

Questionnaire eCall/eCall-Flag

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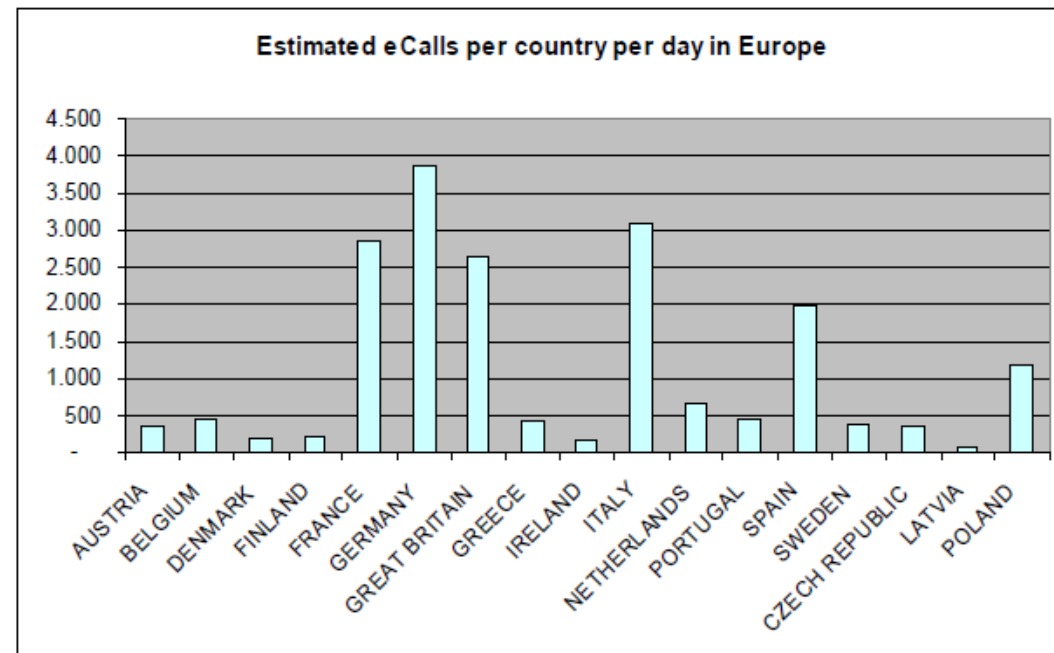
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Definition eCall

- **eCall:** A manually or automatically initiated emergency call, (TS12) from a vehicle, supplemented with a minimum set of emergency related data (MSD), as defined under the EU Commission's eSafety initiative.

Source: 3GPP TS 22.101 V10.7.0 (2011-09))



Source(Emilio Gonzalez, EK, 2009



eCall-flag – 2 bits of the “emergency category”

Table 9.62/3GPP TS 24.008: EMERGENCY SETUP message content

IEI	Information element	Type/Reference	Presence	Format	Length
	Call control protocol discriminator	Protocol discriminator 10.2	M	V	1/2
	Transaction identifier	Transaction identifier 10.3.2	M	V	1/2
	Emergency setup message type	Message type 10.4	M	V	1
04	Bearer capability	Bearer capability 10.5.4.5	O	TLV	3-11
2D	Stream Identifier	Stream Identifier 10.5.4.28	O	TLV	3
40	Supported Codecs	Supported Codec List 10.5.4.32	O	TLV	5-n
2E	Emergency category	Service category 10.5.4.33	O	TLV	3

■ Emergency category:

- This information element shall be included if the emergency category is available from the SIM/USIM or the mobile station.
- If this information element is included, it shall indicate the selected emergency call category.
- If the element is not included, the network shall by default assume a non-specific emergency call.



eCall-flag – manual/automatical “eCall”

- Auszug aus 3GPP TS24.008 Rel. 8+:

Table 10.5.135d/3GPP TS 24.008: Service Category information element

Emergency Service Category Value (octet 3)	
The meaning of the Emergency Category Value is derived from the following settings (see 3GPP TS 22.101 [8] clause 10):	
Bit 1	Police
Bit 2	Ambulance
Bit 3	Fire Brigade
Bit 4	Marine Guard
Bit 5	Mountain Rescue
Bit 6	manually initiated eCall
Bit 7	automatically initiated eCall
Bit 8	is spare and set to "0"

Mobile station may set one or more bits to "1"
If more than one bit is set to "1", routing to a combined Emergency centre (e.g. ambulance and fire brigade in Japan) is required. If the MSC can not match the received service category to any of the emergency centres, it shall route the call to an operator defined default emergency centre.

If no bit is set to "1", the MSC shall route the Emergency call to an operator defined default emergency centre.
A mobile station initiating an eCall shall set either bit 6 or bit 7 to "1". The network may use the information indicated in bit 6 and bit 7 to route the manually or automatically initiated eCall to an operator defined emergency call centre.

Eg.: $67_{10} = 0100\ 0011_2 = \text{Police} + \text{Ambulance}; \text{automatically initiated eCall}$



Questionnaire by EC

- Regarding MNOs:

(9)	How many of them have started implementing the eCall flag? Please provide number: <input type="text"/> Please provide names: <input type="text"/> Comments: <input type="text"/>
(10)	As a result, can pre-deployment test with the eCall flag be carried out in your country? <input type="checkbox"/> YES <input type="checkbox"/> NO Comments: <input type="text"/>
(11)	What is the implementation date for those MNOs that have not yet implemented the eCall flag? MNO1: <input type="text"/> Foreseen Implementation date: <input type="text"/> Comments: <input type="text"/>
(12)	Is there any MNO operating in your country refusing to implement the eCall flag? <input type="checkbox"/> YES <input type="checkbox"/> NO If YES, why?: <input type="text"/>
(13)	Is there any MNO operating in your country refusing to handle eCalls? <input type="checkbox"/> YES <input type="checkbox"/> NO If YES, why?: <input type="text"/>
(14)	As a result, what percentage of the Mobile Network is expected to have the eCall flag implemented on 31 December 2014? Please provide %: <input type="text"/> Comments: <input type="text"/>