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Subject: Business Scenario incremental input to EcoGrid D3.1

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Attribute	Value
ID	BS.IH.WP5.MGT: Pilot participant and deployed asset and status tracking
Name	Pilot participant and deployed asset and status tracking
Actors involved	• Oestkraft as Retailer • Ecogrid Consumer • EcoGrid Hardware Maintainer • EcoGrid Aggregator
Context	A Consumer of Retailer has selected to be a pilot participant hence become an EcoGrid Consumer. As a result of the specific household installation and requirements of Consumer, a set of IBM Household pilot components gets selected and eventually deployed. A system for respective asset management, installation work orders and and operational status tracking is needed.
Inputs	• EcoGrid Task 5.1 - Planning of installation and demonstration: Available installation components • EcoGrid Task 5.2 - Active customer participation and Recruitment: Oestkraft assigned Ecogrid Consumers and selected components • EcoGrid Task 5.3 - Installation and Testing: Electrician and Oestkraft deployed components and status
Outputs	• EcoGrid Task 5.3 - Installation and Testing: Online progress and status reports
Precedents	EcoGrid Consumer household components available. Consumer recruitment completed.
Successors	EcoGrid Demonstration.
Description	The recruitment, installation rollout, and ongoing operational surveillance of status of EcoGrid Consumer deployed assets is a fundamental requirement to guarantee scalability and stable operation of the EcoGrid demonstrations.
Open questions	Additional attributes and information to get tracked.
Business Model	The Retailer and investors needs operational control of location and status of assets.
Cost Driver	The specific requirements of Retailer for initial data loading and incremental information updates must be received.

Attribute	Value
ID	BS.IH.WP5.REP: Broken equipment investigations and replacement - Interface
Name	Support: Broken equipment investigations and replacement - Interface
Actors involved	• Oestkraft as Retailer • Ecogrid Consumer • EcoGrid Hardware Maintainer • IBM as Ecogrid Aggregator and investor • IBM subcontractor GWR
Context	Typically upon Ecogrid Consumer request, Retailer with EcoGrid Hardware Maintainer resolves issues on site or enables component swapping. The respective tracking of assets and their status must be supported with an appropriate interface.
Inputs	• EcoGrid Task 5.1 - Planning of installation and demonstration: Available installation components • EcoGrid Task 5.3 - Installation and Testing: Electrician and Oestkraft replaced components and new status
Outputs	• EcoGrid Task 5.3 - Installation and Testing: Updated asset and status reports
Precedents	BS.IH.WP5.MGT: Pilot participant and deployed asset and status tracking
Successors	EcoGrid Demonstration.
Description	It is assumed that Retailer maintains spare parts, in support of maintenance activities joint with EcoGrid Hardware Maintainer. For the IBM households, GWR will provide 2nd and 3rd level support to Oestkraft for end-user assistance. How this support will be managed and executed is to be agreed upon directly between Oestkraft and GWR in an SLA (service level agreement).
Open questions	Precise identity information to track hardware swapping and update Consumer identity information. Initial field experience is needed before problem determination procedures and respective software support requirements can get determined.
Business Model	The Retailer and investors needs operational control of location and status of assets over the entire project duration.
Cost Driver	The specific requirements of Retailer for information updates must be clarified.

Attribute	Value
ID	BS.IH.WP5.HLP: Pilot participant helpline – Interface
Name	Pilot participant helpline – Interface
Actors involved	• Oestkraft as Retailer • Ecogrid Customer • RTM Settlement Executor
Context	Retailer when interacting with EcoGrid Consumer needs online access to Consumer deployed components and their status.
Inputs	• EcoGrid Task 5.2 - Active customer participation and Recruitment: Oestkraft deployed components and status
Outputs	• EcoGrid Task 5.2 - Active customer participation and Recruitment: Online information on deployed components and status.
Precedents	BS.IH.WP5.MGT: Pilot participant and deployed asset and status tracking
Successors	EcoGrid Demonstration.
Description	The online status of EcoGrid Consumer deployed assets with status information is a fundamental requirement to guarantee scalability and stable operation of the EcoGrid demonstrations.
Open questions	The specific requirements of Retailer for what kind of information should get tracked and reported must be received.
Business Model	The Retailer needs operational insight into specific Consumer deployed assets and their status.
Cost Driver	The specific requirements of Retailer for what kind of information should get reported must be received.

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Attribute	Value
ID	BS.IH.VOL: Support up to 700 households by September 2012
Name	Support up to 700 households by September 2012
Actors involved	• Oestkraft as Retailer • Ecogrid Consumers • IBM as Ecogrid Aggregator and investor • IBM subcontractor GWR
Context	Retailer when interacting with EcoGrid Consumer needs online access to Consumer deployed components and their status.
Inputs	• EcoGrid Task 5.1 - Planning of installation and demonstration: Available installation components • EcoGrid Task 5.2 - Active customer participation and Recruitment: Oestkraft assigned Ecogrid Consumers and selected components • EcoGrid Task 5.3 - Installation and Testing: Electrician and Oestkraft deployed components and statusEcoGrid Task 5.2 - Active customer participation and Recruitment: Oestkraft deployed components and status
Outputs	• EcoGrid Task 5.2 - Active customer participation and Recruitment: Online information on deployed components and status.
Precedents	BS.IH.WP5.MGT: Pilot participant and deployed asset and status tracking with dashboard progress reporting portal.
Successors	EcoGrid Demonstration.
Description	700 IBM household installation component sets are planned to be available by end of June, with an initial 100 already being available in March. Oestkraft as Retailer will coordinate the deployment and installation testing with the goal to have as many Consumers boarded and installed before first Ecogrid heating season. The participant and deployed assets and status tracking solution must support this process.
Open questions	Are sufficient numbers of pilot participants identified and can rollout progress with sufficient pace.
Business Model	The EcoGrid EU project and participants need accurate information on the number of installed households ready for inclusion into the planned demonstration.
Cost Driver	Ideally, also operational information on the aggregated demand-response potential of the ready EcoGrid Consumers would be part of the dashboard information.

Attribute	Value
ID	BS.ICT.BC: Deploy basic compute server on Bornholm
Name	Deploy basic compute server on Bornholm
Actors involved	• Oestkraft as DSO • IBM as ICT Platform Operator
Context	The EcoGrid pilot on Bornholm needs an ICT platform for the development, testing, and pilot operation.
Inputs	• IBM purchasing and delivery • Oestkraft preparation of space and energy
Outputs	Operational scalable server system ready for different categories of middleware and application software.
Precedents	EcoGrid EU project started.
Successors	BS.ICT.VM.Initial configuration for application hosting.
Description	An IBM BladeCenter offering independent groups of redundant blades to enable high-performance scalable typically virtualized application hosting.
Open questions	Details on the resource allocation and access control.
Business Model	To support grid the grid stability and security requirements, the ICT platform for the Ecogrid demonstration on Bornholm should be self contained, no inherent dependencies on remote cloud services.
Cost Driver	Initial configuration and frequent reconfiguration requirements for diverse partners.

Attribute	Value
ID	BS.ICT.VM: Initial configuration for application hosting
Name	Initial configuration for application hosting
Actors involved	• IBM as ICT Platform Operator • EcoGrid workpackages and partners as Software Providers
Context	The EcoGrid pilot on Bornholm needs an ICT platform for the deployment of third-party and partner products and project developped applications. Flexible staging and contained security scopes will be required along with scalable performance and operational stability.
Inputs	Workpackage and Partner software deployment plans.
Outputs	Hosted applications
Precedents	BS.ICT.BC: Deploy basic compute server on Bornholm
Successors	BS.ICT.NET.Initial network configuration and Oestkraft DTU integration
Description	An initial set of hosted applications will contain basic infrastructure services, database and asset management subsystems, and also IBM and Siemens demonstrations related central-server support applications, e.g. GWR and DEMS servers.
Open questions	Details on the resource requirements and deployment methods.
Business Model	A performant and flexible Ecogrid ICT platform and application hosting environment will improve Consumer perception and Ecogrid demonstration capabilities.
Cost Driver	Frequent reconfiguration requirements for diverse partners, with attached redundancy and backup requirements.

Attribute	Value
ID	BS.ICT.NET.Initial network configuration and Oestkraft DTU integration
Name	Initial network configuration and Oestkraft DTU integration
Actors involved	• Oestkraft as DSO • IBM as ICT Platform Operator • DTU and other partners as Software Providers and Operators
Context	The EcoGrid pilot on Bornholm needs an ICT platform for the deployment of third-party and partner products and project developed applications. Remote access for maintenance and operational surveillance to qualified partners and respective application subsystems is required.
Inputs	Workpackage and Partner software deployment and remote access plans.
Outputs	Remote access to hosted applications
Precedents	BS.ICT.VM: Initial configuration for application hosting
Successors	EcoGrid demonstration phase.
Description	Aligned with deployed application and remote access requirements for maintenance support and operations, specific rights must be configured on the IBM hosting and Oestkraft networking sides.
Open questions	Details on hosted application communication requirements.
Business Model	Remote maintenance and operation will avoid expensive travel and inconvenience.
Cost Driver	Frequent network and firewall reconfiguration requirements for diverse partners.