

Smart Meter Design Group

Adrian Rudd
9th September 2010

Agenda

1. Introductions
2. Background
3. Ways of working
4. Terms of Reference
5. Outline Plan
6. Community of experts

Lunch

7. Sub-group planning
8. Risks and Issues
9. Any other business

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SMDG Membership

Chaired and Secretariat Support– Ofgem Programme Team

DECC – Smart Metering Policy Team

AMO

BEAMA

British Gas

Consumer Focus

EDF Energy

ENA

ENA

Engage-consulting (ERA)

Eon-UK

ESTA

First Utility

Gemserv

Good energy

ICoSS

Intellect UK

Ofcom

RWE Npower

SBGI

Scottish Power

SSE

Utilita

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Background

Background to the programme.

- Rollout of smart meters to all domestic and SME customers
- Decision taken for Data Comms Company to be a single licensed entity
- High level functionality defined- now developed into proposed functional requirements catalogue
- Smart metering prospectus launched July 2010- consulting on a number of issues
- Ministers keen on accelerating the rollout
- Output of consultation expected in early 2011.

Background

Background to the SMDG.

It will provide expert support to the Programme and help to inform Government decisions.

It will be supported by working groups focusing on:

- Technical assessment
- Governance
- Technical issues

Scope covers all equipment in the home/ premises

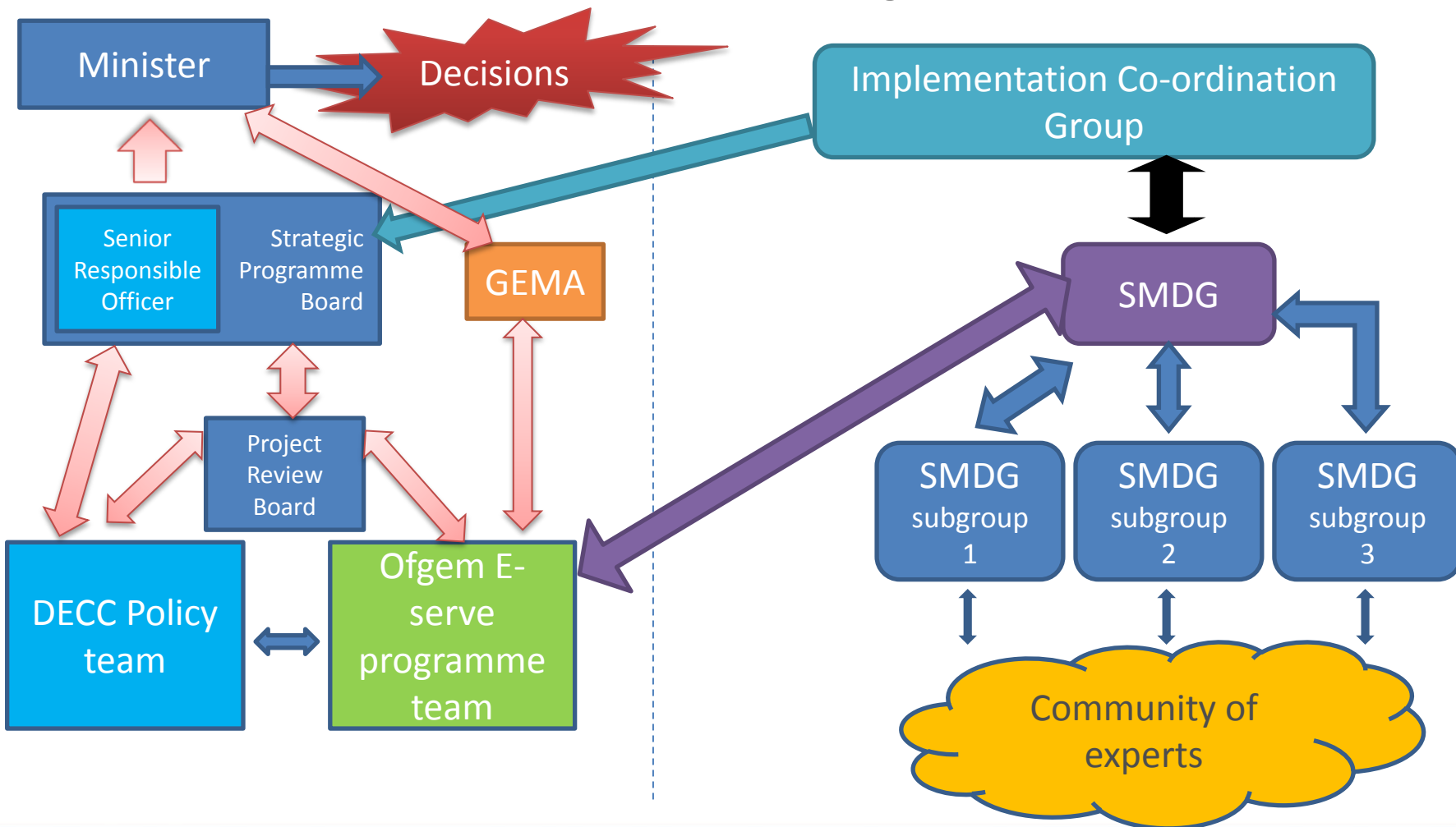
Supported by cross-cutting security work

Background

SMDG role during consultation

- SMDG can provide support and advice for the programme
- Wish to gain evidence and expertise from industry experts
- No decisions on policy will be made by the SMDG
- Process will be open and transparent. Minutes and papers will be posted on the Ofgem website.

SMDG within the programme.



Background

SMDG and Security by design

- Ensuring that the security of a system is designed from the ground up to be secure
- Security risks and issues are identified early in the system's development lifecycle
- This approach allows security issues to be designed out of a system or effective controls to be established, therefore maximising efficiency and reducing costs.
- Security may have a profound impact on the design of the smart metering system
- Security needs to remain at the forefront of the thoughts of the SMDG and its working groups

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Ways of working

- SMDG Terms of Reference: discussion and agreement
- Dispute resolution: agree to disagree
- Agreement of standing agenda
- SMDG work plan
- Community of experts

(after lunch)

- *Sub-group deliverables and ways of working*

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Terms of Reference

Distributed on 18th August

Comments received from some members

Need to be agreed

Standing agenda

- Introduction
- Programme update
- Risks and Issues
- Round the table update
- Review of working group deliverables
- Items of discussion from SMDG members
- AOB.

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SMDG Work plan

Outline Plan:

| Deliverable (to Programme) | Delivery Date |
|---|----------------------|
| Functional Requirements and Services Catalogue Assessment | 28/09/10 |
| Technical Assessment of existing Smart Metering Standards & Specifications | 11/11/10 |
| Arrangements and defined options for short term & enduring technical assurance | 11/11/10 |
| Technical issues related to Smart metering installation identified and proposed solution. options | 11/11/10 |
| Technical interoperability issue areas | 02/12/10 |
| Key priority areas for pilot trials identified with detailed approach (format, scope, success criteria) | 16/12/10 |
| Governance options for functional requirements catalogue and technical specification | 16/12/10 |
| Format and scope of the technical specification document | 06/01/11 |

| | |
|-----------|-------------------|
| Meeting 1 | 09/09/2010 |
| Meeting 2 | 28/09/2010 |
| Meeting 3 | 21/10/2010 |
| Meeting 4 | 11/11/2010 |
| Meeting 5 | 02/12/2010 |
| Meeting 6 | 16/12/2010 |
| Meeting 7 | 06/01/2011 |
| Meeting 8 | 27/01/2011 |

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Community of Technical Experts

Proposal – for discussion

Membership

- Individual experts can be invited by SMDG or its sub groups
- Anyone emailing the programme expressing an interest can be asked to join
- Members are asked to submit a short pen picture and indicate area of expertise
- Membership list (name and company) will be made public
- Personal professional views rather than company views

Engagement

- SMDG can draw on the community experts through a request for information (“RFI”) exercise whereby questions are emailed to a group of experts through the SMDG secretariat
- RFI will state that information will be anonymised and made public, unless marked otherwise (in line with FOI and consultation responses)
- Possibility of inviting experts to give presentations



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Promoting choice and value
for all gas and electricity customers

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SMDG Subgroups

- SMDG subgroups work for SMDG
- Need to agree deliverable plan
- Need to agree the participants
- Ofgem's role within the Subgroups (initially and ongoing)
- SMDG Terms of Reference cover subgroups
- Terms of Reference for subgroups will be circulated after the meeting
- Templates for the Deliverables to SMDG created to be flexible but with a common feel.

Technical Assessment (SMDG subgroup 1)

Deliverables to SMDG:

Draft Functional Requirements and Services
Catalogue Assessment
24/09/10

Draft Technical Assessment of Smart Metering
Standards & Specifications
05/11/10

Draft Technical interoperability issue areas
30/11/10

Draft outline proposals for format and scope of
technical specifications
24/12/10

| | |
|------------|---------------|
| Meeting 1 | 14-15/09/2010 |
| Meeting 2 | 22-23/09/2010 |
| Meeting 3 | 30/09/2010 |
| Meeting 4 | 06/10/2010 |
| Meeting 5 | 13/10/2010 |
| Meeting 6 | 20/10/2010 |
| Meeting 7 | 27/10/2010 |
| Meeting 8 | 03/11/2010 |
| Meeting 9 | 10/11/2010 |
| Meeting 10 | 17/11/2010 |
| Meeting 11 | 24/11/2010 |
| Meeting 12 | 01/12/2010 |
| Meeting 13 | 08/12/2010 |
| Meeting 14 | 13/12/2010 |

Governance (SMDG subgroup 2)

Deliverable to SMDG

Draft Arrangements and defined options for short term and enduring technical assurance document
05/11/10

Draft Governance options for functional requirements catalogue and technical specification document
10/12/10

| | |
|-----------|------------|
| Meeting 1 | 21/09/2010 |
| Meeting 2 | 05/10/2010 |
| Meeting 3 | 19/10/2010 |
| Meeting 4 | 02/11/2010 |
| Meeting 5 | 09/11/2010 |
| Meeting 6 | 16/11/2010 |
| Meeting 7 | 23/11/2010 |
| Meeting 8 | 07/12/2010 |

Technical Issues (SMDG Subgroup 3)

Deliverable (to SMDG)

Draft Technical issues related to Smart meter installation identified and proposed solution options
01/11/10

Draft Priority areas for pilot trials identified with defined approach
06/12/10

| | |
|-----------|------------|
| Meeting 1 | 13/09/2010 |
| Meeting 2 | 27/09/2010 |
| Meeting 3 | 11/10/2010 |
| Meeting 4 | 25/10/2010 |
| Meeting 5 | 01/11/2010 |
| Meeting 6 | 15/11/2010 |
| Meeting 7 | 29/11/2010 |
| Meeting 8 | 06/12/2010 |

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RISKS AND ISSUES

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ANY OTHER BUSINESS

NEXT MEETING:
28TH SEPTEMBER 2010



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