



NETWORKS

Update on Approach to delivery of SMART Retail Market Changes - ReMCoWG

Smart Metering Programme

4th March, 2015



Objective Today



To Provide:

An update on progress on the delivery of Smart Retail Market Changes

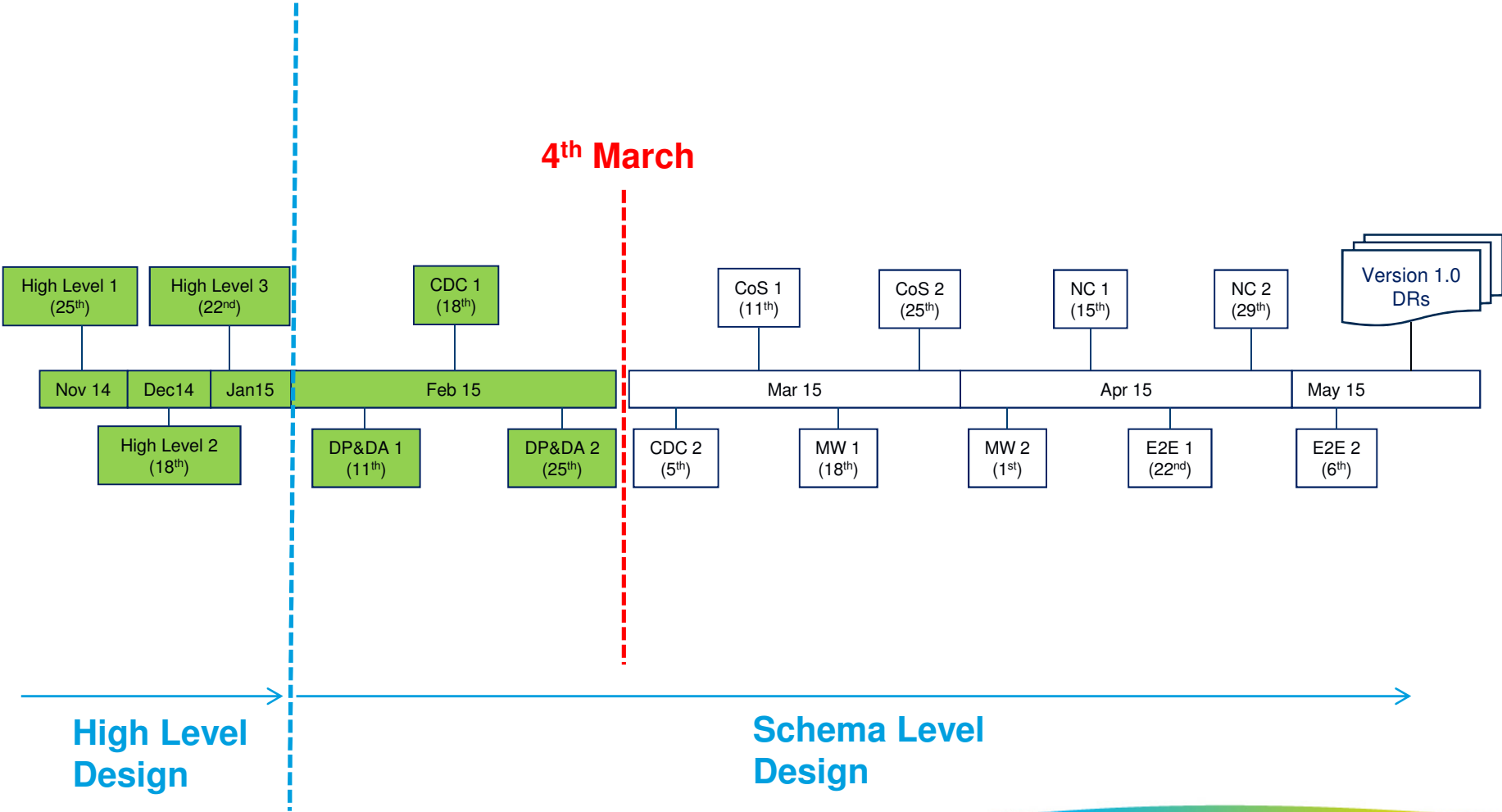
A High Level Overview of Smart Retail Market Changes

Recap High Level Overview of Approach



- **Under Smart Metering Programme, CER has asked ESB Networks to lead industry workshops in 2014/15 to progress this deliverable**
- **‘Business as usual’ approach is not valid**
 - First Major project where changes are required to the Coordinated Baseline
- **Approach reviewed with RMDS**
- **Industry workshops estimated to take 6 months**
 - High Level Design (November’14 – January’15)
 - MPD/Schema Level (February-May)
- **Discussion Request(s)/ Market Change Request(s) submitted to industry change control and governance mechanism in Q2 2015**
 - Exceptional Working Group Meeting to approve Smart Discussion Request(s)
- **‘Status Updates’ for Industry Change Control & Governance Groups**
 - Updates at ReMCoWG Dublin Meetings
- **Output: Market Change Request(s) containing approved schema and retail market changes to the Co-ordinated Baseline supporting SMART Metering**

Status Update - Industry Workshops



Approach to MPD/Schema Level Detail Design Workshops



- **Workshop Process**
 - Detailed Process outlined to ROI & NI Market Participants
 - Workshop Schedule & Key Dates for Inputs & Outputs published
 - On Schedule
- **Workshop Attendance open to ROI & NI Market Participants**
 - Good attendance, active participation & feedback
 - Attendees well prepared as material is published in advance
- **Inputs & Outputs from Workshops published, as per the schedule, on the RMDS private website and available to ROI & NI Market Participants**
 - Discussion Request (DR) material & Market Documentation
 - Collated feedback from Market Participants
- **NI specific**
 - Section in DRs with NI specific impacts
 - NI Input requested for review of DRs
 - Focus on schema/message changes affecting NI
 - Feedback/Questions to ESBN Smart Metering
 - Regular meetings between ESBN & NIE

This overview is based on the work done during the three High Level Design Workshops

This is subject to change as we work through the MPD/Schema level detail design workshops

Schema consists of:

42 existing Market Process Documents – MPDS (Swimlanes)

8 Market Message Guides (word documents 700 pages)

**Meter Registration, Meter Works, Data processing, Data Aggregation,
Customer data and Agreements**

Construction of the messages sent and received

Interpretation of the messages sent and received

Market Messages – 90

Data Items – 213

Data Codes – 1750

Supplementary Information

Briefing Documents – 10

Working Practices – 24

Market Process Diagrams

- 42 existing Market Process Documents – MPDS (Swimlanes)
 - 19 impacted by Smart
 - 2 new MPDs for Meter Works
- Visios and Supporting Documentation and Supplementary Information changed

Process Groups – New Messages

- ❑ 5 New Messages added to existing 90 Messages
 - Data Processing & Data Aggregation
 - 343 SMART Import Interval Meter Daily Readings
 - 345 SMART HH Cumulative Register Readings
 - 322 DUoS Billing Cycle Notification
 - 592 SMART Interval Import Aggregation
 - Customer Data Changes
 - Change of Supplier
 - 102A Change of Supplier Advice Notification
 - Meter Works
 - New Connections
 - DUoS
- ❑ Market Message Guides changed accordingly
- ❑ **New Messages not valid for NI**

5 New Data Items

➤ 5 New Data Items added to existing 213 Data Items

Business Name	Business Data Definition
DUoS Billing Frequency	Duos Billing Frequency is a code that indicates the frequency of Duos billing at the meter point.
Duos Billing Cycle	Duos Billing Cycle Day refers to the day in a 41 working day cycle (ROI) that a Half Hourly meter is due to be Duos Billed.
Smart Non Participation Code	Code to identify Smart Non Participation details as 1) Non Interval Data 2) Non Technical Non Participation 3) Multiple Visits No Access 4) Smart Exchange Deferred
Delete Smart Non Participation Flag	This is a flag indicating whether or not Smart Non Participation details are to be deleted
Comms Technically Feasible	This flag indicates to a supplier the feasibility of the Communications to the Smart meter

New Data Items

New Data Item	Market Message
SmartNonParticipationCode	010
	013
	016
	017
	101
	102
	102P
	105
	114
	102A
DeleteSmartNonParticipationFlag	010
	013
	114

New Data Item	Market Message
CommsTechnicallyFeasible	102
	102P
	105
	114
	331
	332
	332W
DUOSBillingCycle	102A
	101
	101P
	102
	102P
DUoSBillingFrequencyCode	105
	102A
	322
	322

- 5 new Data Items across 15 MMs,
- 2 of which are new MM (102A, 322)
- Other new MMs use existing Data Items
- **New Data Items to be ignored in NI**

New Data Codes

- Approx 34 added to existing 1750 Data Codes
- 2-10 MCC codes
 - MCC12, MCC13...
- 21 other new codes relating to
 - Smart Non Participation (CoS, CoCD, Meter Works)
 - De-energisation and Re-energisation (Meter Works)
 - Register Types (Data Processing and Data Aggregation)
 - Reject Reasons (CoS, CoCD, DP and DA)
- 2 existing with new use on existing MM
- 2 new codes on new MM (322)
- 2 Description amends
- 2 codes changed to 'not valid'
- 1 changed to 'not valid' for ROI only

New Data Codes

Data Item	Code Value	Code Value Description	Valid in ROI?	Valid in NI?
CoS Read Arrangement	MC	Meter Change	No	Yes
Delay Reason	DE03	Application Form required	Yes	No
Reject Reason	DIJ	Data Invalid for Jurisdiction	Yes	Yes
Meter Configuration Code	MCC12	HH1CH_1CR_IP	Yes	No
Meter Configuration Code	MCC13	HH2CH_2CR_IPW	Yes	No
Meter Point Status	DR	De-energised Remote	Yes	No
Meter Point Status Reason	D04	De-Energise Customer works	Yes	No
Meter Point Status Reason	D05	De-Energise (HH Prepayment)	Yes	No
Meter Point Status Reason	E05	Re-energise (HH PrePayment)	Yes	No
Meter Works Type	M16	MCC change (HH)	Yes	No
No Read Code	98	Comms not available	Yes	No
Register Type	70	Import HH kW	Yes	No
Register Type	71	Import HH kVAh	Yes	No
Register Type	74	Import 24hr Kwh	Yes	No
Register Type	75	Import 24hr kVAh	Yes	No
Reject Reason	IID	Invalid/Incomplete data	Yes	Yes
Reject Reason	IM	Interval Meter Point	Yes	No
Reject Reason	MIC	MIC Change detected	Yes	No
Reject Reason	NQE	Not Interval QH Eligible	Yes	No
Reject Reason	QHM	QH Interval Meter Point	Yes	No
Reject Reason	IRI	Invalid Request Half Hourly site	Yes	No
Reject Reason	RIR	Remote Site Invalid Read	Yes	No
Reject Reason	SNP	Smart Non Participation details invalid	Yes	No
DUoSBillingFrequencyCode	B	Bi-monthly	Yes	No
DUoSBillingFrequencyCode	M	Monthly	Yes	No
SmartNonParticipationCode	01	Non Interval Data	Yes	No
SmartNonParticipationCode	02	Non Technical Non Participation	Yes	No
SmartNonParticipationCode	03	Multiple Visits No Access	Yes	No
SmartNonParticipationCode	04	Smart Meter Exchange Deferred	Yes	No
Metering Interval	15	15 minutes	Yes	No
Metering Interval	30	30 minutes	Yes	Yes
Metering Interval	24	24 hours	Yes	No
Outcome Reason		tbc	Yes	No
Work Type Code		tbc	Yes	No
Observation Code		tbc	Yes	No

- NI to use **DIJ** for new codes not relevant to NI
- **Metering Interval** to be codified
 - 15
 - 30
 - 24

- Briefing Documents 10
- Reviewed and amended:
 - aggregation-briefing-document
 - estimation-of-non-interval-meter-readings
 - MIG document_Supplier Billing Invoicing
 - meter-configuration-code-guidance-notes
- No Working Practices changed
- New Working Practices may be added

Questions

