



sAFE

Aftermarket eCall for Europe

eCall Association – Webinar

30 January 2020, 14:30 CET

Hosted by Andy Rooke and Steve Schneider



Co-financed by the Connecting Europe
Facility of the European Union

Organiser/Co-Organiser

- called „staff“
- ITS mobility
- Control of the webinar

Panelists

- called „staff“
- Speaker while the webinar
- Frank Brennecke
- Andy Rooke
- Bob Williams
- Steve Schneider

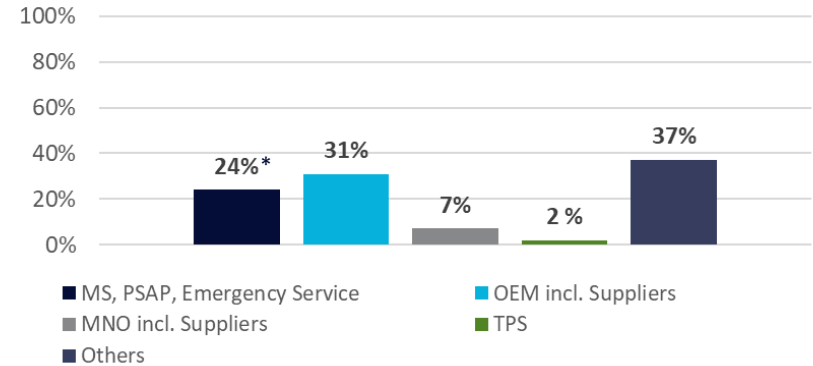
Participants

- Called „attendee“
- Can only see the speaker at the moment
- Participating in the poll (anonymous, only the organiser sees the results and can communicate them openly in the webinar)
- Are muted from the beginning (only the Organiser can unmute)
- Can ask questions by using the question box in the control panel

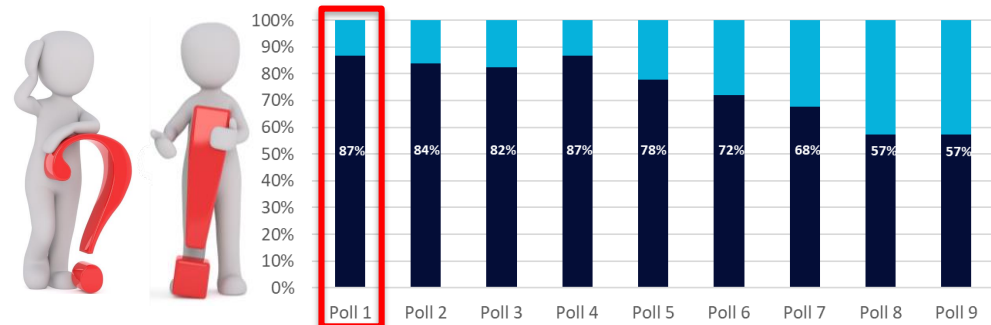
Which of the following organisations do you associate yourself with?

- a. Member State, Emergency service, PSAP (Public Safety Answering Point)
- b. OEM incl. suppliers (Origin Equipment Manufactures)
- c. MNO incl. suppliers (Mobile network operator)
- d. TPS (Third party service provider)
- e. Others

Poll 1 – Responses



Response rate/Poll *





Welcome Note

Frank Brennecke – OECON Products & Services GmbH

Project Coordinator sAFE

Contact Person:

Frank Brennecke
brennecke@oecon-line.de



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I. Welcome Note (Frank Brennecke)

II. Status Quo

- eCall how did we get to where we are now?
- What happens currently (SAFE content)
- Current status of associations as well as working and standardisation groups
- Results of the EeIP Meeting on Nov 2019
- What is missing? (Feedback from the audience)

III. Open Challenges

- Technical challenges of the existing pan European eCall
- Organisational challenges within the eCall development/deployment
- What is missing?

IV. Self-organised eCall Association

- Relevant stakeholders and interest groups
- Possible aims and tasks
- Possible organisational structure
- How could this association be funded

V. Next steps

Hosted by Andy Rooke and Steve Schneider

I. Welcome Note

II. Status Quo (Andy Rooke)

- eCall how did we get to where we are now?
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- Current status of associations as well as working and standardisation groups
- Results of the EeIP Meeting on Nov/Dez 2019
- What is missing? (Feedback from the audience)

III. Open challenges

IV. Self-organised eCall Association

V. Next steps



Status Quo

Andy Rooke – Shadow Focus Ltd.

Technical Implementing Officer sAFE

Contact Person:

Andy Rooke

andy@shadowfocus.com



eCall – Today

- The partners associated with HeERO, HeERO2, I_HeERO and now sAFE have an unrivalled expertise in all aspects of eCall
- eCall is a legal requirement
 - In force since 1st April 2018 for new types of M1 and N1 vehicles
- sAFE is now
 - Developing aftermarket specifications for **ALL** vehicle classes
 - Finishing the work of P2W line fit eCall
 - Cost Benefit Analysis for eCall
 - Generic deployment plan for After-market eCall
 - NG 112 eCall
 - Testing across 12 member states

eCall is evolving technically faster than legislation and regulation
eCall evolution is being driven by technology currently, does this truly take account of the users?

- Extensive work with ETSI
 - NG communication standards
 - TestFest
- CEN 278 WG15 Who are working with sAFE
 - TS 17184 is the PS equivalent of “High Level Application Protocols” (EN 16062)
 - CEN TS 17184, eCall using IMS
 - TS 17240 is the PS equivalent of EN 16454 (Conformance tests)
 - CEN TS 17240, eCall using IMS conformance tests

Where does eCall go after Project sAFE?

- Extension into other vehicle types
- Conversion of specifications for after-market to standards
- Continued work with CEN278 WG15
- The connected car

A number of associations representing parts of the eCall chain

- GSMA
- EENA
- ACEA
- CLEPA/JAMA
- ERTICO

→ No one body truly has a global view on the eCall value chain, there is not one specific body for reference

What now?

- Do we wait for EC/EU to regulate?
- How to avoid the TPS mess in the regulations happening with the new categories and technologies?
- We now have the tools to widen eCall to other classes and use packet switched networks and even satellite communications

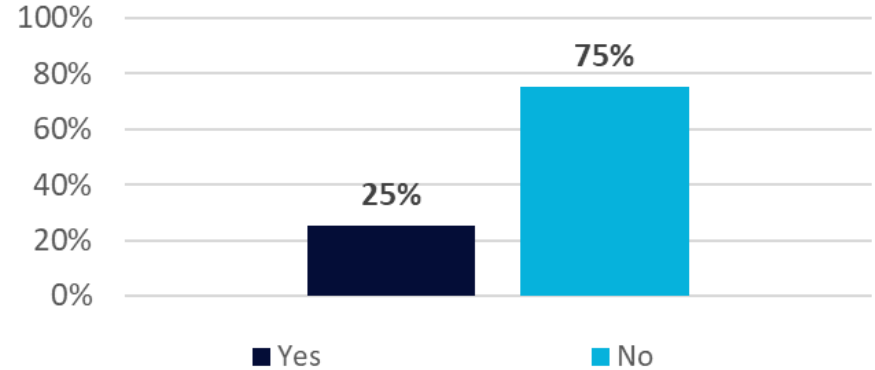
Wouldn't it be better if the Industry organised itself through voluntary means?

- It would be quicker, less onerous, more flexible, and save lives more quickly
- Industries such as Automatic Identification, IoT, CAR 2 CAR Communication Consortium largely regulate themselves, organise projects, have interfaces to Commission and cooperate with the Commission
- Could this work for eCall as an all-inclusive association covering every aspect of the value chain

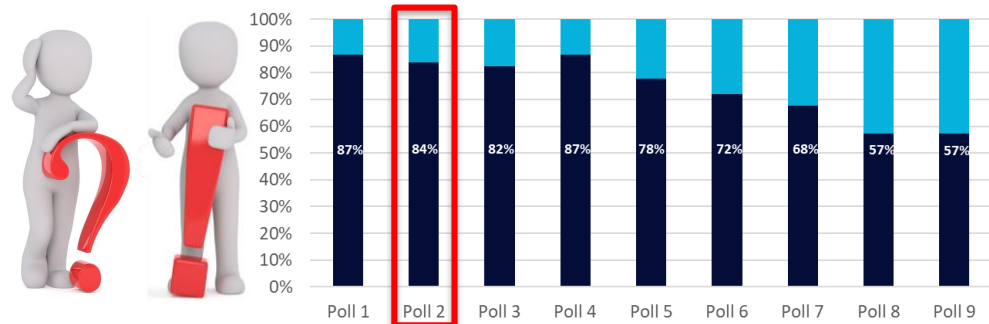
Shall we wait for EC/EU to regulate future eCall developments?

- a. Yes
- b. No

Poll 2 – Responses

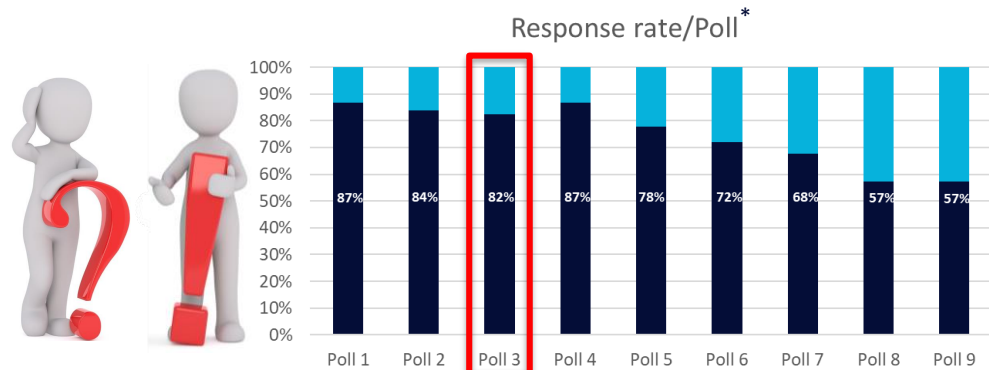
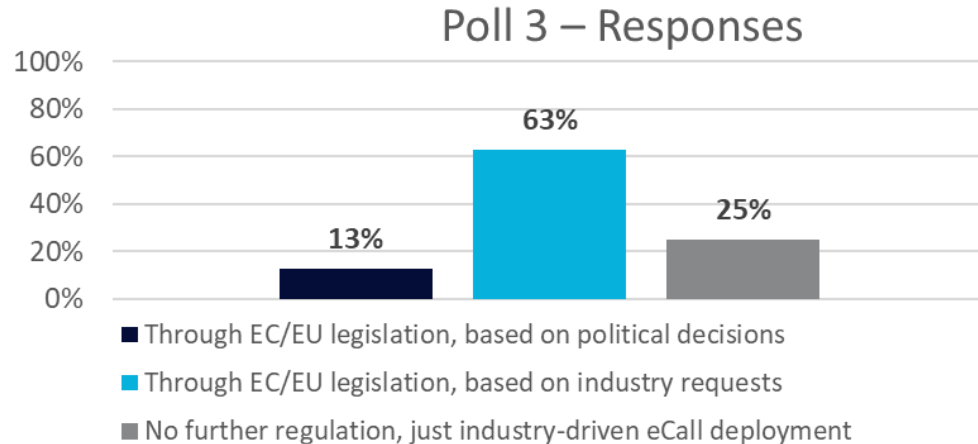


Response rate/Poll*



How should eCall regulation should work in future?

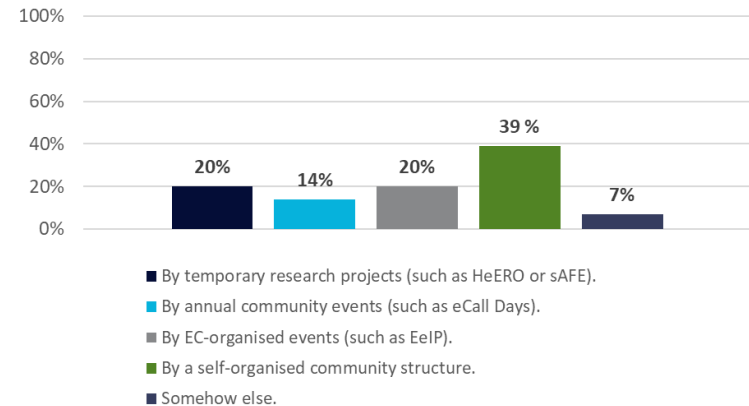
- a. Through EC/EU legislation, based on political decisions
- b. Through EC/EU legislation, based on industry requests
- c. No further regulation, just industry-driven eCall deployment



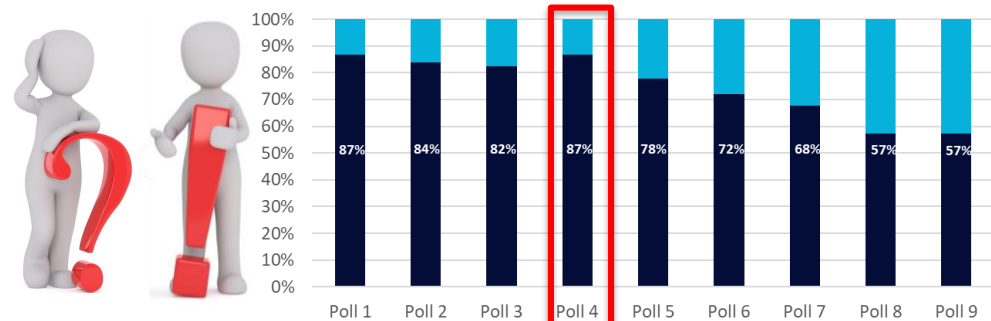
How shall the EC/EU receive eCall-relevant information?

- a. By temporary research projects (such as HeERO or sAFE).
- b. By annual community events (such as eCall Days).
- c. By EC-organised events (such as EeIP).
- d. By a self-organised community structure.
- e. Somehow else.

Poll 4 – Responses



Response rate/Poll *



EeIP Meeting Brussels 25th November 2019

The Chair welcomed the willingness of stakeholders to work together on eCall implementation, and underlined the necessity to be inclusive and to organise the relationship with the EeIP and the Commission services.

Support at the meeting was expressed by:

- GLONASS (observer) who expressed interest in participating in this association.
- Finland supported the association, and stressed the need to find common solutions for interoperability with neighbouring countries like Russia.
- Austria will convey the idea to its Ministry of Interior and provide feedback.
- Spain will attend the workshop and confirmed that many questions related to implementation would benefit from such a forum.
- France supported the idea.

Questions or remarks?

Please use your question box to add questions or remarks.
The organiser then unmutes you for discussion.



I. Welcome Note

II. Status Quo

III. Open challenges (Bob Williams)

- Technical challenges of the existing pan European eCall
- Organisational challenges within the eCall development/deployment
- What is missing?

IV. Self-organised eCall Association

V. Next steps



Open challenges

Bob Williams – Convenor CEN TC278

Contact Person:

Bob Williams

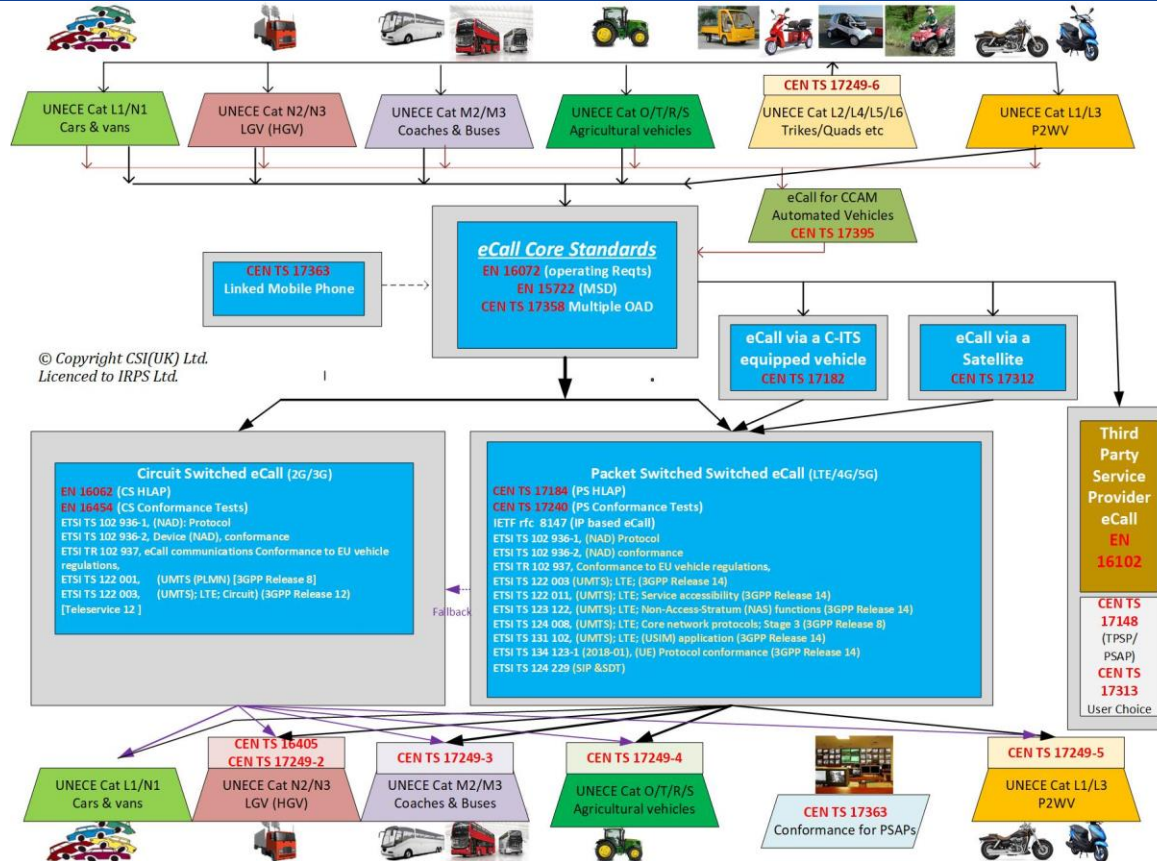
bw_csi@fastmail.fm



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- SIM numbering using international numbers:
 - Call-back costs
 - Number of digits in phone number
- End of life issues
 - Decommissioning SIM before destruction
- False calls
 - OEM installed
 - Aftermarket
- Lack of reliability of some IVS
- Roaming issues
- Last 3 locations of the vehicle are needed to get a reliable information on its direction
- Switching-off of 2G/3G networks

Technical challenges of the existing pan-European eCall



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- New (versions of) standards become mandatory only when they become part of EU legislation
- PSAPs under no requirement to support the new standards
- Making aftermarket eCall work
- Large amount of testing eCalls from manufacturers – lack of operating procedures for testing
- adequate transition periods to Packet switched eCall
- Rollout to packet switched eCall
- PSAPs infrastructure readiness
- Upgrade current TS to EN

- The ability for the sector to meet together sort out problems as they are identified
- A forum to discuss issues
- A means to make coordinated approaches/have coordinated discussions with the EC, equipment providers, PSAPs, governments
- A quality assurance mark
- Information exchange
- Education and training
- The ability to agree progress without having to wait for EU Regulations
- Mutual assistance
- Identification of gaps and shortfalls in standards, with the means to address them
- Means to review performance of new standards

Questions or remarks?

Please use your question box to add questions or remarks.
The organiser then unmutes you for discussion.



I. Welcome note

II. Status Quo

III. Open challenges

IV. Self-organised eCall Association (Steve Schneider)

- Relevant stakeholders and interest groups in general
- Possible aims and tasks
- Possible organisational structure
- How could this association be funded

V. Next steps



Self-organised eCall Association

Steve Schneider – ITS mobility GmbH

Dissemination & Networking sAFE

Contact Person:

Steve Schneider

steve.schneider@its-mobility.de



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eCall – Future?

- What is about vehicle types produced before 1st April 2018
- What is about areas that are not covered by 2G/3G or 4G?
- What is about connected cars?
- What is about NG112 eCall?
- What is about interoperability eCall for HGV, Buses and Coaches?
- What is about interoperability eCall for Agricultural and Forestry Vehicles?
- Category L is a lot more than P2WV (Interoperability for ALL Category L vehicles)
- What is about Conformance and Performance measurement for PSAPs?
- What is about the challenges of aftermarket eCall?
- **What is with eCall after the project sAFE?**

Tasks within sAFE

- Identifying a suitable inclusive organisational structure and business model to coordinate and finance the necessary activities
- Establishing an eCall Implementers Association with fixed active members by all stakeholder groups (MS, PSAP, TPS, R&D, Supplier, etc.) and a road map for the next 5 years

Aim

- **Connecting relevant eCall stakeholders for future development and standardisation activities**

EC and Member States

- Development of superior aims and provisions
e. g. “Vision Zero” regarding fatalities and injuries in traffic accidents
- Definition of measures and policies
leading to EU regulation
- Enforcement of common procedures and standards
providing European-wide standards of living
- Ensure geopolitical importance of Europe

PSAPs and Emergency services as public service providers

- Concerned in daily work
- Ensure feasibility in practice
- Key role to activate the benefits of eCall
 - Define technical and organisational requirements
- Limited resources for eCall development activities
 - Time and manpower
 - Money



OEM incl. suppliers

- Key player to deploy eCall to the market
- Safety is one of the fundamental features of their products
- Legally required to implement the pan-European eCall
- Commercially driven progress in technological development
 - Reducing efforts for mandatory components (pan-European eCall)

MNO incl. suppliers

- Provider of a fundamentally required technical service (2G/3G)
- Supports the eCall deployment without legal constraint
- Commercially driven
 - Reducing efforts for mandatory services
- Driven by the public image regarding their network coverage

Third-party Service (TPS) Providers

- Can make the process more efficient (filtering false calls)
- Can play a key role for cross-boarder services
- Commercially driven
 - Increasing income for additional services
 - Reducing efforts for PSAP interfaces
- Ensure continuance of business models

Applied Research & Development Organisations

- Commercially or non-profit driven
- Ensure scientific and technological high-level quality

End user

- May be considered at a later stage to ensure public awareness and acceptance for effective and successful use of eCall devices
- Compliance with data privacy, safety and security

Did we miss someone?

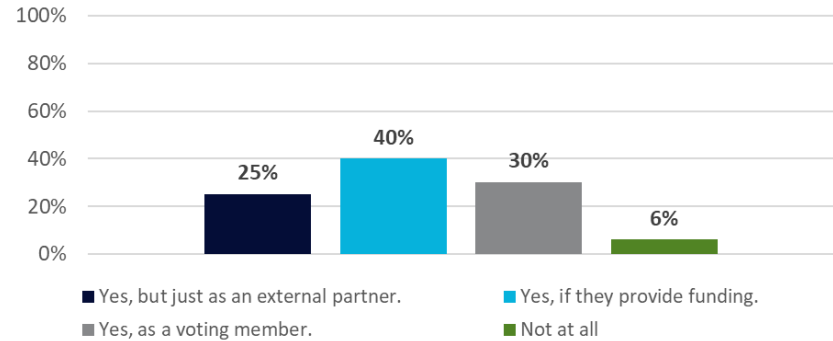
Please use your question box to name further stakeholders.



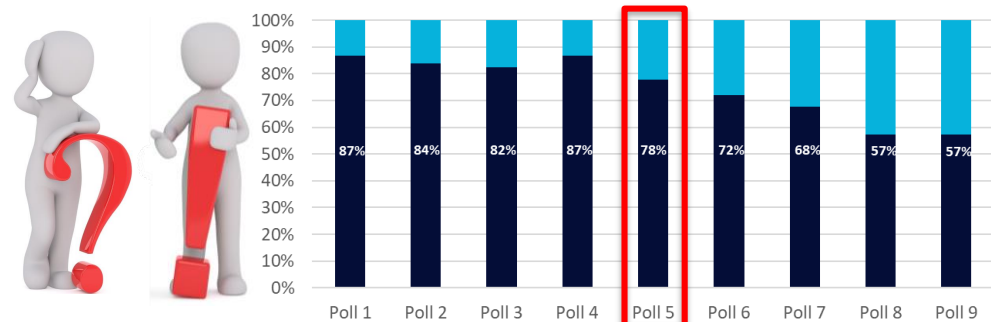
Shall the Member States/EC have a direct influence on an eCall Association?

- a. Yes, but just as an external partner.
- b. Yes, if they provide funding.
- c. Yes, as a voting member.
- d. Not at all.

Poll 5 – Responses



Response rate/Poll *



Possible Aims

- Connecting relevant eCall stakeholders for future development and standardisation activities
- Be an interest group for a continuous dialog to politics
- Further technical development
- Integration in future mobility

Shall an eCall Association develop an eCall brand/identity?

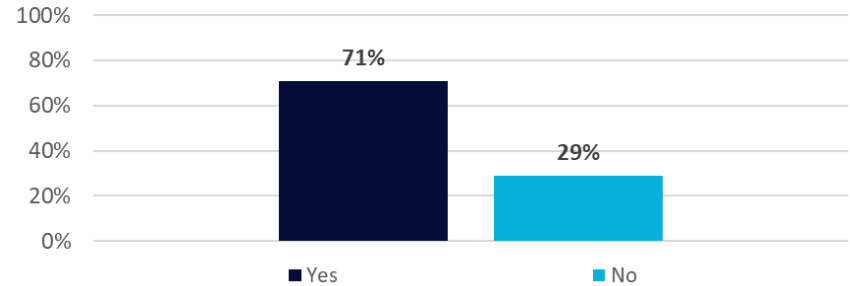
- a. Yes.
- b. No.



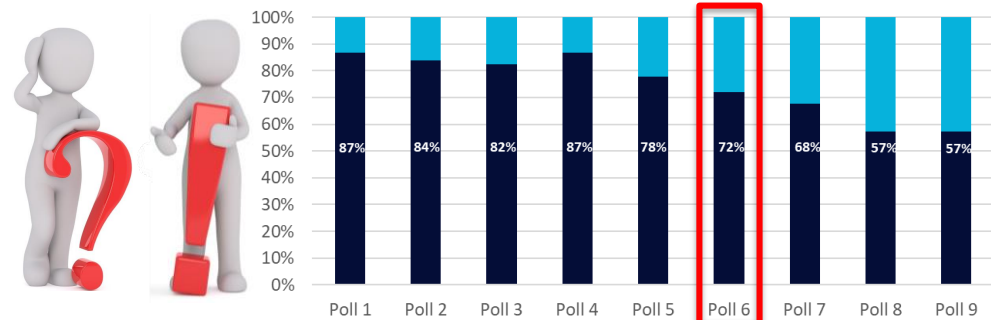
Shall an eCall Association develop an eCall brand/identity?

- a. Yes.
- b. No.

Poll 6 – Responses



Response rate/Poll *



Possible Tasks

- Contact point for external requests (EU/EC)
- Backoffice for data exchange and CRM
- Hosting of tools and services
- Manage and support workshops, conferences and working groups
- Handling dissemination activities (website, flyer, etc.)

Shall an eCall Association manage a budget for special R&D activities?

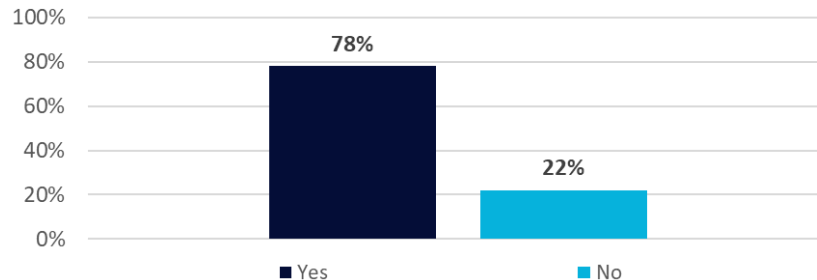
- a. Yes.
- b. No.



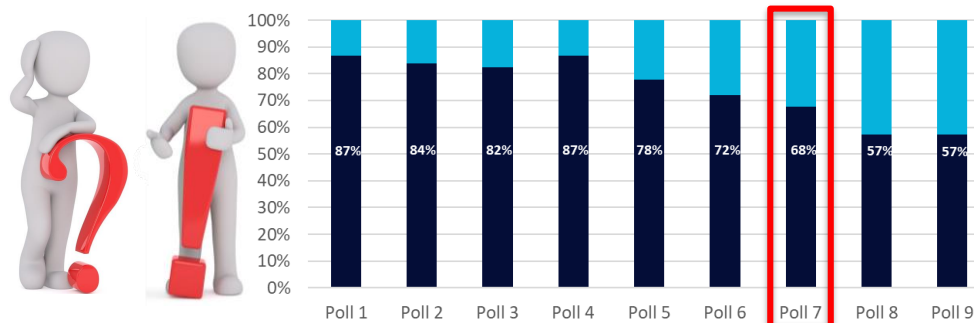
Shall an eCall Association manage a budget for special R&D activities?

- a. Yes.
- b. No.

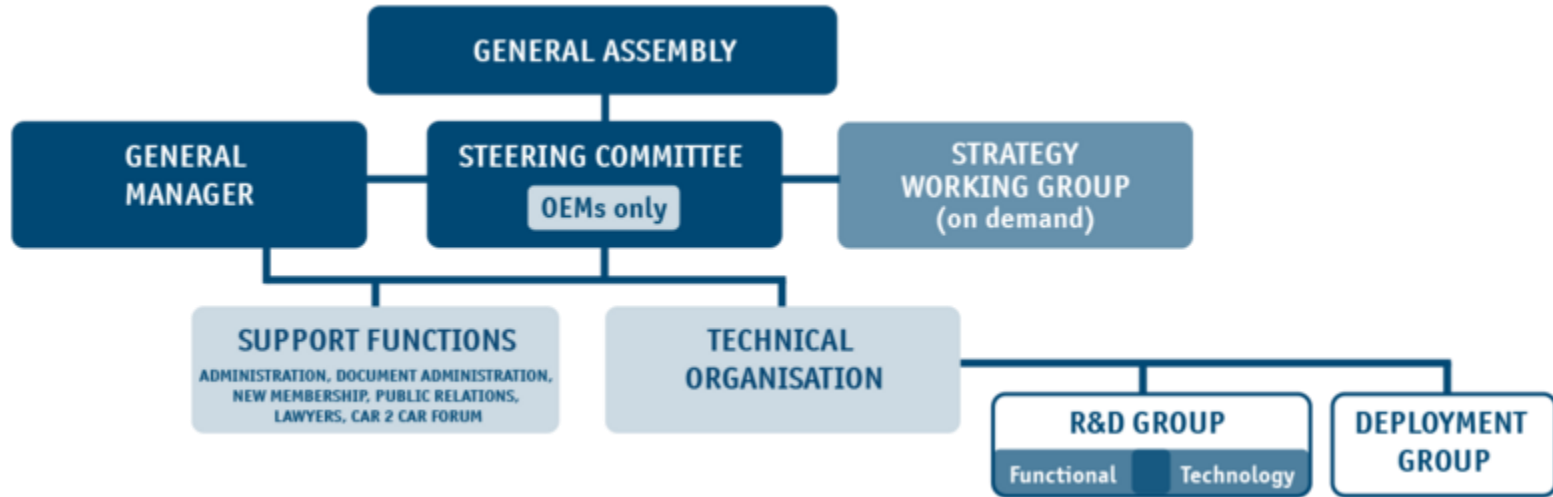
Poll 7 – Responses



Response rate/Poll *

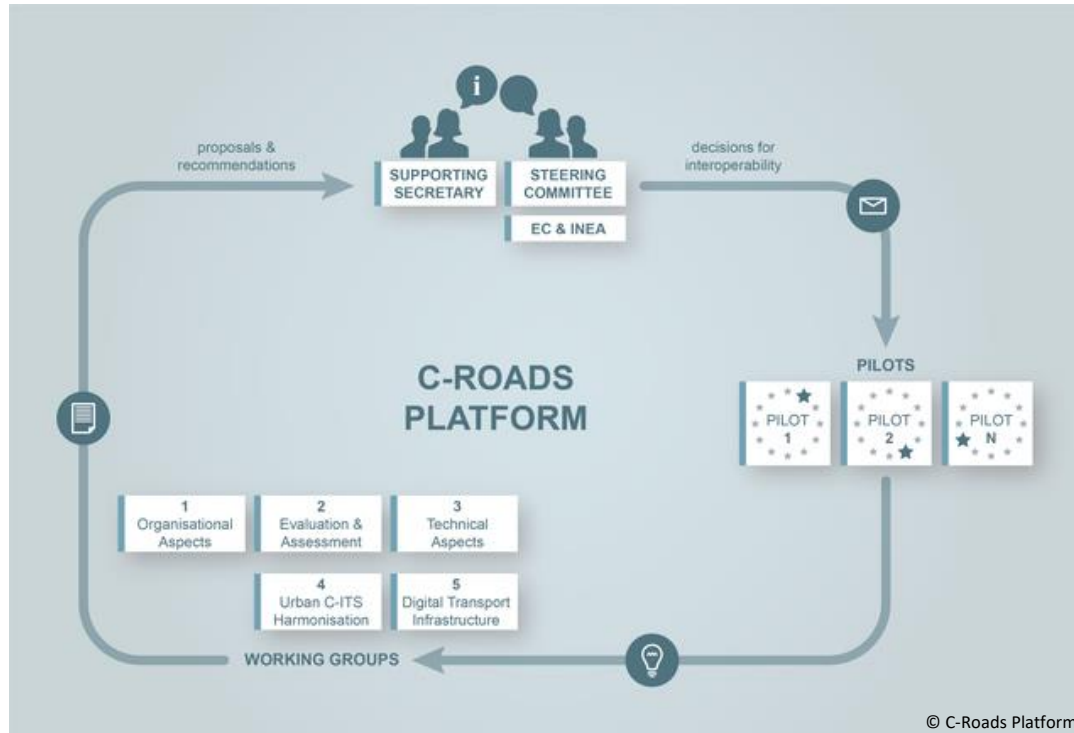


Structure of CAR 2 CAR Communication Consortium (C2C CC)



© CAR 2 CAR Communication Consortium

Structure of C-Roads Platform



© C-Roads Platform

CAR 2 CAR Communication Consortium

- Active Membership → Yearly financial contribution depending on company/organisation size + manpower contribution
 - Representation and voting right in General Assembly
 - Active contribution to WGs and Taskforces
 - Access to collaboration area and tooling incl. all working documents
 - Participation in CAR 2 CAR Weeks
 - Participation in CAR 2 CAR Forum (several persons)
- Basic Membership → 880 EUR + VAT per year
 - Participation in CAR 2 CAR Forum (one person)
 - Option to exhibit during CAR 2 CAR Forum (fee)
 - Networking with the C2C CC experts

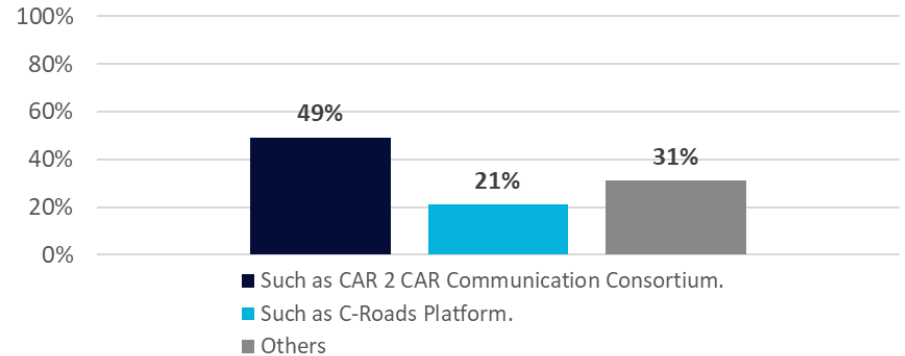
C-Roads Platform

- Core Members → 20-50 % CEF funding for direct costs during a limited time period
 - develop, share and publish common technical specifications
 - perform cross-site testing
 - develop system tests based on the common communication profiles
- Associated Members → No funding, Self-financing
 - linked to the C-Roads Platform
 - liaising with the different groups within the Platform
 - committing themselves to use C-Roads specifications in their implementations
- Central platform management → 50 % CEF funding for direct costs

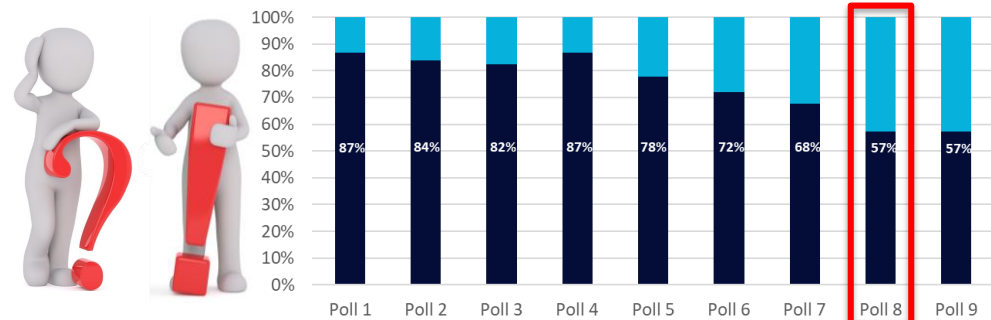
Which type of eCall Association do you prefer?

- a. Such as CAR 2 CAR Communication Consortium.
- b. Such as C-Roads Platform.
- c. Other.

Poll 8 – Responses

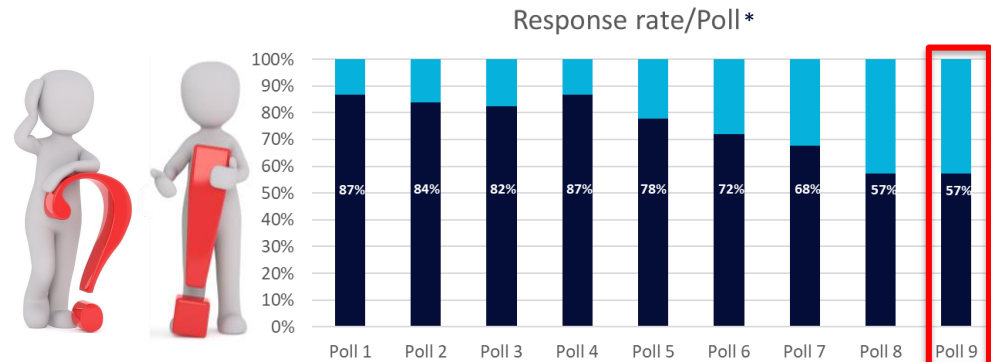
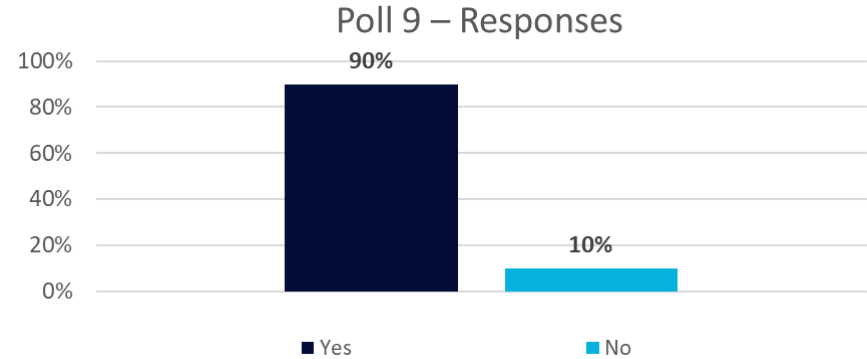


Response rate/Poll*



Would you like to be an active participant in an eCall Association?

- a. Yes.
- b. No.



- I. Welcome Note
- II. Status Quo
- III. Open challenges
- IV. Self-organised eCall Association
- V. Next steps (Andy Rooke)**



Next steps

Andy Rooke – Shadow Focus Ltd.

Technical Implementing Officer sAFE

Contact Person:

Andy Rooke
andy@shadowfocus.com



- Evaluate the results from the webinar and the polls
- Create a summary of the webinar with relevant statements
- Inform the EC about the results of the webinar
- Results of the webinar will be shown and further refined at physical meeting workshop II in Brussels on 5 May 2020

Save the Date – 1st Physical Meeting eCall Association on 5 May 2020 in Brussels

First physical meeting of the interested parties in the eCall Association. Further information will follow soon.

Location: Brussels Belgium
Venue: TBC
Date: 5th May 2020
Time: 10:30 to 15:30 CET

Further feedback?

Please use your question box for further feedback.
The organiser then unmutes you for discussion.





Thank you for your attention!

Next Workshop

5 May 2020 in Brussels

More information: <https://safe112.eu/>



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