TAHI Overview and OSGi

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TAHI Overview and OSGi

TAHI at a glance

Background to TAHI

Emphasis on Services and what we aim to achieve

Activities – trials and working groups

Trials – Service orientation

WGs – Understanding the customer, modelling the business case, defining the technology requirements
The Application Home Initiative (TAHI)

MISSION

“to accelerate the adoption of networked applications and services to home based users”

- TAHI is providing the infrastructure to enable that mission
- TAHI is a Company Limited by Guarantee and not having a Share Capital.
- All Members are bound by its Articles but have a maximum liability of £1.
- It has currently 36 Members
  - 9 Corporates
  - 22 SMEs (Small to Medium sized Enterprises)
  - 5 HEIs (Higher Education Institutions)
Overview of TAHI

- TAHI was formed because no one application into the home has a compelling business case.

Our Perceptions:
- Market Failure – many new technologies but no take up
- Market needs Applications and Services to pull through new technologies – *but*…..
  - “Stand alone” applications don’t have a viable business case
  - Multiple, incompatible applications and systems will cause market resistance.
  - Interoperability, Interaction, and Conformity essential
- UK Government and EU support for e-agenda initiatives
- Something “needed to be done”
Overview of TAHI

- **TAHI solution**
  - Create an environment where applications, services and technology are compatible and can interact with one another and the consumer
  - Offer the consumer a “bouquet” of applications and services delivered through a reassuring interface with a consistent look and feel.
  - Bundle the applications and services, saving infrastructure costs and improve the business case
  - Create an environment where many organisations can work together to achieve the common goal

  “accelerate the adoption of networked applications and services to home based users”
Co-operation to competition

- One Organisation however diverse simply cannot provide the skills and resources to deliver the full bouquet of applications and the range of competencies needed
  - Most organisations and companies concentrate on particular sectors
  - They have competitive advantage in these sectors
  - A fully integrated service delivery system needs expertise from multiple sectors
- Many organisations working together have the skills and resources.
  - Under TAHI many organisations across many sectors have come together in a common cause to share their expertise to build a new market.
TAHI Overview and OSGi

TAHI Services Strategy

- TAHI has identified a wide range of applications and services that consumers want – *but*.....
  - TAHI customer surveys show that consumer demand while present is unfocussed and uninformed
  - Consumers want easy to use services and applications
  - The user interfaces must be intuitive and consistent across applications and services

- **Combine** applications and deliver a “bouquet” of bundled applications to make the economics work – *and*....
  - Use technologies that are already available to provide the infrastructure for delivery of the applications but make them interoperable with one another
  - Set up clearly focussed trials to test these hypotheses in a number of market sectors
From work by the TAHI Customer Value WG - the main applications and services with estimated utility values.
Testing the hypotheses

- We cannot do all this at once – it is far too complex
Simplifying Complexity

- We cannot test all this together it is too complex
- So we have set up projects working within TAHI to segment the complexity
- Energy Trial (still in preparation)
  - Energy related applications
  - Customer service
  - Links with other services (from TAHI projects)

- AMR
- Control Energy use
- Monitor Energy use
- Remote Management
- Actual and local billing
- Monitor safe energy use
- Link with other utilities
Simplifying Complexity

- We cannot test all this together it is too complex
- So we have set up projects working within TAHI to segment the complexity
- Service Aggregation Programme (funded by DTI)
  - How to deliver multiple interacting services through a unifying portal
  - Working with service providers to define methodologies for building and modelling the business case

- Medical Monitoring
- Home Care
- Home shopping
- Energy Management
- AMR
- Home Control
- Safety
Simplifying Complexity

- We cannot test all this together it is too complex
- So we have set up projects working within TAHI to segment the complexity
- Equipment Management Trial (funded by DTI)
  - Testing services that look after the consumer’s basic needs.
  - Ensuring equipment never breaks down, the home is safe and warm

- Security
- Home Control
- Safety
- Equipment Maintenance
- Remote Diagnostics
- Energy Management
Simplifying Complexity

- We cannot test all this together it is too complex
- So we have set up projects working within TAHI to segment the complexity
- The Living Space Programme (engagement with Public Authorities and Agencies)
  - Tests the consumer proposition when Broadband becomes available – large Public Authority trials
  - Examines how the “always-on” and reduced latency characteristics enhance the basic applications
  - Care in the Community
  - DTV & Video
  - Video Conferencing
  - Health Care
  - Music on Demand
  - Gaming
  - Home shopping
  - e-Learning
  - Home security
  - Video on request
  - Home Working
Other Trial and Project work

- These 4 projects have created further work and initiatives
- The Broadband virtual Laboratory™ that utilises the output of large trial populations is an extension from LS
  - Given several 1000 + home trials
  - Given connected and monitored homes
  - Given a signed up and willing population
- The BvL™ can test anything in the home in real-time
Other Trial and Project work

- These 4 projects have created further work and initiatives
- TAHI Members (represented by Advantica Limited) have helped set up Project TEAHA under EU Framework Programme 6.
- If the TEAHA proposal succeeds, TAHI Members will be involved in defining TEAHA 2 and in what may well be a series of Broadband virtual Laboratories in many EU States
What is TEAHA

- The European Application Home Alliance
  - **European** because the Alliance consists of a number of major groups across Europe
  - **Application** because one of the aims is to accelerate the take up of Applications and Services to all consumers across Europe
  - **Home** because the main target customer is the home-based user and this will be a project that aims to evaluate the needs, wants, requirements and usage patterns of such users.
  - **Alliance** because TEAHA is an alliance of a number of associations, groups and initiatives that already exist in Europe.
  - **THE** because this Alliance will be the grouping that aims to successfully achieve its aims for its members

- TAH! Members will be involved in TEAHA.
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**TAHI Working Groups**

- The Trials activity needs inputs of Market trends and consumer perception, promotion and commercialisation. It also needs a strong and cohesive technical input.
- TAHI supports these activities with TAHI sponsored Working Groups.
- All TAHI Members and their employees are eligible to take part in TAHI WGs provided they have an input and are prepared to devote at least 2 days per month in WG activities.
- TAHI WGs are formed to carry out tasks and dissolved when the tasks are completed.
- Documents from TAHI WGs are available to TAHI Members. Some documents or part documents are available to all and are to be found on the TAHI Website.
TAHI Working Groups

- Market Intelligence Group (MIG) works to provide understanding and statistics on the market place.
- Marketing Communications Group (MCG) works to deliver the promotional strategies of TAHI
- Commercialisation and Exploitation Group (CEG) works to promote and exploit the outcomes of TAHI activities
- Technical Working Group (TWG) works to provide coherent technology strategies and systems for TAHI projects
  
  It is developing the TAHI Open Architecture and Mark of Conformity and to inform standards internationally
TAHI Overview and OSGi

TAHI and its Members

- We have support from UK Government (DTI)
- TAHI Members are contributing their expertise and resources in providing the models, methodologies, technologies that will underpin TAHI programme activities
- Funding is now flowing from DTI, but is small in relation to the effort required overall
- TAHI is involved in Europe in Project TEAHA and has involvement in EU FP6 Call 2 projects.
- Our intended outcome is that by supporting TAHI Trials, TAHI Members will be well placed to be in the forefront of the roll out of applications, technology and services across Europe.
More Information?

- For more information about The Application Home Initiative, visit our website:
  
  www.theapplicationhome.com

  or contact Stephen Pattenden at the TAHI Secretariat office:

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Thank you for your attention