



Harmonised eCall European Pilot

Report HeERO-NL

HeERO International Conference

15th November 2012

Zagreb



Summary

- Strategy for the e-Call Deployment in the country
- Main stakeholders (Consortium)
- Test Site description
- Overview of the current testing activity
- Main result of the tests
- Main issues and proposed solutions/countermeasures
- Plans for the future
- Dissemination

Strategy for the e-Call Deployment in the country

- Emergency Chain
- eCall for Freight
- After Market

Project Consortium

Consortium: KLPD and Rijkswaterstaat

PSAP/Emergency services

- 112 center
- VRR-Emergency Room Rotterdam

Traffic Management

- RWS Rhoon Center
- Road operators (Bereik!)

Supporting and Derived services

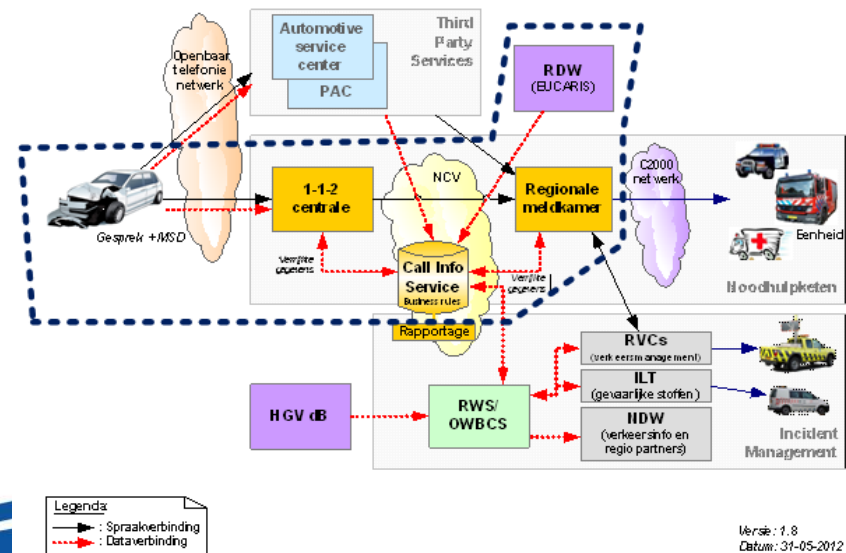
- RDW
- Transport inspection ILT

Suppliers, partners and consultancy:

KPN	Cheiron IT	Skymeter/INTENS	Vodafone	Van der Lee Transport
ESAM	CSI	Civitronic	KPN Mobile	Van den Anker Transport
Tenuki	Grontmij	Trimble	T-Mobile	Connekt
	Rhinesite	NXP	Telenor	CEN
	CEN	Actia		UN CTTDG
	OSS			NIFV

Test site description

- One vehicle with 4 IVS's (D-FACTS) + 7 separate IVS's
- PSAP Testsystem (CIS) for 112 and PSAP 2 (4 desks)
- 3 involved MNO's
- RDW Eucaris database
- road authority communication system (OWBCS)
- Traffic Centre interface (Xpose)
- HGV transport company and Fleet management system (Carcube)



Overview of the current situation

Overview:

- IVS: 3 types; Civitronic, Skymeter, S1nn
- MNO: KPN, Vodafone, T-Mobile, (no eCall Flag), Int'l SIMs: Telenor
- PSAP: 2 parts; national PSAP (112), regional PSAP
- TMC: Road authority communication system and TMC interface
- RDW: Eucaris test database
- HGV: Carcube connection with IVS

Tests:

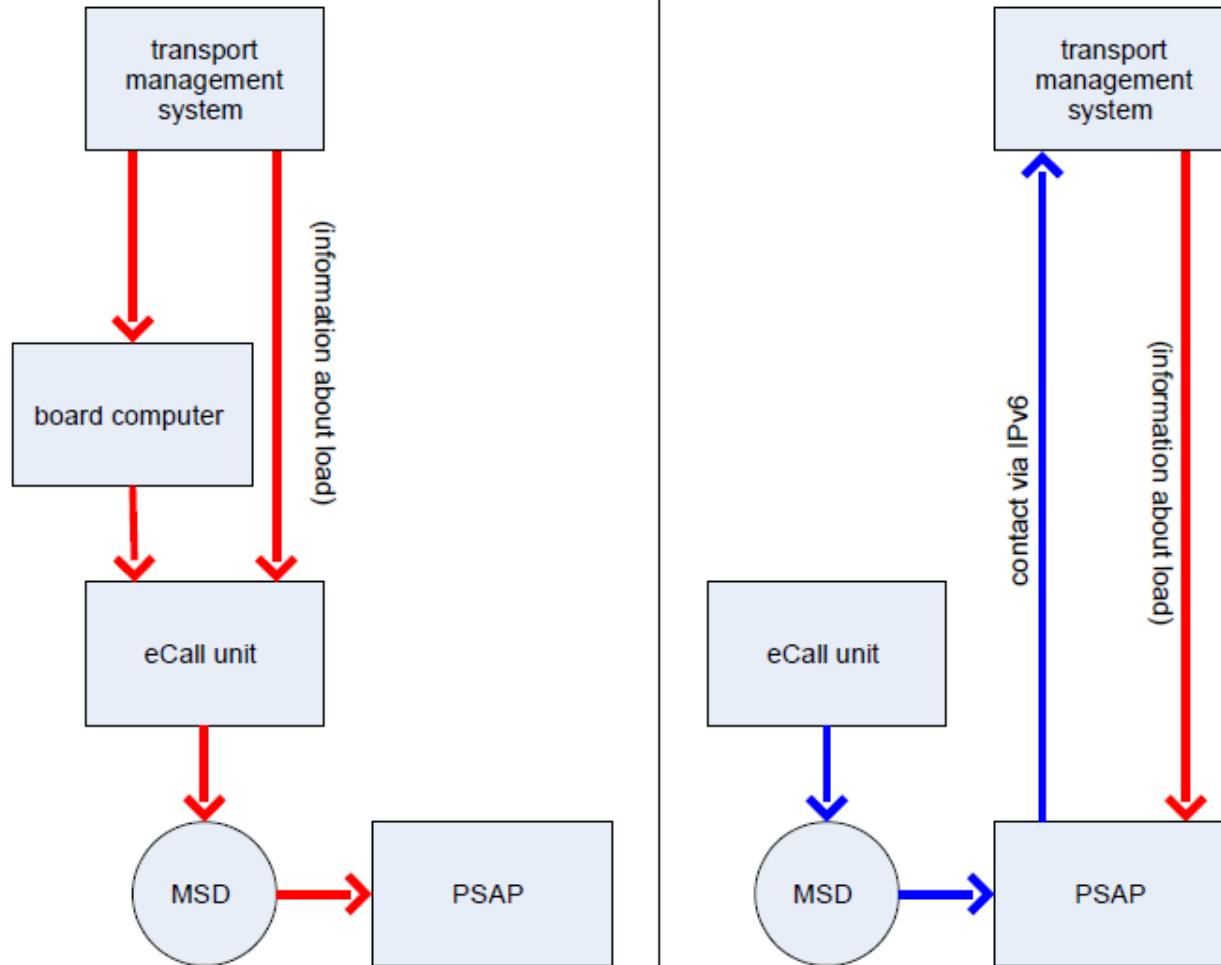
- Laboratory tests (for D2.4)
- Drive tests (5 days, 5378 calls)
- Scenario tests (one day)

Main outcomes of the tests

- Main outcome: see table

ID of test set:	Name of KPI	All IVSes	
		All MNOs	
		PSAP	
		Result	Unit
KPI_001a	Number of automatically initiated eCalls	1587	-
KPI_001b	Number of manually initiated eCalls	3791	-
KPI_002b	Success rate of completed eCalls using long number	71	%
KPI_003	Success rate of received MSDs	90	%
KPI_004	Success rate of correct MSDs	81	%
KPI_005	Duration until MSD is presented in PSAP	17	s
KPI_006	Success rate of established voice transmissions	89	%
KPI_007a	Duration of voice channel blocking	5	s
KPI_008	Time for call establishment	12	s
KPI_009	Accuracy of position	131	m
KPI_013	Success rate of heading information	73	%
KPI_019	Dispatch time of incident data to TMC	15	s
KPI_020	Success rate of presented incident data in TMC	81	%

Connecting 112/PSAP to the Freight domain



Main Issues

Issues:

- Standardization issues use of optional datafield (HGV experience)
- MNO cooperation in installing eCall flag,
- PSAP system (CIS); rework and extra work for final implementation
- Eucaris realtime database,
- Certification of IVS

Solutions/countermeasures:

- Optional datafield: proposal for WG15
- eCall Flag – problem for EU and Ministry of Interior
- PSAP Issue for the Ministry
- Solution provided by RDW
- Certification to be discussed

Public / User Acceptance

- Public Acceptance
Questionnaire Driver and PSAP/TMC
- User Acceptance
Acceptance test CIS and PSAP2 application

Plans for the future / Dissemination

- Plans for the future towards deployment
- Questionnaire Driver and PSAP/TMC
- Technical analysis wk 46,47
- Technical tests HGV wk 48
- New Drive tests wk 48, May 2013
- new scenario tests April 2013, CIS, HGV, PSAP operational system

Dissemination

- News letter for Emergency Centers and TMC
- News bulletin on Incident Management
- 6 december: eCall day for operators (112, TMC),
- 20 december: HGV presentation
- 2013 March 19th Fleet Management Congress

Thank for the attention

Questions ?