ofgem

Promoting choice and value
for all gas and electricity customers

Smart Metering Implementation Programme

Phase 1A – DCC Project
DCC Scope & Services Workstream

Meeting 7: 16 December 2010

Agenda

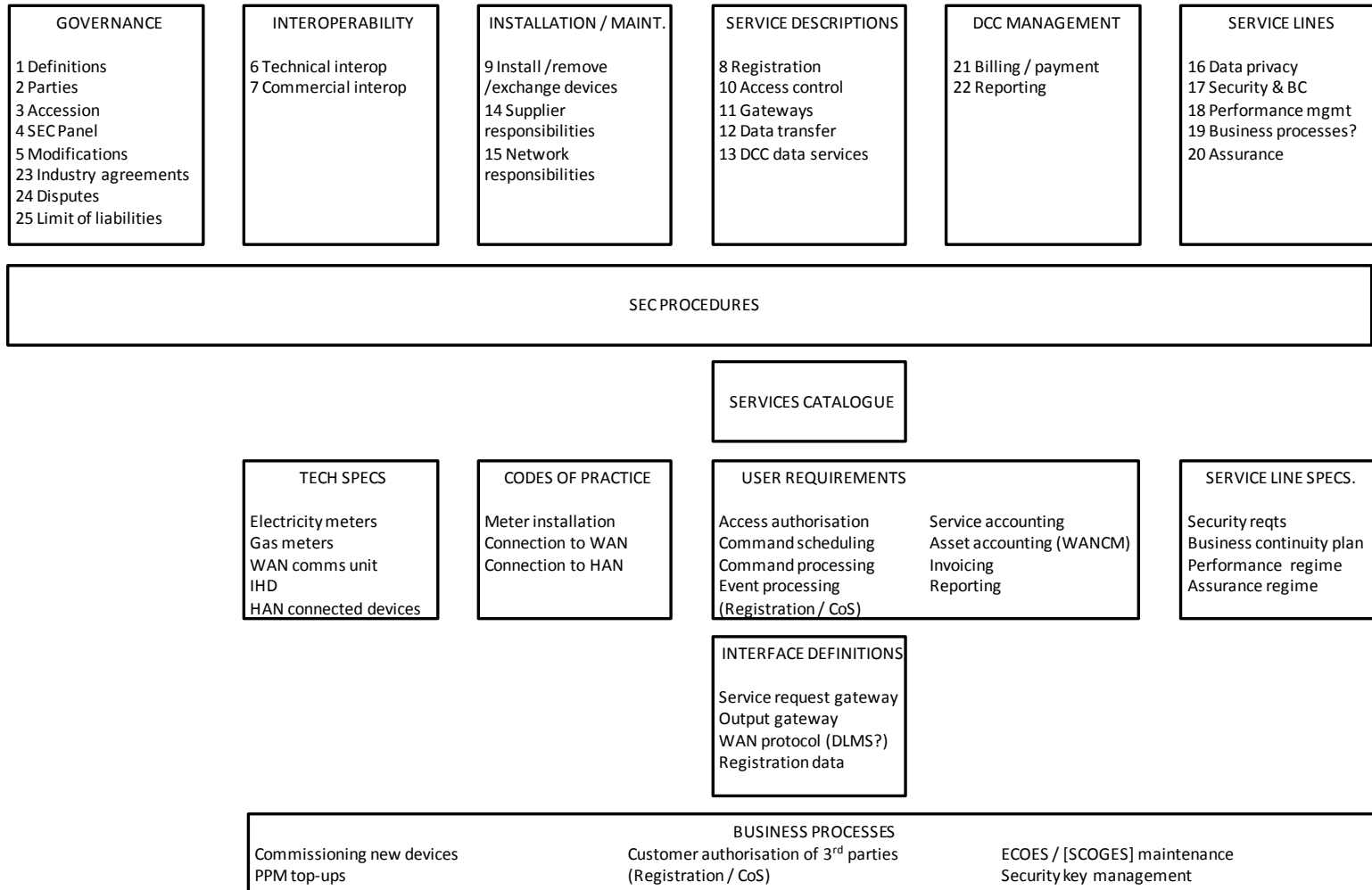- Terms of reference for work in December – January

- Scoping of DCC functions

Agenda Item 1

TERMS OF REFERENCE FOR DECEMBER - JANUARY

Context

- The scope of DCC has yet to be agreed but the initial scope functions will be required under all options
  - Secure access control
  - Translation
  - Scheduled data retrieval

- The procurement strategy has also yet to be agreed but it is likely to follow Public Contracts Regulations

- Functional and service requirements will be needed in Smart Energy Code and (as Output based Specifications) in RFP
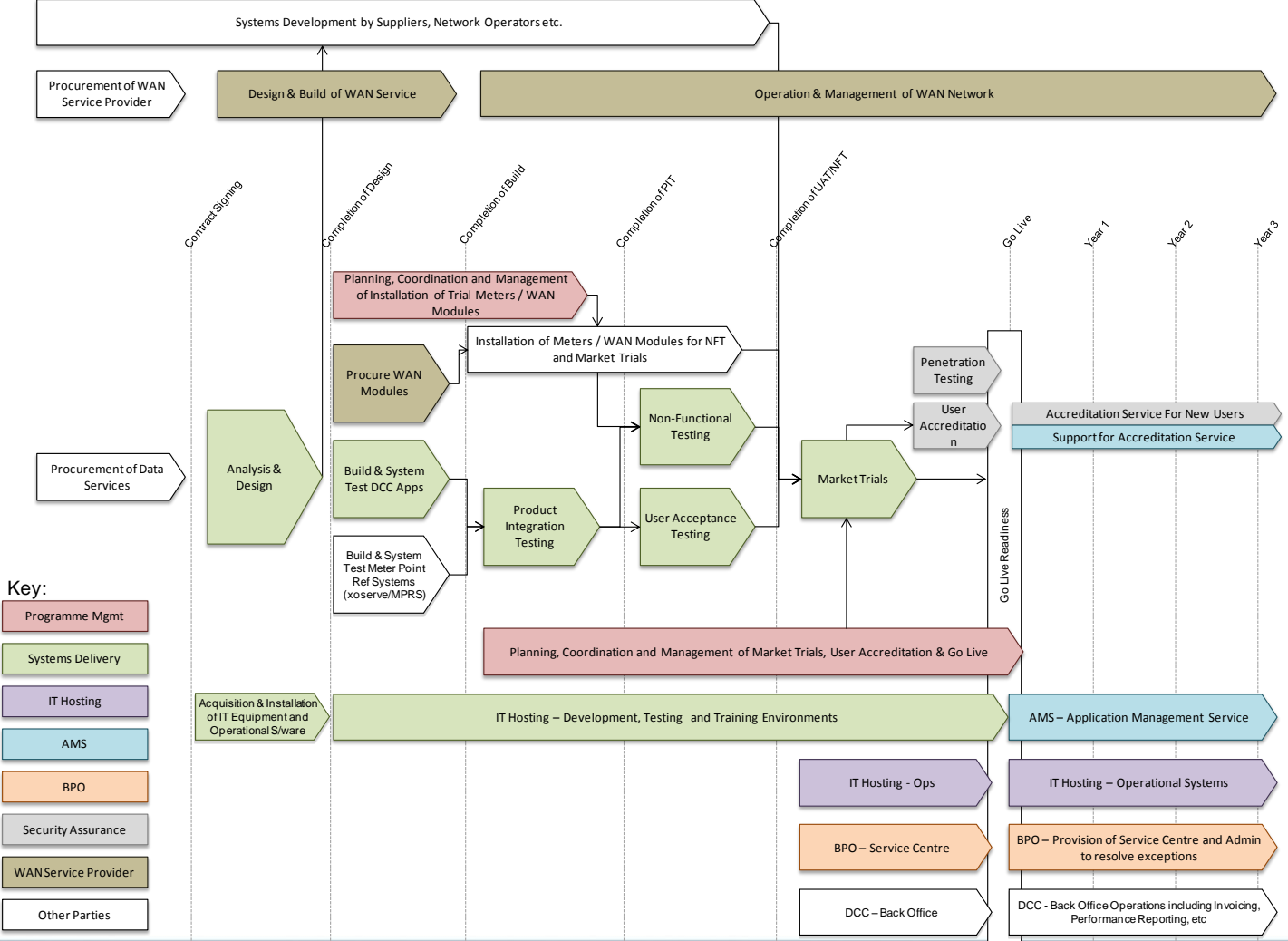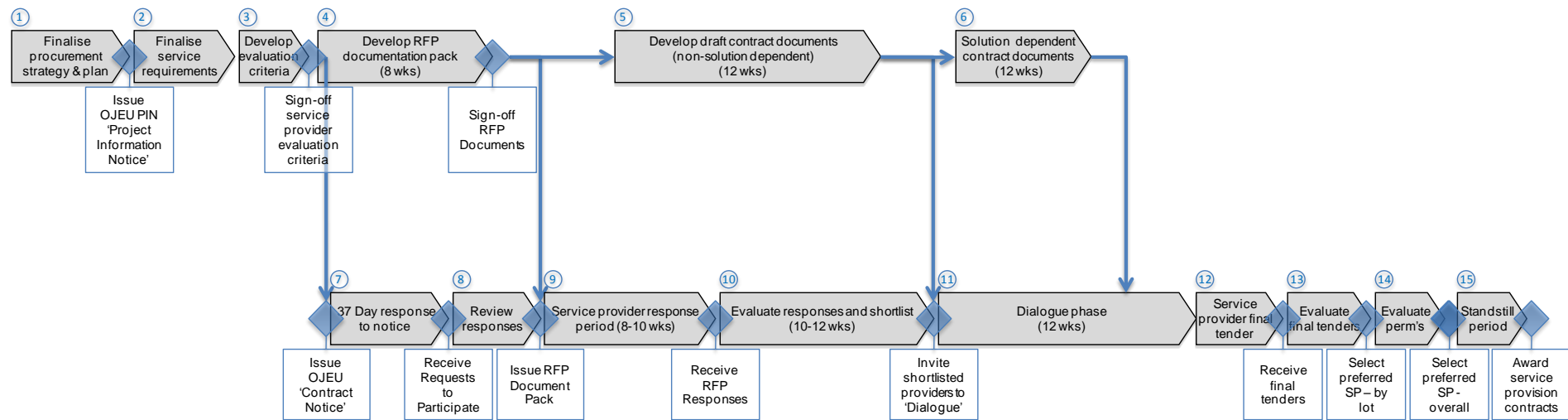
Smart Energy Code – as discussed in SG3

GOVERNANCE	INTEROPERABILITY	INSTALLATION / MAINT.	SERVICE DESCRIPTIONS	DCC MANAGEMENT	SERVICE LINES
1 Definitions 2 Parties 3 Accession 4 SEC Panel 5 Modifications 23 Industry agreements 24 Disputes 25 Limit of liabilities	6 Technical interop 7 Commercial interop	9 Install /remove /exchange devices 14 Supplier responsibilities 15 Network responsibilities	8 Registration 10 Access control 11 Gateways 12 Data transfer 13 DCC data services	21 Billing / payment 22 Reporting	16 Data privacy 17 Security & BC 18 Performance mgmt 19 Business processes? 20 Assurance

SEC PROCEDURES

SERVICES CATALOGUE

TECH SPECS	CODES OF PRACTICE	USER REQUIREMENTS		SERVICE LINE SPECS.
Electricity meters Gas meters WAN comms unit IHD HAN connected devices	Meter installation Connection to WAN Connection to HAN	Access authorisation Command scheduling Command processing Event processing (Registration / CoS)	Service accounting Asset accounting (WANCM) Invoicing Reporting	Security reqts Business continuity plan Performance regime Assurance regime

INTERFACE DEFINITIONS

Service request gateway
Output gateway
WAN protocol (DLMS?)
Registration data

BUSINESS PROCESSES

Commissioning new devices PPM top-ups	Customer authorisation of 3rd parties (Registration / CoS)	ECOES / [SCOGES] maintenance Security key management

Indicative approach to prepare for DCC Go Live

Procurement ('competitive dialogue' option)

Contract structure (OGC contract form)

- Terms and conditions
- Schedules

1   Glossary

2.1 Client Requirements (OBS)

Prepared by client - only modified under change control

3   Client Obligations

4.1   Contractor's Solution

5   Software

Submitted with bid and updated after technical design stage

6.1 Implementation Plan

7   Milestones and Pricing Tables

8   Governance and Change Control

9   Key Personnel

V- Model

Smart Energy Code

2.1 Client Requirements
- Business reqts
- Service reqts

4.1 Contractor's Solution

Technical design spec

Module specifications

Specifications

Testing

Testing and Trialling

User Acceptance Testing

Product Integration Testing

System Testing

Unit / Link Testing

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Agenda Item 2

SCOPING THE DCC SERVICES

DCC role
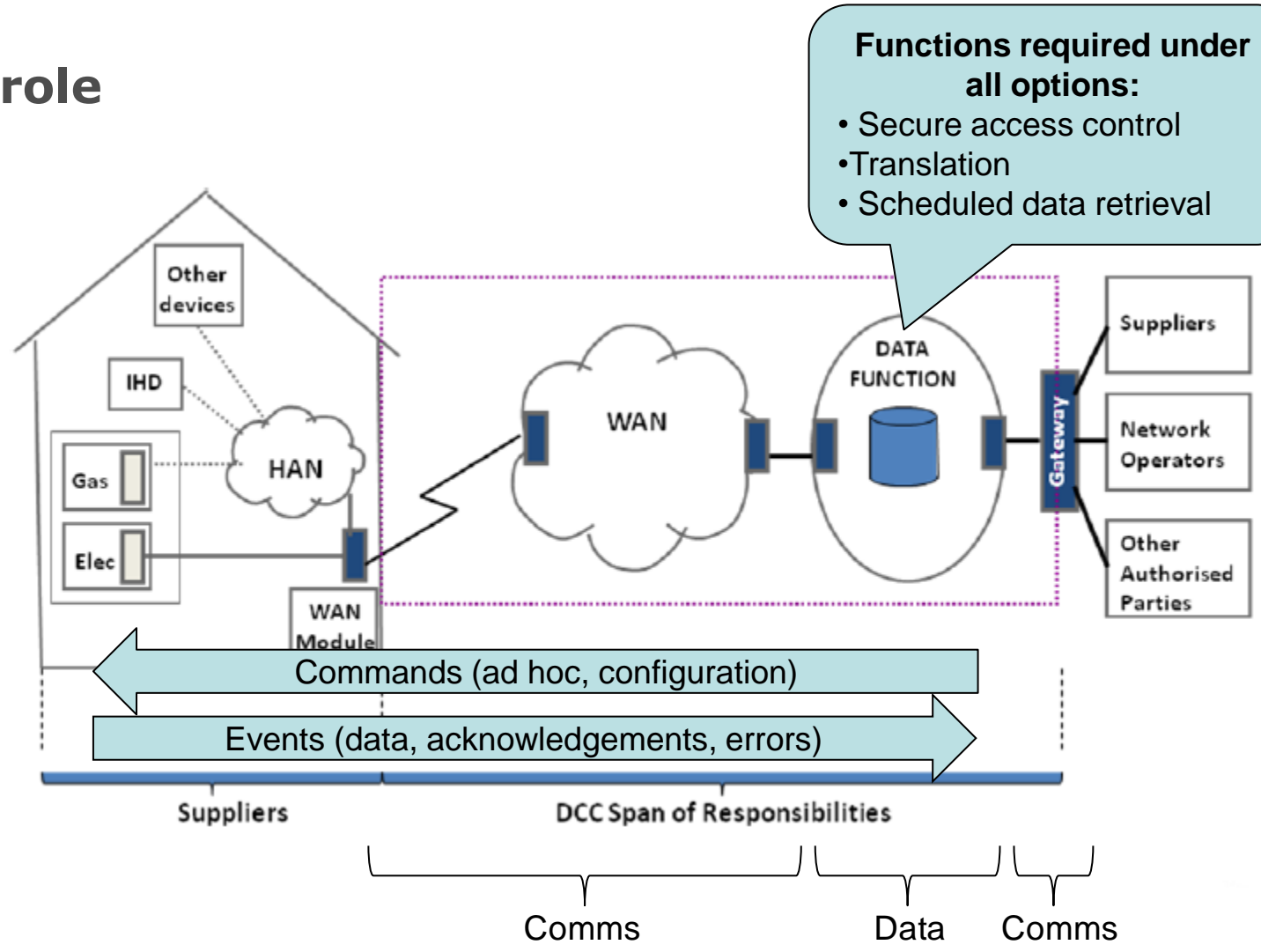
Functions required under all options:
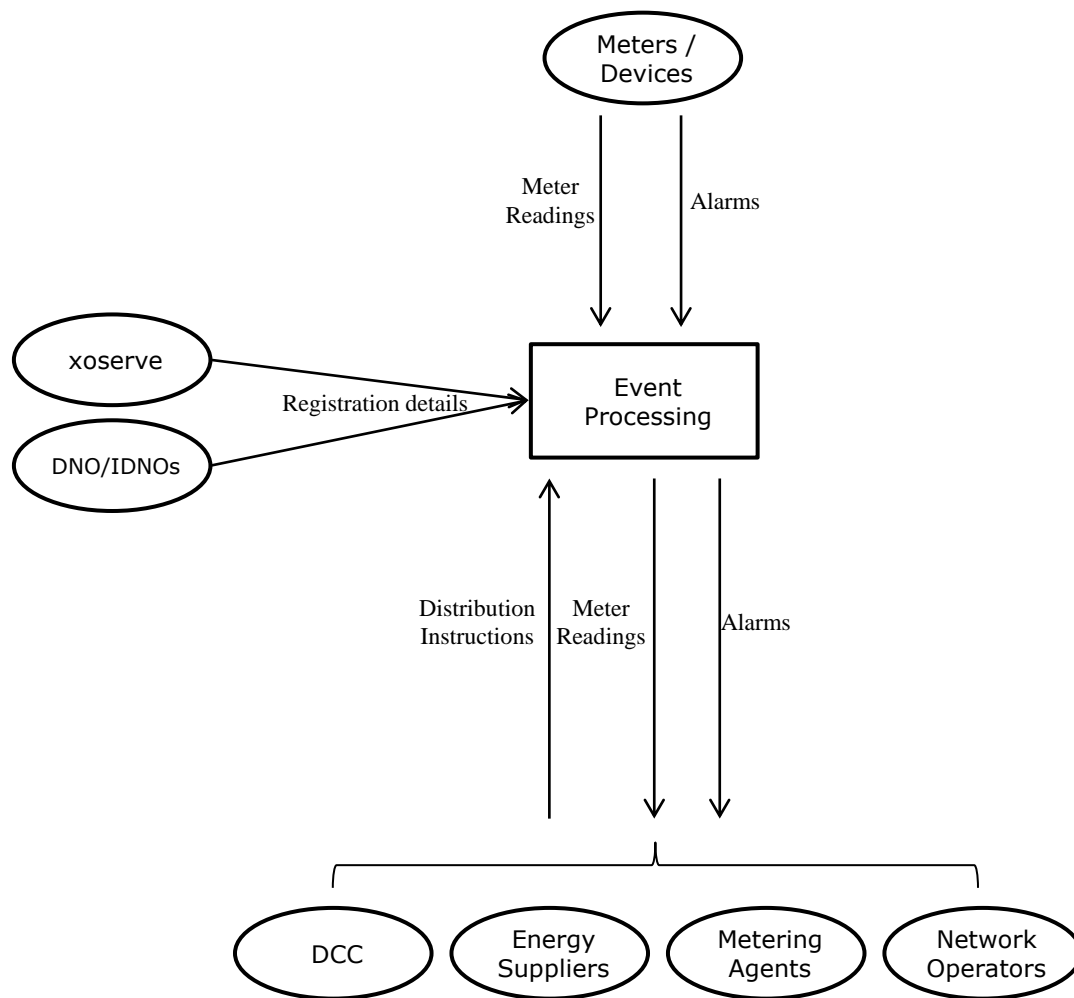• Secure access control
•Translation
• Scheduled data retrieval

1. Service Request Authorisation and Command Scheduling & Processing

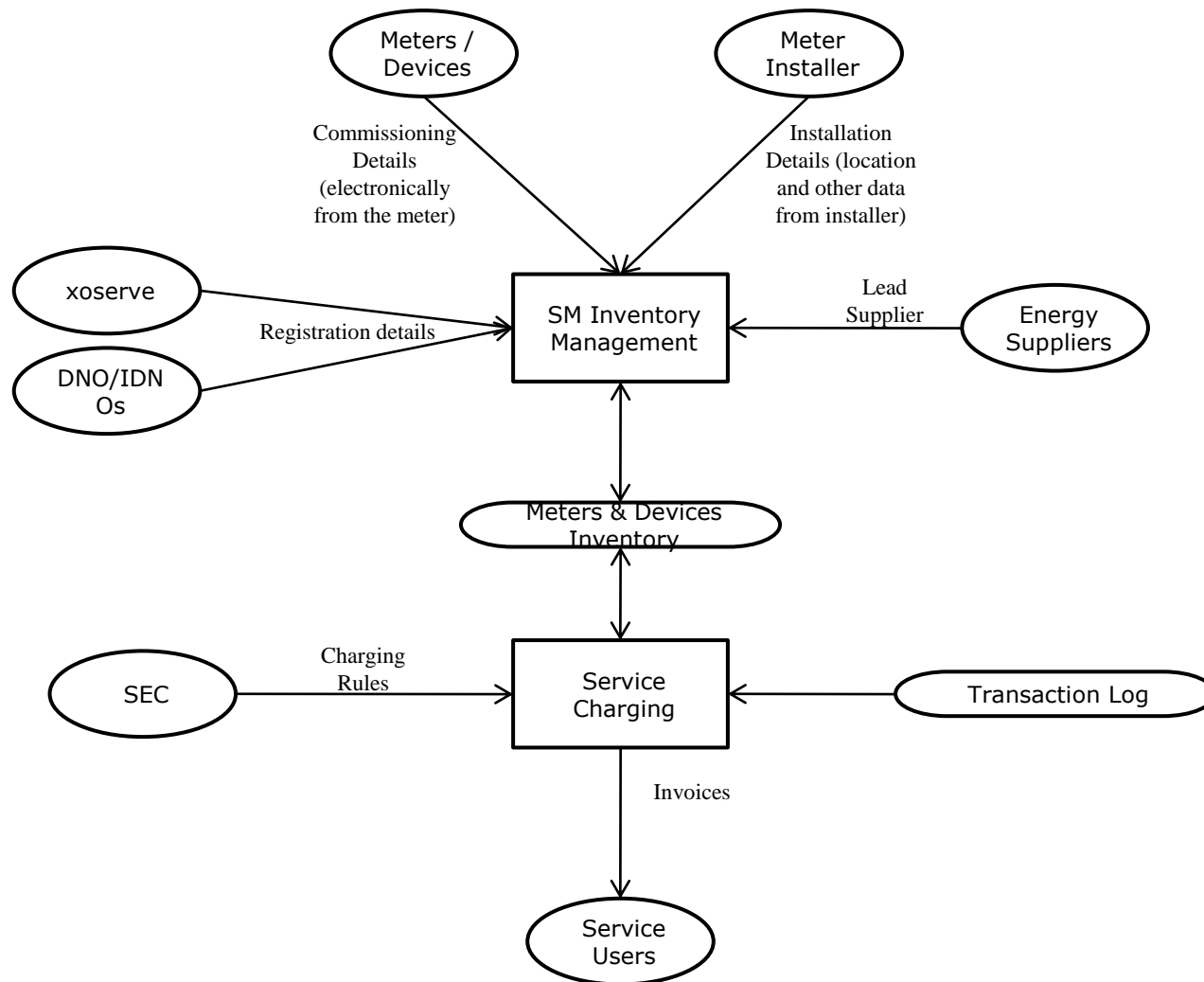Addresses requests to process 'on demand' and configuration commands
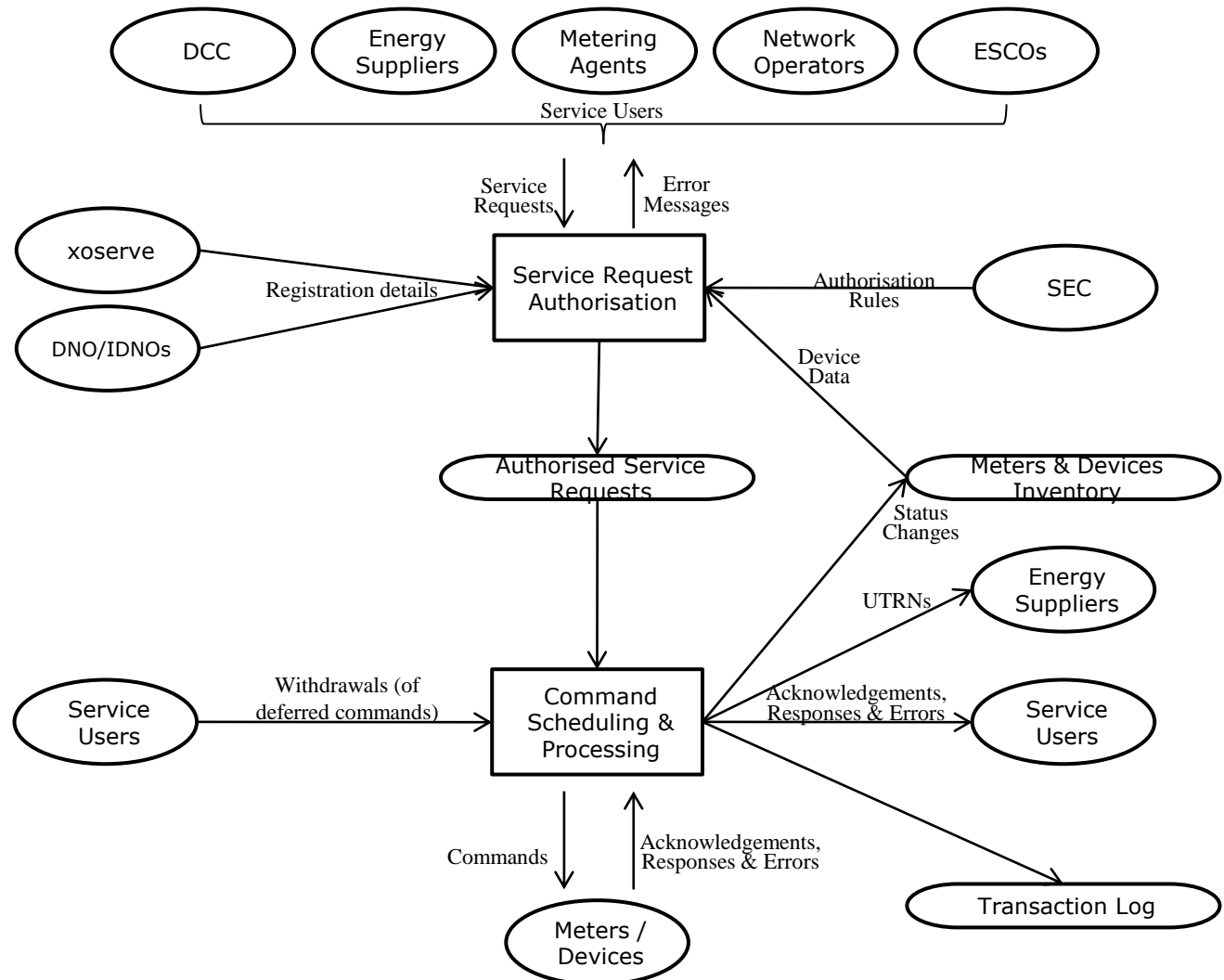
2. Event Processing

Handles messages generated by meters / devices

3. SM Inventory Management and Service Charging

Covers maintenance of SM inventory and raising invoices for DCC services

Time to start working

- What data items does DCC need to access from existing registration systems?

- What data currency is available under current processes?

- What options exist for the provision of registration data to DCC?

Future meetings

- Clarify the service requests that DCC will need to process:
  - What are the services?
  - What responses will be expected (data, acknowledgements, errors)?
  - What events will have to be handled?

- What are the functional areas for which business requirements will need to be specified?

HAPPY CHRISTMAS!