		2	3
Liability					2	2
Mandatory deployment of C-ITS			1		1	2
NEW - Mandatory training of drivers for levels 3 & 4 vehicles					2	2
Traffic Management					2	2
Insurance					1	1
Road users interaction					1	1
NEW - Centralised fleet management of automated vehicles					1	1
Grand Total	3	6	4	27	40	

- Methodology & business models not mentioned
- Six non-technical enablers stick out with 4 or more mentions

More information



Directorate-General for Mobility and Transport

http://ec.europa.eu/transport/index_en.htm

ITS Action Plan and Directive

http://ec.europa.eu/transport/its/road/action_plan_en.htm

White Paper 2011

http://ec.europa.eu/transport/strategies/2011_white_paper_en.htm

Thank you for your attention!



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