



WG₁₀ ACTIVITY REPORT

Report from last WG10 meetings

Technical and commercial proposals under evaluation:

- 1) Update ASANET to the new requirements
- 2) EGEA NET based on ASANET
- 3) EGEA NET based on vNext (new concept elaborated by Axonet)
- 4) EGEA NET based on VIMS (Vehicle Inspection Management System developed by ACTIA)
- 5) EGEA NET combining VIMS technology and ASANET data definitions

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1) Update ASANET to the new requirements

- Compatible with existing ASANET equipment and Dealers Management Systems
- Business model could be adapted to EGEA requirements, but ASANET logo, name and certification system would remain
- **Startup cost: € 37,000**
- **Maintenance cost: about €40,000 / year**

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2) EGEA NET based on ASANET

- As option 1), but IP is transferred to EGEA
- EGEA logo, name and certification system
- Compatible with existing ASANET equipment and Dealers Management Systems
- Additional €14k to change name and logo in SW and docu
- Additional €14k to set up EGEA certification system
- Additional €23k for legal consultation and EGEA advisory
- **Startup cost: € 88,000**
- **Maintenance cost: about €40,000 / year**

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3) EGEA NET based on vNext

- New concept proposed by Axonet, based on state of the art technologies (REST, JSON, Node.js)
- EGEA logo, name and certification system
- Not compatible with existing ASANET equipment and Dealers Management Systems
- **Startup cost: € 228,000**
- **Maintenance cost: about €40,000 / year**

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4) EGEA NET based on VIMS (Vehicle Inspection Management System)

- New concept proposed by ACTIA, using on an open XML format (OWX: Open Workshop eXchange) and Web Services
- EGEA logo, name and certification system
- Not compatible with existing ASANET equipment and Dealers Management Systems
- **Startup cost: € 220,000**
- **Maintenance cost: about €40,000 / year**

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5) EGEA NET combining VIMS and ASANET

- Suggested to leverage ASANET as much as possible, while creating a state-of-the art system open to new technologies (e.g. mobile apps)
- Not compatible with existing ASANET software, but data definitions are the same as in ASANET
- EGEA logo, name and certification system
- **Technical and economical evaluation not delivered yet**
- **Startup cost: unknown**
- **Maintenance cost: about €40,000 / year**

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Summary of options

START-UP COSTS	Option 1 Upgrade ASANET to new requirements	Option 2 EGEA NET based on ASANET	Option 3 EGEA NET based on vNext	Option 4 EGEA NET based on VIMS	Option 5 EGEA NET combining ASANET and VIMS
IP ownership	Asanetwork	EGEA	EGEA	EGEA	EGEA
Legal consultation		10'000 €	10'000 €	10'000 €	10'000 €
EGEA secretariat and advisory		12'600 €	12'600 €	12'600 €	12'600 €
External consultancies (IT, encryption, privacy)	3'000 €	3'000 €	3'000 €	3'000 €	3'000 €
WP1: Technical specifications for the “EGEA Net Communicator” and for the connected clients	4'000 €	8'000 €	44'000 €	40'000 €	40'000 €
WP2: Software development	12'000 €	16'000 €	108'000 €	140'000 €	??????
WP3: Conformance test documents and tools	16'000 €	20'000 €	28'000 €		28'000 €
WP4: Support package	2'000 €	4'000 €	8'000 €		8'000 €
WP5: Certification					
Logo creation		3'000 €	3'000 €	3'000 €	3'000 €
Database creation		1'000 €	1'000 €	1'000 €	1'000 €
Website adaptation		1'500 €	1'500 €	1'500 €	1'500 €
Registration of collective mark (EGEA Label)		1'500 €	1'500 €	1'500 €	1'500 €
Creation of leaflet and printing thereof		5'000 €	5'000 €	5'000 €	5'000 €
Creation of contract for use of EGEA Label		1'000 €	1'000 €	1'000 €	1'000 €
Setup internal process		1'000 €	1'000 €	1'000 €	1'000 €
Total start-up costs	37'000.00 €	87'600.00 €	227'600.00 €	219'600.00 €	??????

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Example outlook (Options 2 or 3)

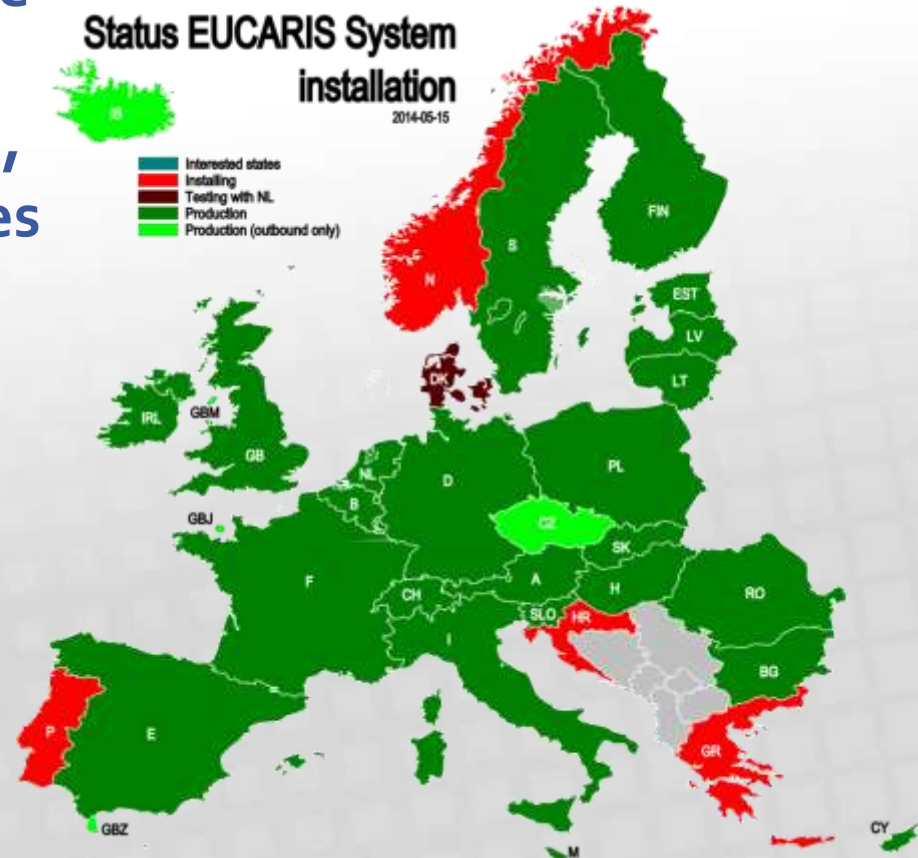
New certifications	2015	2016	2017	2018	2019	2020
- Test equipment		30	50	70	100	100
- Commercial SW		3	5	6	7	10
- PTI SW		3	5	6	7	10
Equipment certification fee (EGEA part, not including live costs)		€ 1'000	€ 1'000	€ 1'000	€ 1'000	€ 1'000
Commercial SW certification fee (EGEA part, not including live costs)		€ 5'000	€ 5'000	€ 5'000	€ 5'000	€ 5'000
PTI SW certification fee (EGEA part, not including live costs)		€ 10'000	€ 10'000	€ 10'000	€ 10'000	€ 10'000
Accumulated cost	€ 220'000	€ 260'000	€ 300'000	€ 340'000	€ 380'000	€ 420'000
Yearly revenue from certifications		€ 75'000	€ 125'000	€ 160'000	€ 205'000	€ 250'000
Accumulated revenue		€ 75'000	€ 200'000	€ 360'000	€ 565'000	€ 815'000
Balance	-€ 220'000	-€ 185'000	-€ 100'000	€ 20'000	€ 185'000	€ 395'000

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LIAISON with EUCARIS

(EUropean CAR and driving licence Information System)

- They are interested to collaborate with WG10 to exchange vehicle information (PTI results, mileage, vehicle data) between test centres and national authorities through their platform.
- Use of sTesta (the closed EU network)
- Compliant with EU requirements (security, authentication)



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LIAISON with CITA WG5 – Information Systems

- CITA WG5 is very interested to the EGEA WG10 activities and even willing to participate to the effort
- PTI organizations in particular are supporting
 - Applus from Spain
 - TÜV Rheinland from Germany and Spain
 - VEISA from Spain
 - RDW from Holland
 - Testek from Slovakia (but they have their own system in place)
 - SNCT from Luxemburg
- The EU Commission looks favourably to a standard network, as PTI centres will be required to submit electronically the PTI results by June 2021 and a common solution is preferred, especially in those countries that do not have an automatic transmission of PTI results in place
- A state-of-the art solution open to mobile technologies and new requirements is preferred
- CITA WG5 would like to know the requirements, timing plan and costs of the EGEA solution

Benefits of EGEA NET

- **Improved efficiency of PTI:**
 - less errors in data feeding
 - better service to customers, shorter time per customer for completion of PTI procedure
 - transparency and integrity of results (especially if combined with anti-tamper measures)
 - automation of data processing and storing allows for viable database of PTI results and repair history
- **Lower development costs to implement a single protocol for PTI (in countries where a different protocol is not mandated) and workshops**
- **Reliability and flexibility in combining equipment from different manufacturers,**
- **Easier entry into other markets (assuming the EGEA NET is used in EU and beyond)**
- **Common interface for connection to the VIP**

Benefits of EGEA NET using new technologies

- The new network technology allows an easier use of the network at new devices, for examples smartphones and tablets and whatever is coming up (smartwatches)
- The new technology allows new legal requirements (encryption, traceability, etc.) to be implemented more easily.

Benefits for EGEA

- The EGEA ownership would mean that many manufacturers are behind this network. The EGEA organization would gain visibility and respect and ultimately strengthen its position.
- A common network may be accepted also outside Europe and EGEA would gain visibility in those markets too.
- Possible source of future income for EGEA from sales of:
 - specifications of standard and communication protocols
 - rights to use the EGEA NET logo to promote software and equipment
 - testing/verification services (per certificate/device)

WG10 – Next steps

- Prepare business plan; review and approval by the EGEA board.
- Circulation to the EGEA members for funding.
- Identification of responsibilities and legal implication of the usage of the EGEA name and logo in the certification of clients and network implementations; submit to EGEA board for approval
- Continue collaboration with EUCARIS, define interfaces and data, start pilot project.
- Liaise with CITA WG1 and WG5 for a coordinated approach to equipment connectivity and PTI of ECSS.
- Follow up with UNISYS and the EU Commission on the VIP development.

WG10 – Issues

- Still no agreement on the solution
- Many companies would benefit from an European standard network, but few are willing to invest upfront
 - Possible solution: companies investing get credits on certification costs
- Difficult to raise funding in countries already having a PTI network that will not be replaced in the short term (e.g. Italy, France)