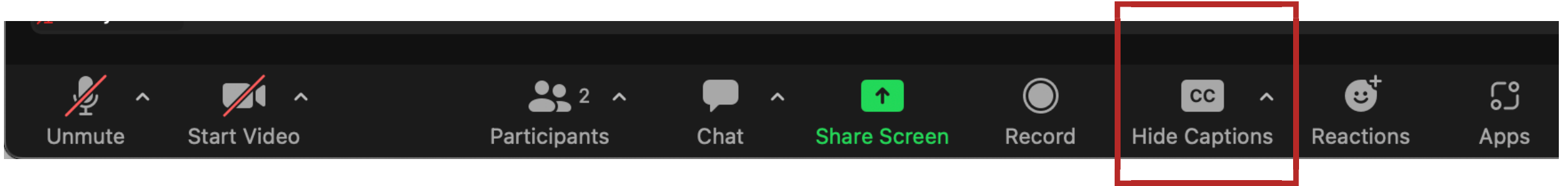


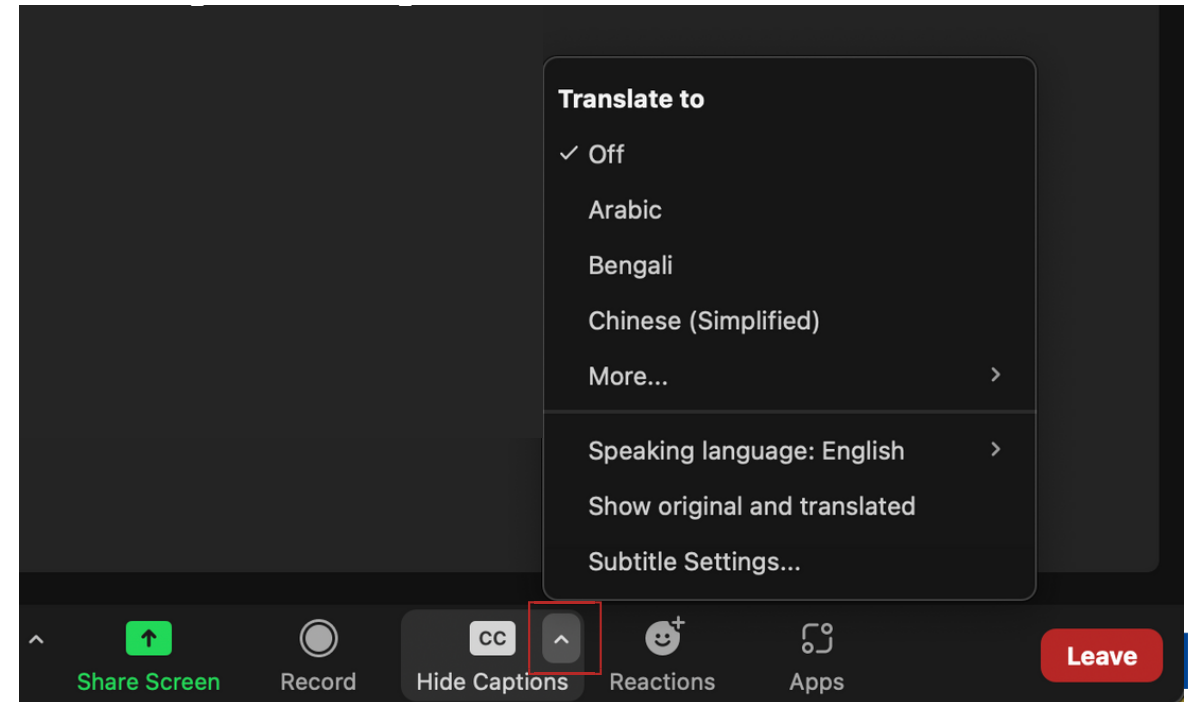
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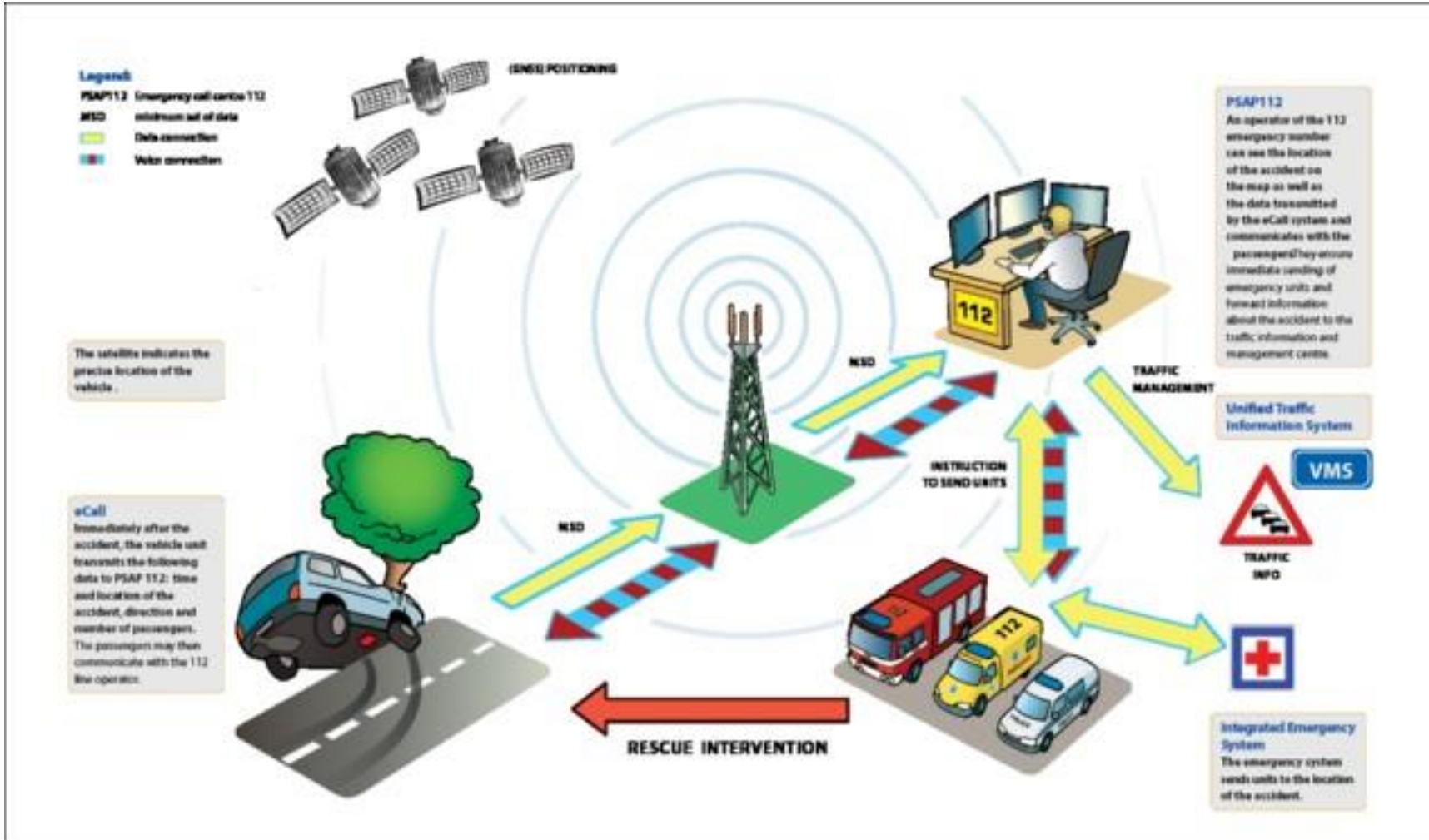
eCall – EU regulatory framework

Public safety answering points

EENA webinar

European Commission

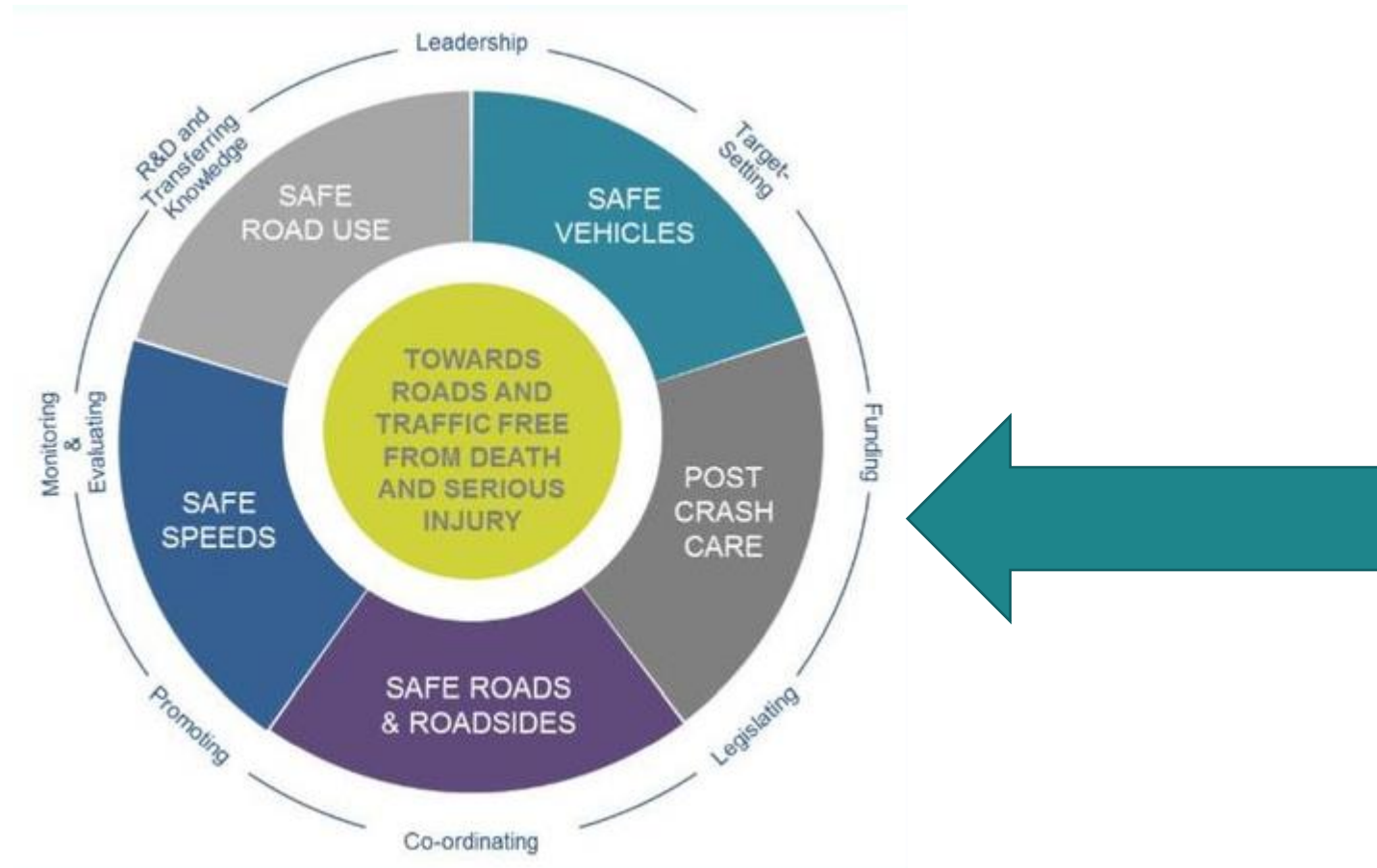
21 March 2024



[The interoperable EU-wide eCall - European Commission \(europa.eu\)](http://europa.eu)

Policy context and scope

- Road safety EU policy framework: “Safe System” Approach



Policy context and scope

- **ITS Directive**

[ITS Directive](#) 2010/40/EU - Article 3 – priority action

(d) the harmonised provision for an interoperable EU-wide eCall

-> [Commission Delegated Regulation \(EU\) No 305/2013](#)

Policy context and scope

- **Decision No 585/2014/EU on the deployment of eCall service**

- [Decision No 585/2014/EU](#)

- Member States shall deploy the eCall PSAP infrastructure required for the proper receipt and handling of all eCalls, if necessary purged of non-emergency calls, in accordance with the specifications laid down in Delegated Regulation (EU) No 305/2013, no later than 1 October 2017.
 - Member States shall ensure that eCalls can originate from anywhere in their territory, provided there is at least one public mobile wireless communications network available.

Policy context and scope

- **European Electronic Communications Code (Directive (EU) 2018/1972)**
 - Art 2(38): ‘emergency communication’ means communication by means of interpersonal communications services between an end-user and the PSAP with the goal to request and receive emergency relief from emergency services
 - Recital 285: Emergency communication can be triggered on behalf of a person by an in-vehicle emergency call or an eCall as defined in Regulation (EU) 2015/758.
- **Delegated Regulation (EU) 2023/444**
 - Art 7(2): Member States shall prepare and report to the Commission no later than on 5 December 2023 a roadmap for upgrading the national PSAP system in order to be able to receive, answer and process emergency communications through packet-switched technology.

Policy context and scope

- **Type-approval framework**

- [Regulation \(EU\) 2015/758](#) mandates all new models of passenger cars and vans to be equipped with eCall from 31 March 2018. Based on CEN standards and use of circuit-switched (2G/3G) electronic communications networks.
- [Implementing Regulation \(EU\) 2017/78](#): establishes administrative provisions for the approval of new types of vehicles

and [Delegated Regulation \(EU\) 2017/79](#): establishes detailed technical requirements and test procedures for the EC type-approval

Policy context and scope

- **Smart and sustainable mobility strategy (December 2020)**

Ensure that the EU transport sector is fit for a clean, digital and modern economy.

Action 75

- **Adapt the eCall legal framework to new telecommunication technologies;** consider the extension of eCall to powered two wheelers, trucks, buses and agricultural tractors

Plans to switch-off 2G and 3G in Member States between 2025 and 2030

=> need to adapt the eCall specifications to the newest packet switched communication networks (4G/5G)

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Update of Delegated Regulation (EU) No 305/2013

Principles

- Limited update:
 - New/updated standards
 - Updated references to legislation
- Amendments to articles
- Only new recitals

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Updated standards – Core standards updates

- Minimum Set of Data standard EN 15722:**2020**: *two most recent locations (before the incident location) become mandatory + the field 'vehicleCategory' supports now all currently defined categories.*
- Operating requirements standard EN 16072:**2022** + subsequent versions if applicable in the type approval: *some errors corrections + moved CS-specific parts to EN 16062*

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Updated standards – Circuit-switched standards updates

- HLAP EN 16062:**2023** - *update for consistency with EN 16072:2022*
- End to end conformance testing EN 16454:**2023** - *update for consistency as long as there are circuit-switched communications networks in operation on their territory*

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

New standards – Packet-switched standards

- HLAP **CEN/TS 17184:2022** + subsequent versions if applicable in the type-approval Regulation
- End to end conformance testing **CEN/TS 17240:2018** + subsequent versions if applicable in the type-approval Regulation

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Updated references to legislation

- **GDPR**

- Update references in Article 6 (privacy and data protection) and 7 (liability): *in particular for the retention period: “both the raw MSD received with the eCall and the MSD contents presented to the eCall operator shall be retained for a determined period of time, in accordance with national regulations or, in the absence of national regulations, for no longer than 10 years”*
- Related recitals + recital explaining why the 3 vehicle locations are needed (version 2020 of EN 15722)

- **EECC**

- Update of five data definitions + related recitals

- **Decision eCall PSAPs (No 585/2014/EU)**

- Update of Article 5 to reflect the obligation to deploy the infrastructure.

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Reporting

Member States shall **report** to the Commission **by 1 April 2026** on the state of implementation of this Regulation. The report shall include at least the list of competent authorities for assessing the conformity of the operations of the eCall PSAPs, the list and geographical coverage of the eCall PSAPs, the description of the conformance tests and the description of the privacy and data protection protocols.

Adaptation of the eCall legal framework to new telecommunication technologies - PSAPs

Amendment of Delegated Regulation (EU) No 305/2013

adopted on 6 February 2024:

As from 1st January 2026, PSAPs shall be able to receive and handle packet-switched eCalls, while keeping the ability to receive and handle circuit-switched eCalls as long as there are circuit-switched public mobile wireless communications networks in operation on the territory of the Member States.

Next steps:

- 2 (+2) months for the European Parliament and the Council right to object.
- Publication in the OJEU.
- Entry to force on the twentieth day following that of its publication.

Adaptation of the eCall legal framework to new telecommunication technologies - Vehicles

Update of Vehicle Type Approval Legislation

Regulation (EU) 2015/758

- Approval requirements (vehicle/ system) based on European standards listed in **Art. 5(8) of the Regulation** – *currently only related to 2G/3G networks*
- 2G/3G networks switch-off ongoing in the EU and expected to be completed by 2030
- The legacy fleet issue is growing critically – *approximately **40 million vehicles** (both cars and vans) by end 2023 and **increasing by around 10 million each year.***
- OEMs should stop selling vehicles with ‘old’ eCall systems and switch to 4G/5G chipsets to ensure effective transition.

Adaptation of the eCall legal framework to new telecommunication technologies - Vehicles

Circuit-switched standards updates

- EN 15722:**2015** “Intelligent transport systems — eSafety — eCall minimum set of data (MSD) -> EN 15722:**2020**
- EN 16072:**2015** “Intelligent transport systems — eSafety — Pan-European eCall operating requirements” -> EN 16072:**2022**
- EN 16062:**2015** ‘Intelligent transport systems — eSafety — eCall High Level Application Requirements (HLAP) -> EN 16062:**2023**
- EN 16454:**2015** ‘Intelligent transport systems — eSafety — eCall end-to-end conformance testing’ -> EN 16454:**2023**

New versions apply from the entry into force of the Delegated Act

Adaptation of the eCall legal framework to new telecommunication technologies - Vehicles

New standards – Packet-switched standards

- PS HLAP **CEN/TS 17184:2022**
(prEN 17184: expected publication: Q2 2025)
- PS eCall end-to-end conformance testing **CEN/TS 17240:2018**
prEN 17240: expected publication: Q2 2025

*To replace CS standards (EN 16062 (requirements) and EN 16454 (testing)) as of **1 January 2026** (aligned with PSAPs).*

Adaptation of the eCall legal framework to new telecommunication technologies - Vehicles

Amendment to Regulation (EU) 2015/758

adopted on 14 February 2024:

- **as from 1st January 2026**, new vehicle models equipped with eCall in-vehicle systems must comply with PS eCall standards (*possibility to start the approval process already in 2025*);
- **as from 1st January 2027**, newly produced vehicles under 'old' eCall approvals must comply with PS eCall standards (*big challenge to the industry*).

Next steps:

- 2 (+2) months for the European Parliament and the Council right to object.
- Publication in the OJEU.
- Entry to force on the twentieth day following that of its publication.

Ongoing **revision of Delegated Regulation (EU) 2017/79** – *simplified procedure for 'conversion' of existing eCall approvals.*

More information

Directorate-General for Mobility and Transport:

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

ITS Action Plan and Directive

https://transport.ec.europa.eu/transport-themes/intelligent-transport-systems/road/action-plan-and-directive_en

Sustainable & Smart Mobility Strategy

https://transport.ec.europa.eu/transport-themes/mobility-strategy_en



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Coming up...

- **9 April**, PSAP Innovation Series: Episode 2 – Protection & Rescue Zurich

...and more!