

Report Swedish pilot

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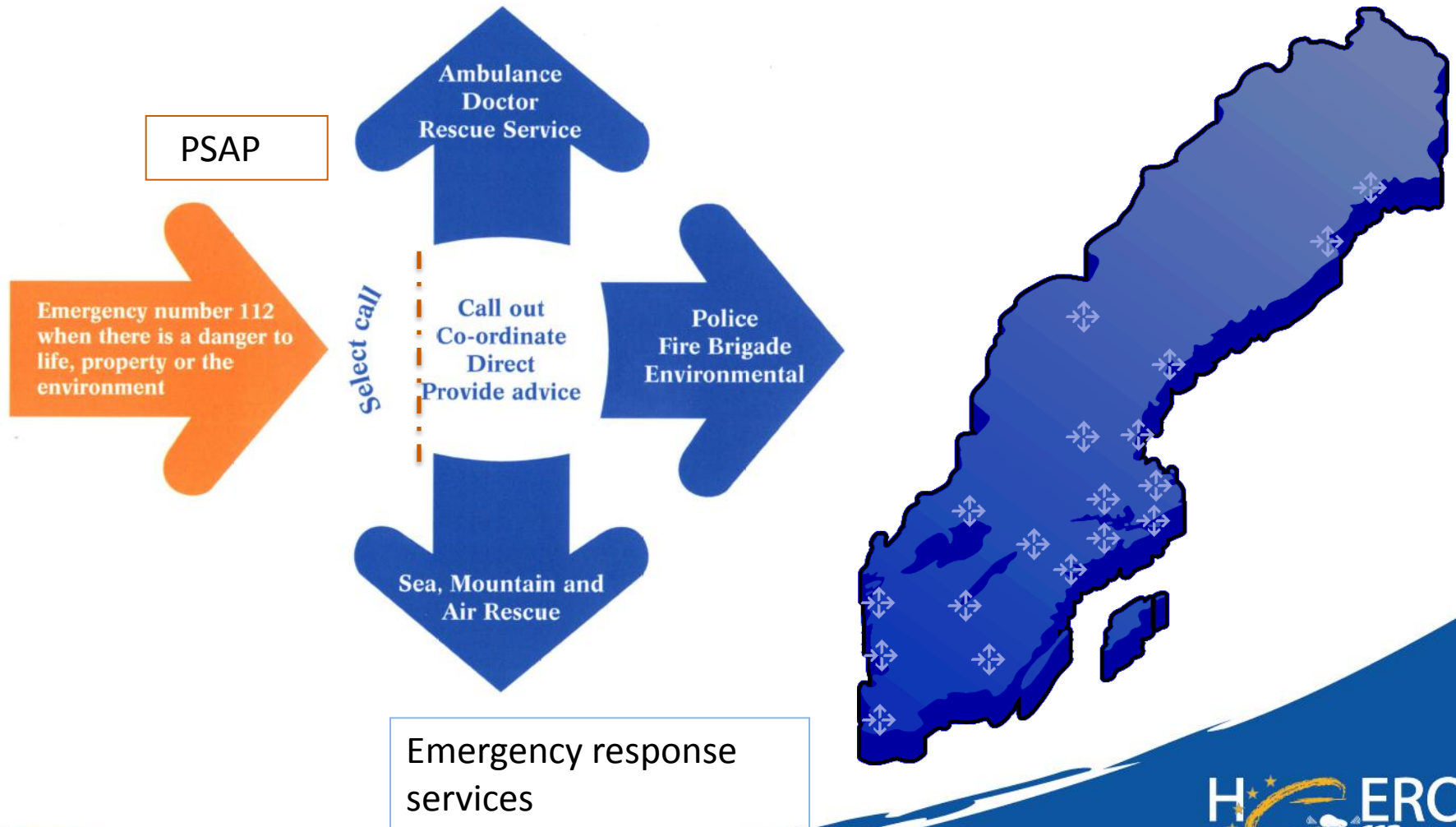
Project Manager Swedish Pilot



Summary

- Strategy for the e-Call Deployment in Sweden
- HeERO partners and associates in Sweden
- Conceptual description of the Swedish pilot
- Drive & lab test architecture
- Overview of the current testing activity
- Main result of the tests
- Main issues
- Future plans

Overview of Emergency Response operations in Sweden



Strategy for the e-Call Deployment in Sweden

To deploy eCall throughout Sweden the plan is to:

Build on existing 112 service and extend current standard operating procedures with handling of automatic and manual eCalls and Minimum Set of Data.

=> eCall is “just” an extension of existing E112

HeERO:S Partners & Associates

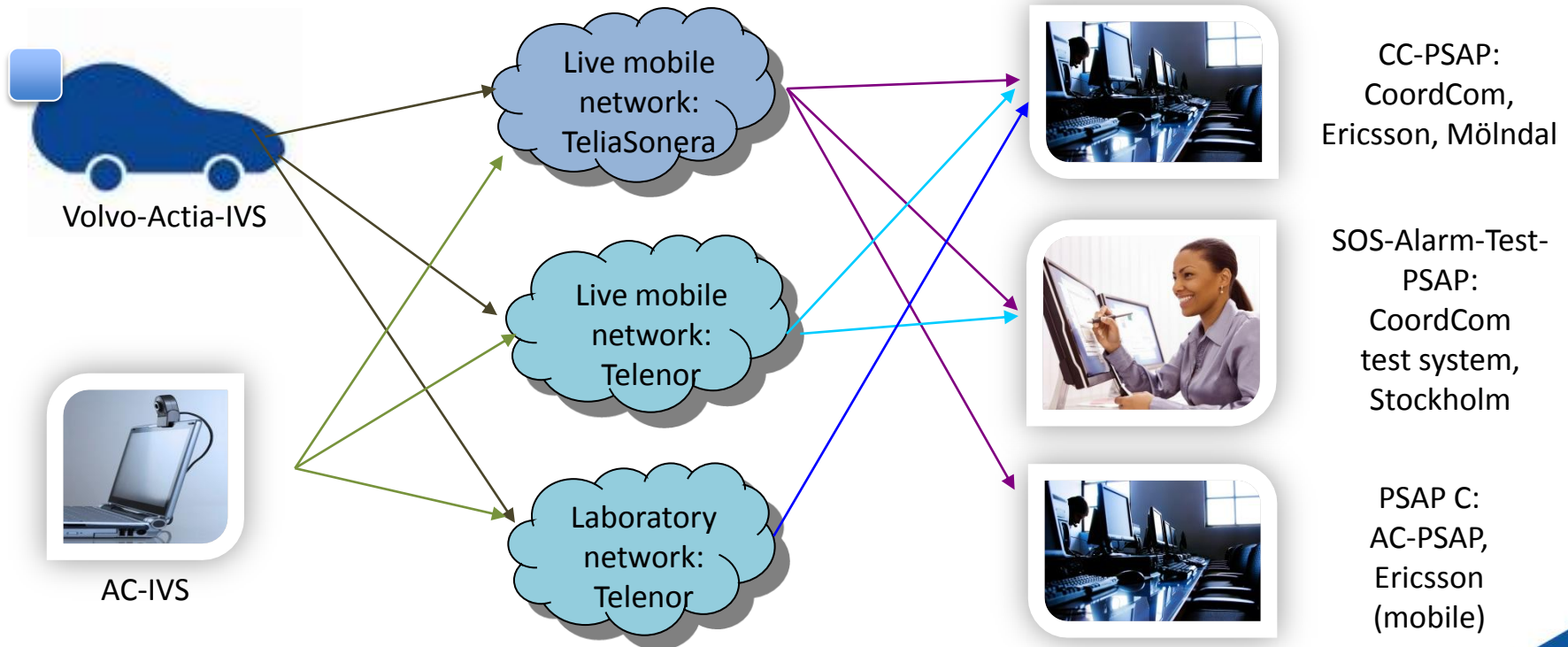


HeERO:S test site description

IVS

PLMN

PSAP



- ✓ Tests in live environments
 - ✓ One car with IVSs equipped with regular SIM-cards
 - ✓ 2 live mobile networks – eCall flag - nationwide coverage
 - ✓ PSAP system: Non-operational Test-PSAPs, PSAP/SOS Alarm operators participate for subjective evaluation.
- ✓ Complemented with laboratory tests

Overview of the current situation

All planned KPIs captured, all planned functionality tests done, interoperability tests done, PSAP operator evaluation done, laboratory tests done



The drive tests are done with the following results:

- The drive covered a total of 2700 km – rural, urban, highway, with 1050 eCall attempts
- Overall success rate ranges in these Test Sessions from 100% down to 75%, depending on mobile coverage.
- Time from eCall-triggering to MSD-presentation at the PSAP= 8- 24 sec. (with registered IVS).

Operator		A	B	A	B	A	B
		Rural	Rural	Highway	Highway	Urban	Urban
KPI_001a	Number of automatically initiated eCalls	375	80	499	26	31	40
KPI_002a	Success rate of completed eCalls using 112	92,0%	73,8%	97,0%	88,5%	100%	97,5%
KPI_003	Success rate of received MSDs	97,5%	98,3%	98,8%	95,8%	100%	97,5%
KPI_004	Success rate of correct MSDs	100%	100%	100%	100%	100%	100%
KPI_005 (mean)	Duration until MSD is presented in PSAP	10,0s	11,3s	11,5s	10,4s	11,0s	10,5s
KPI_006	Success rate of established voice transmissions	97,3%	75,0%	98,2%	92,3%	100%	100%
KPI_007a (mean)	Duration of voice channel blocking	6,0s	7,9s	7,3s	7,1s	6,4s	7,1s
KPI_021	Number of successful call-backs	342	53	481	23	29	39
KPI_022	Success rate of call-backs	96,6%	88,3%	98,2%	95,8%	93,5%	97,5%

Main issues

- Start of next eCall deployment step need involvement from SOS Alarm and MSB (Swedish Civil Contingencies Agency)
- Some identified issues for eCall deployment:
 - PSAP/SOS Alarm: Operational questions to be handled: silent calls, noice, time delay between call in in-queue and voice call up and running, handling of multiple eCalls and E112 calls.
 - MNO consequences – only eCall flag?
- Conformance test specification – issues raised by industry partners
- TPS: consequences for OEM services?

Plans for the future

- In the preparation:
 - Welcoming other pilot sites for testing in Sweden + planning for activities with the pilot site from Finland
 - Activities outside of HeERO
 - Number series for SIM-cards – PTS
 - EUCARIS-VIN
 - ..
 - and more
- Dissemination
 - Planning for information to other involved actors in Sweden

Thank you for the attention!

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Questions ?