

Agenda Item 5

TERMS OF REFERENCE FOR SUB-GROUP 1 - DCC SCOPE & SERVICES

Objective of the DCC Scope & Services Workstream

To provide input to our assessment of options in two key areas:

1. Scope of activities to be supported by DCC
2. Service and functional requirements of DCC's WAN

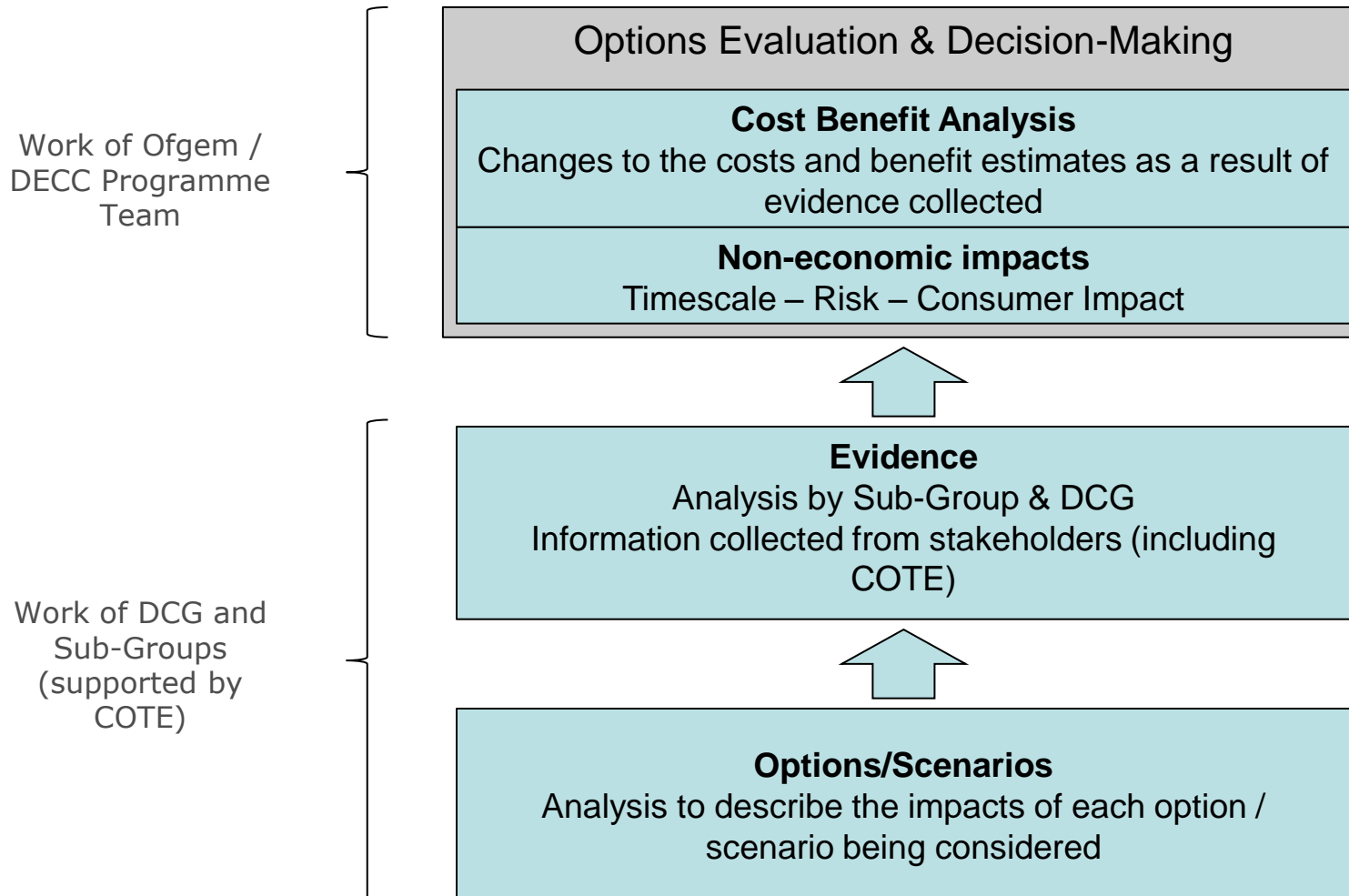
DCC Scope:

- Analysis to confirm and 'flesh out' the "initial DCC scope" as proposed in the Prospectus
- Examination of the implications of the "initial DCC scope" on existing systems and processes
- Definition of options for extending DCC scope to activities identified as "enabled by DCC over time" (principally supplier registration)
- Assessment of the costs, benefits, risks and other factors associated with the options
- Consideration of additional activities that might be included within DCC scope (e.g. data aggregation)

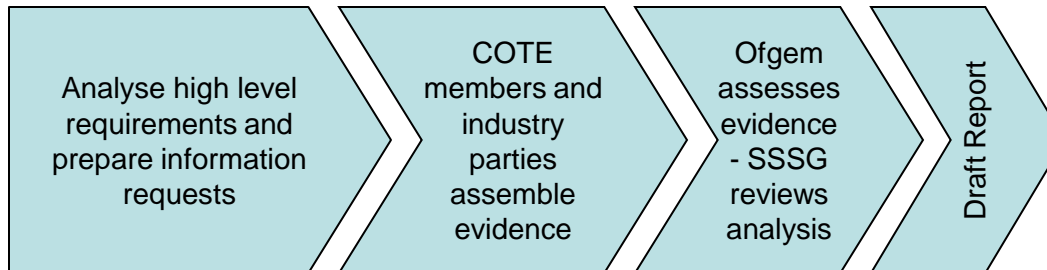
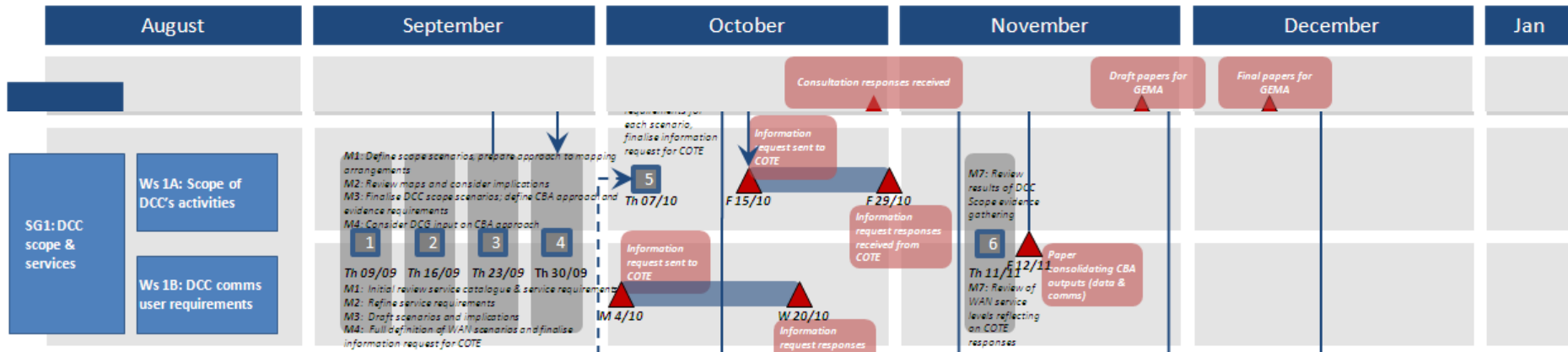
WAN Services:

- Definition of scenarios representing the range of options that might be adopted with regard to the service and functional requirements, and the timetable for their provision
- Presentation of evidence to assess the scenarios and delivery options including costs, benefits, risks and timing implications

General approach



Summary work programme for SSSG



DCC Scope - we will build on the evidence gathering in April/May and the options presented in the Prospectus

		Comms & Access Control	Security Monitoring & Assurance	Translation	Initial Smart Grid Requirements	Scheduled Data Retrieval	Meter Registration	Data Storage on CoS	Data Processing	Data Aggregation	Smart Grids - Evolved Reqts	Consumer Value Added Services	Extra-Industry Services	Supplier Volume Allocation
Evidence Gathering - April	Option A	█	█											
	Option B	█			█	█		█	█					
	Option C	█											█	
Prospectus CBM	Initial Scope (Grey)	█	█	█	█									
	Additional Services (Black)	█	█	█	█	█	█	█	█					
	Further Possibilities (White)	█	█	█	█	█	█	█	█	█	█	█	█	█

The 'Initial Scope' in the Prospectus reflects Option A1/2 or A+ as presented by several respondents to the Evidence Gathering request – adding Scheduled Data Retrieval

Consumer Value-Added Services	Data Aggregation & Storage
Extra-Industry Services	Data Processing
Smart Grid (evolved requirements)	Change of Supplier Data
Smart Grid (initial requirements)	Meter Registration
Translation Services (Head Ends)	Scheduled Data Retrieval
Secure Communications & Access Control <small>A set of communication technology solutions and corresponding contacts enabling national coverage, coupled with a secure access control function</small>	

WAN functional and service requirements – we will build on the Prospectus and work within the programme to define scenarios for assessment

Performance

- Network Availability
- Latency

Electricity meter specific	Size bytes inc. padding	Max response secs	kbps calc
Meter reading - sim	102	60	0.0
Meter reading - inte	384	60	0.1
Tariff setting	102	60	0.0
Meter alerts	102	8	0.1
PPM balance top	102	8	0.1

Gas meter specific	Size bytes inc. padding	Max response secs	kbps calc
Meter reading - sim	102	60	0.0
Meter reading - inte	384	60	0.1
Tariff setting	102	60	0.0
Meter alerts	102	8	0.1
PPM balance top	102	8	0.1

General and operational services - G&E	Size bytes inc. padding	Max response secs	kbps calc
Diagnostics	102	8	0.1
Message to IHD	256	8	0.3
Firmware upgrade	400,096	60	53.3

Smart Grid - electricity	Size bytes inc. padding	Max response secs	kbps calc
Electricity quality re	53,664	1	423.3
Appliance load man	96	8	0.1

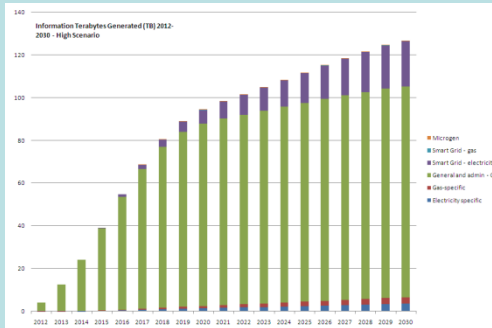
Smart Grid - gas	Size bytes inc. padding	Max response secs	kbps calc
Appliance load man	96	8	0.1

Microgen	Size bytes inc. padding	Max response secs	kbps calc
Microgen read	256	60	0.0
Microgen tariff upd	102	60	0.0

- Other indicators

Traffic Volumes

- Message size
- Collection frequency
- Number of meters



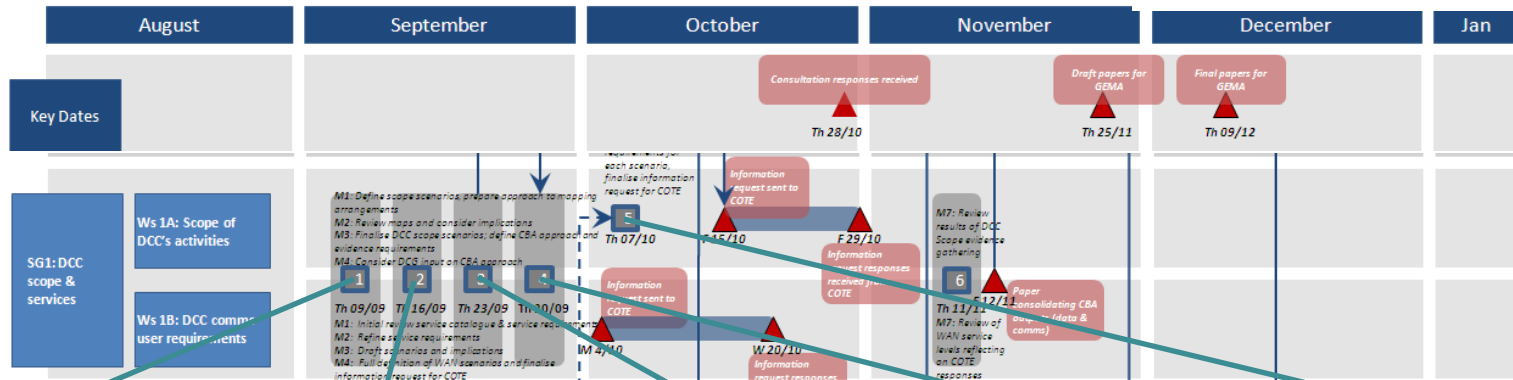
Commercials

- Contract duration
- Risk allocation
 - Service performance
 - Credit risk

SSSG Membership

Organisation		Name
Ofgem		
British Gas	Big 6	
EDF	Big 6	
E.ON	Big 6	
nPower	Big 6	
SSE	Big 6	
SP	Big 6	
	Small Suppliers	
	Small Suppliers	
	DNO	
	DNO	
	IGT	
Elexon		
xoserve		
Gemserv		
Electralink		
AMO		

SSSG workplan



Meeting 1

Scope

- Review 'initial scope' and define options
- Agree mapping approach

Services

- Review services catalogue
- Define options to be analysed

Meeting 2

Scope

- Analyse options for bringing registration into DCC
- Define information to be requested

Services

- Analyse functional and service requirements
- Define information to be requested

Meeting 3

Scope

- Consider options linked to registration
- Prepare briefing for DCG

Services

- Document services scenarios for presentation to DCG

Meeting 4

Scope

- Consider inclusion of other activities (i.e. DP / DA)

Services

- Finalise information request

Meeting 5

Scope

- Prepare information request for approval by DCG

The background of the slide is a composite image. On the left, there are rows of solar panels under a bright sun. On the right, a hand is shown holding a white document. In the bottom left corner, a blue gas burner is visible. The overall theme is energy and customer service.

ofgem

Promoting choice and value
for all gas and electricity customers