![EGEA - EUROPEAN GARAGE EQUIPMENT ASSOCIATION]

MEETING NOTES
EGEA Working Group 10
Creation of a European Vehicle Test Equipment Network

3rd December 2014 (9h00 – 16h00)

EGEA Offices (c/o FIGIEFA)

Boulevard de la Woluwe, 42
BE – 1200 Brussels

Participants:

AICA/Bosch	Marco Le Brun
ASA/ASA-network	Peter Rehberg
AFIBA/Vteq	Ivan Campos
ASA/Bosch	Ramon Amirpour
AVL DiTest	Martin Kammerhofer
GIEG/Capelec	Georges Petelet
GIEG/Actia	Tony Malaterre
STM/Automex	Rafal Grzeszczyk
EGEA	Michel Vervekken
EGEA	Laurence Eeckhout

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1. **Opening and welcome**
   1.1. Election of a minute taker

   Tony MALATERRE was elected to take the meeting minutes.

   1.2. Approval of the agenda

   The agenda was confirmed with the following changes: deletion of item n°5; due to the small number of persons, it was agreed to not split the group to work on different subjects.

2. **Approval of the minutes of the last Working Group 10 meeting held on 30th September in Brussels**

   With no further remarks, the minutes of the last WG10 meeting held on 30th September 2014 in Brussels were unanimously approved.

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3. WG10's report to the EGEA general assembly of Oct.23rd

    3.1. Report of WG10 EGEA GA 23 10 2014 - WG10 report.pdf

The slides dedicated to WG10 were reviewed during the meeting.
The next EGEA Board is the 23rd March 2015 in Poland, and next General Assembly the 24th of March 2015.

From a general point of view, we have two solutions:
- A rebranded solution about 50k€
- A new one about 250 k€

A combined solution (Asanet/VIMS) seems not to be possible, and will no longer be taken into account.

Feedback is that in Germany, several PTI organizations and FSD are using ASANet, and DMS SW companies do not want to change.
From a PTI perspective, countries do not want to change their existing solution.
In ASA, the big companies are ready to change but not the small ones.
In Italy, it is quite the same situation due to the delay of MCTCNet-2.

From a general point of view:
- One single solution is desired
- There is a clear interest on what WG10 is doing
- Gieg is not comfortable to depend on a single company. It was remembered that the solution is first a specification, but single software was the best to avoid trouble in the field. But this software should be available as open-source.
- It may be an issue if EGEA runs the EGEA NET as a business, as EGEA is a non-profit organization.
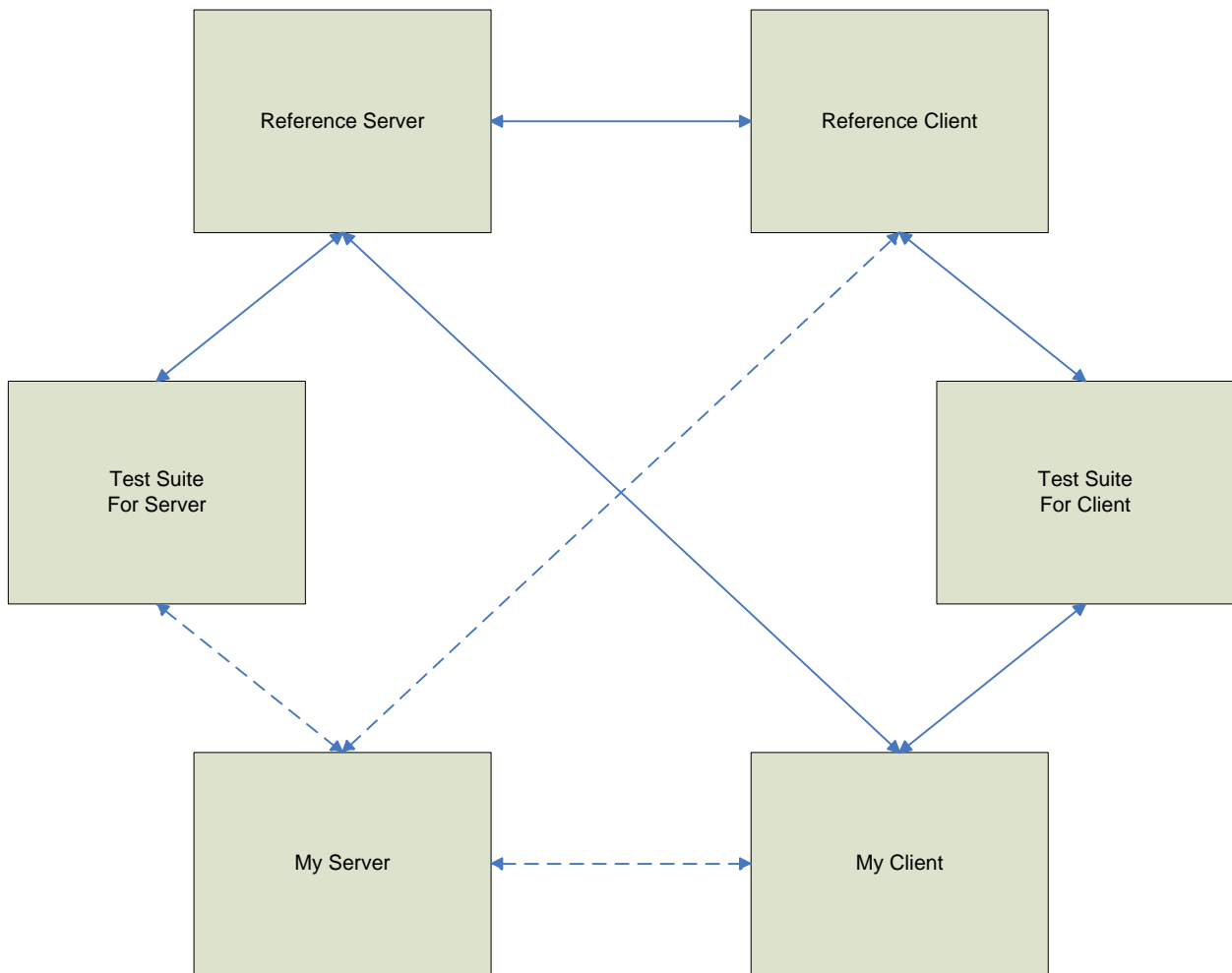
On the last point, Laurence Eeckhout informed the members that in some cases, a non-profit organization may run activities that generate revenues if this activity is run for the benefit of all the members.

The GIEG document EGEA-WG10-nov2014.pdf was reviewed.

There is an agreement on:
- From a client point of view:
  1. A paper specification
  2. A conformance paper document
  3. A conformance test suite
  A reference EGEA Net server is needed for that item.
- From a server point of view:
  4. A paper specification
  5. A conformance paper document
  6. A reference EGEA Net server implementation, available as binary and open source
  7. A conformance test suite

The picture given below represents the discussion. The development of "My Server" is possible but not expected in practice. However, all documentations (specification, conformance test) and software utilities should be available to do so if necessary.

Certification:
It is understood that a client is certified towards the reference EGEA Net server implementation.

3.2. Confirmation of interest and directions from the G.A.: the WG10 is invited to identify one technical solution and prepare a business plan for 1 proposal only.

4. **Liaisons EGEA WG10 11th meeting.pdf**

4.1. Update on UNISYS
4.2. Update on CITA WG5
4.3. Update on EUCARIS

No major update on those items.

5. **Review of proposals**

5.1. ACTIA's proposal on VIMS EGEA-EGEA NET v1.4 (US).PDF

This latest version includes conception and development.

5.2. Combined solution VIMS-ASANET

As already mentioned, a combined solution (Asanet/VIMS) seems not to be possible, and will no longer be taken into account.

5.3. Migration plan from the existing solutions

This latest topic is postponed to the next meeting.

It was discussed to start from a new solution, which allows an easier implementation on new platform. Bridges between existing protocols and the new ones should be foreseen.

The discussion occurs on introducing a JSON API in the existing asanetwork.

Questions to ASANET:
- Peter Rehberg will ask to the asanetwork shareholders confirmation they are willing to transfer the complete IP and source code, under the condition it is used as a base for the new EGEA Net.

Questions to AXONET:
- Provide a quote for the following items:
  o Transfer to EGEA of all IP, source code and documentation relating to ENC server and testing environment for client and server.
  o An updated offer including the addition of an up-to-date REST API and JSON format instead of fixed length to the current ASANet solution for an easier implementation on mobile devices. The current interface and fixed length fields remain available. The updated offer shall provide all the requested information described in the following lines:
    - From a client point of view:
    1. A paper specification
    2. A conformance paper document
    3. A conformance test suite
       A reference EGEA Net server is needed for that item.
    - From a server point of view:
    1. A paper specification
    2. A conformance paper document
    3. A reference EGEA Net server implementation, available as binary and open source
    4. A conformance test suite

A WebEx will be organized with AXONET to clarify the awaited outputs. Participants will be:
  o Marco Le Brun
  o Ramon Amirpour
  o Georges Petelet (optional)
  o Martin Kammerhofer
  o Tony Malaterre
  o Peter Rehberg (optional)
  o Rafal Grzeszczyk (optional)

Note: component compliant with the ASAnet API, developed under C#, JAVA, etc… remain the IP of AXONET.

The next table includes the idea of the group concerning the introduction of JSON API in the existing ASANet solution.

Topic	Requirement	ASANET	ASANET with JSON
4.1.1 Operating system for ENC Server	Windows, Linux	Network manager only on Windows platforms	not needed (can use open source to build that)
4.1.2 Transmission protocols	TCP/IP	Fulfilled	
4.1.3 Standard data formats	XML, JPG	Some parts are in fixed block format. Results are XML	JSON interface shall have standard format only and map data to the ASANET format (e.g. maintain both fields: new and legacy format)
4.1.4 Documentation	Language+Keywords in English	Fulfilled	
4.2.1 Installation	Simple, user level	Fulfilled	
4.2.1 Server discovery	Automatic	Fulfilled	
4.2.1 Client acceptance	Automatic and manual	Only automatic	Manual shall be implemented
4.2.2 Client compliance	Conformance test suite	Manual test with tools	Fine with manual test with tools
4.3.4 Client configuration	Optional group and sequence	DLoc and optional group	Fine with DLoc and optional group
4.2.4 Status report	Connection and communication test	Fulfilled (AwnDiag)	
4.2.5 New client types and services	Should not affect existing implementations	Fulfilled	
4.2.6 Adding new information to existing service definitions	Should not affect existing implementations	Fulfilled	
4.2.7 Software Updates	Provide version information and updates to clients	Possible with new service definition and implementation	Fine with new service definition and implementation
4.2.8 Device information	Client shall provide information to ENC Server	Client information partially embedded in test results.	New services have to be implemented

		Additional information possible with new service	
4.2.9 Diagnosis	Diagnosis tool shall be available	Fulfilled (AwnDiag)	
4.3.1 and 4.5.1 Order and status	Create, distribute and modify order data	Fulfilled	
4.3.2 Time synchronization	ENC server shall provide time	Fulfilled	
4.3.3 and 4.3.4 Vehicle data	Separate modules	Separate modules	
4.3.6 and 4.5.2 test results	Shall transport any kind of data	Fulfilled	
4.3.7 and 4.5.3 Retrieve results	Client can request former results	Fulfilled	
4.4.1 Trigger action	Perform action on specific client	Possible with new service definition	New service has to be implemented
4.4.2 Exchange live data	Live exchange directly and via ENC	asanetwork LiveStream only via server	TBD
4.4.3 Remote control	Request client to perform a command	Fulfilled	
4.6 Security	Shall be provided via public/private key infrastructure	Possible, provided by clients	
	Clients on iPhone, Android, etc.		Easily with JSON interface

Note:
XML:
 <SPEED>1500</SPEED>
JSON
SPEED: 1500

6. Business plan

6.1. Business model – alternatives to be considered
6.2. Certification strategy, EGEA role and responsibilities
6.3. Benefits of a standard European test equipment network for the stakeholders
6.4. WG10 budget plan and schedule

The group prepared a first list of topics to be included in the business plan:

- Obtain information (documentations, source code) from Axonet and asanetwork
- Define access and costs for EGEA members and non-members.
- A steering committee (e.g. WG10) will manage further development of the network. That's "maintenance". The items below will be managed by WG10 with tenders.
  - o Paper update for new defined information
  - o Adaptation to new OS
  - o Adding new features
- Marking: an EGEA sticker or an EGEA registration number will mark EGEA NET certified equipment; labelling costs for EGEA members and non-members to be defined.
- Certification: only equipment will be allowed to carry the EGEA sticker or registration number.
- Management of certification bodies. EGEA will be responsible of:
  - o Define requirements for certification bodies
  - o Inspect/audit certification body, monitor operation, in particular if equipment fails.
  - o Define recommended range of charges to the users. Scope of certification (software version or device model, reduction for re-branded equipment, etc…) and related costs are TBD.
  - o Define fees for EGEA
  - o Sign off contract between EGEA and certification body
  - o Receive regularly information on certified equipment and publish as EGEA
  - o Maintaining database of certified equipment
- Support:
  - o Hotline and bug fixing
  - o Provided by private companies on a competition basis.
- Liability:
  - o The responsibilities and liabilities of EGEA have to be defined in conjunction with lawyers
  - o Insurance
- Enforcement:
  - o Illegal use of the EGEA label
  - o Legal support
- Web portal for documentation, open source code, certification lists
  - o Maintenance, updates
  - o Registration of members
  - o FAQ, answer emails,
  - o Advertising
- Advertising, promotion
  - o Leaflets, videos, mailing, trade fairs

Georges Petelet, Pete Bradley, Peter Rehberg, Mark de Goede, Marco Le Brun, Antonio Multari and Rafal Grzeszczyk will work on the business plan as a separate sub-group. Georges will call the first telcon where a sub-group leader will be nominated.

7. Date and place of next meetings

Pre-meeting on 4th February afternoon for small group dedicated to business plan.
Next meeting: 5th of February 2015

8. Thank you and closure

The chairman thanked all participants for an active and productive meeting.

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Tony Malaterre   Marco Le Brun
WG10 Member   WG10 Chairman