



Galileo and EGNOS Applications

Pieter De Smet, European Commission
ICG Conference, Dubai, 10 November, 2013





Installed base dominated by leisure GNSS devices, general navigation and SAR leading in regulated



Maritime segment

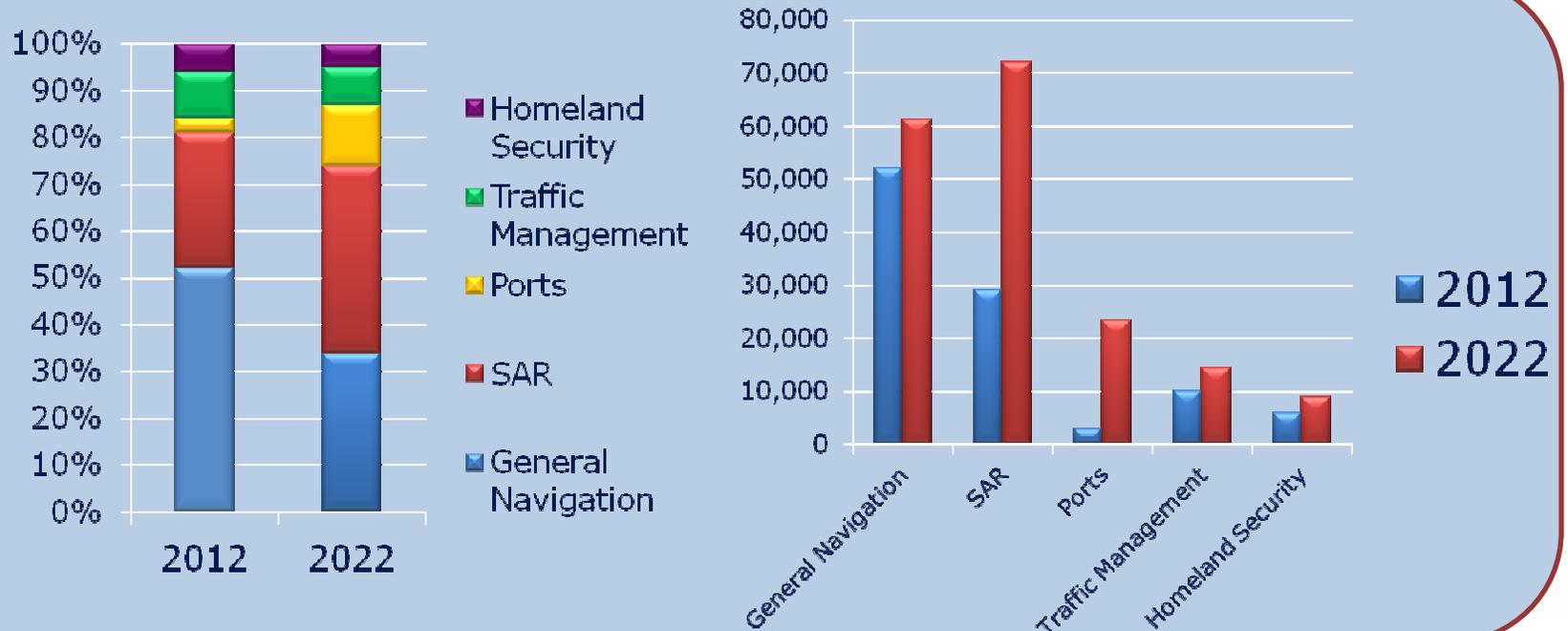


Regulated¹

c.a. 100.000 vessels (merchant, fishing and passengers)

Unregulated / Leisure

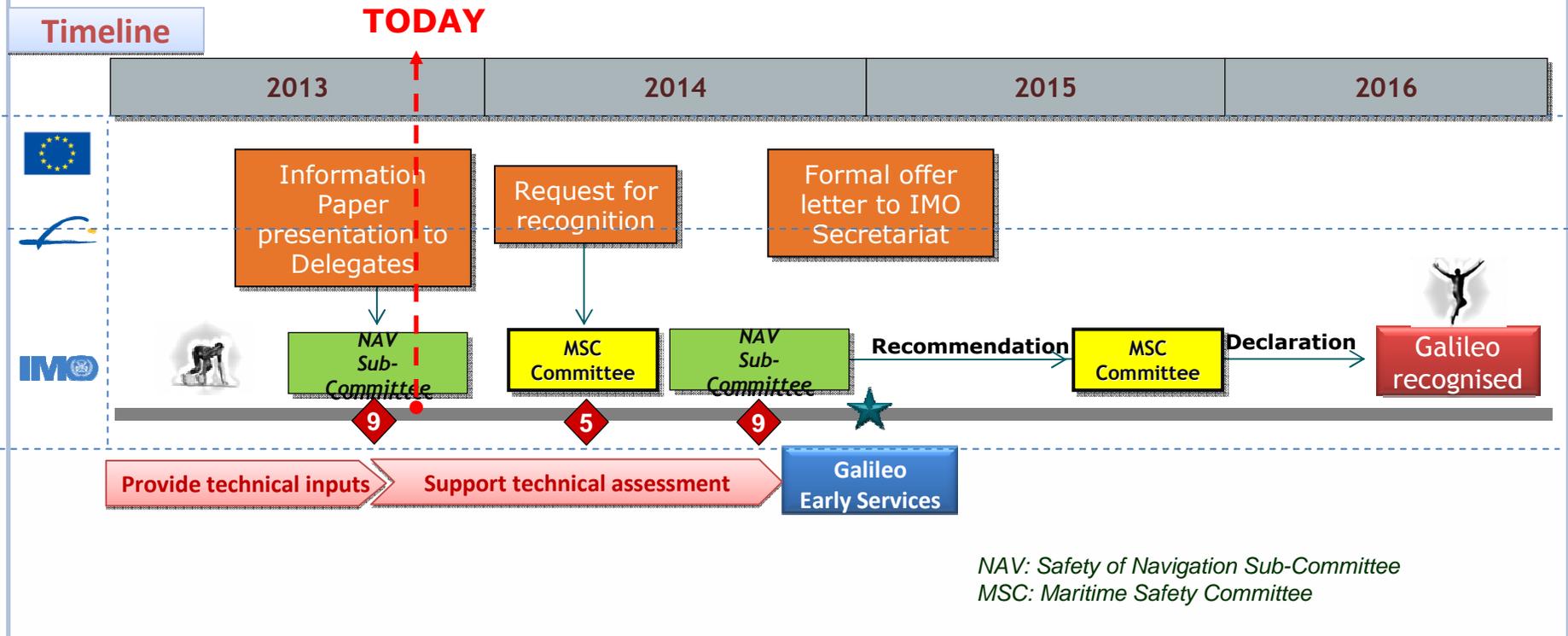
c.a. 6M vessels (Europe)



¹ IMO SOLAS Convention – International Maritime Organisation – Safety of life at sea

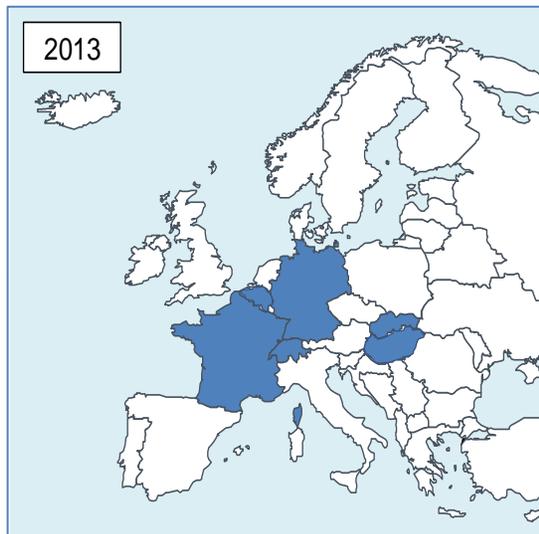


Objective: Galileo recognition as a World Wide Radio Navigation System





EGNOS is increasingly used for free-flow Road Tolling



2011:

✓ **Germany, Switzerland and Slovakia** started using GPS solutions for road tolling schemes

2012:

✓ **France** announced EGNOS implementation in the ECOTAXE tolling scheme

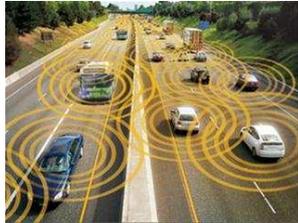
2013:

✓ **Belgium** announced a GNSS tolling scheme for trucks including EGNOS and Galileo

✓ **Hungary** launched a new GNSS based tolling scheme on 1st July (EGNOS enabled)



Intelligent Transport Systems (ITS)



- New **ITS applications** are foreseen - supported by positioning and connectivity embedded within the vehicle
 - ✓ Safety: Driver advisories and warnings
 - ✓ Infrastructure: Dynamic traffic management



- New **eCall regulation** in Europe for automatic emergency assistance is also expected to accelerate the business case for these new concepts

These developments drive
new requirements for vehicle positioning

