Comparison of communications options

Examples of Communications Options

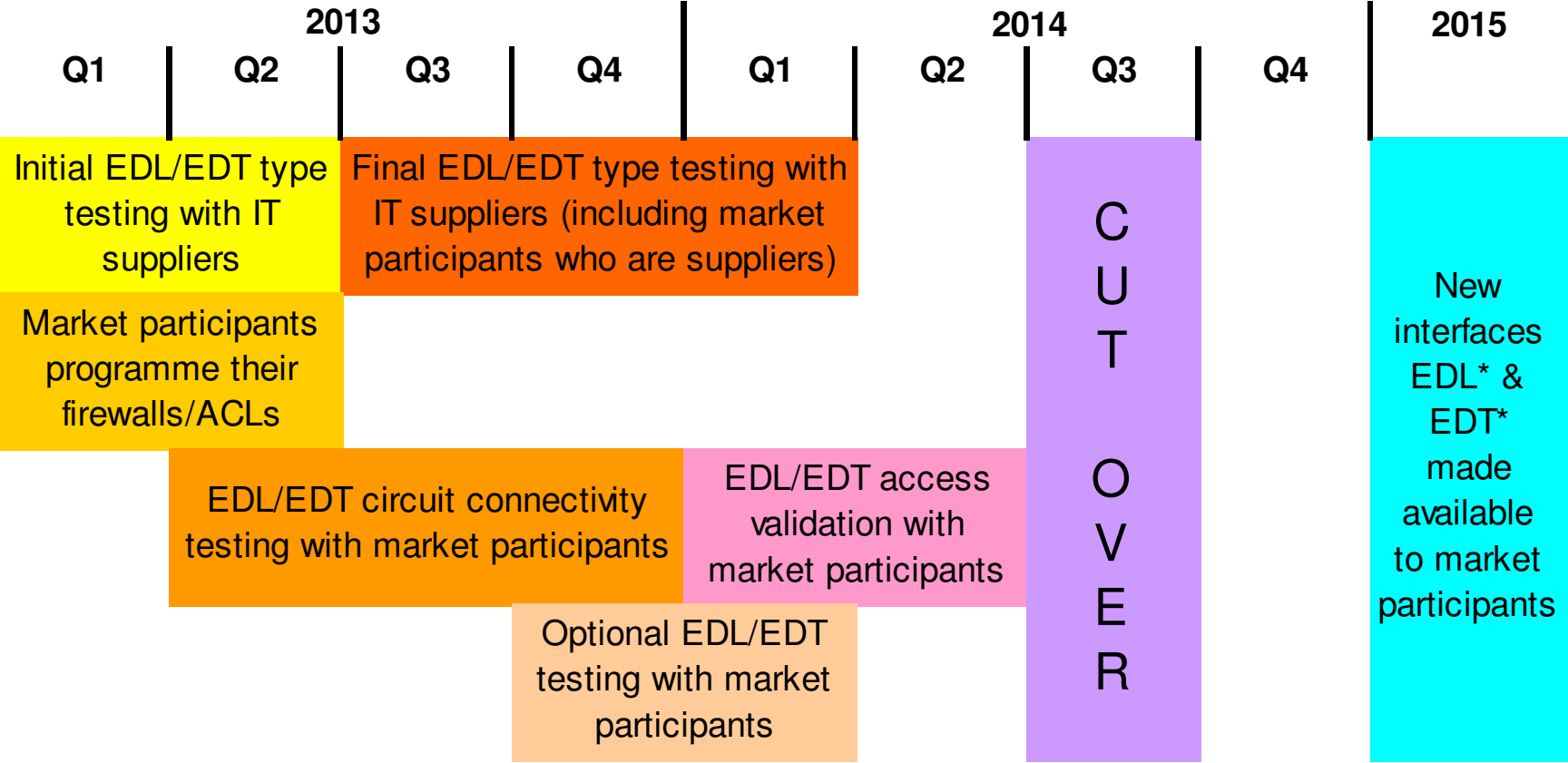| Type	Capacity	From/To	Initial Cost	Annual Cost
ADSL	10MB	100 miles within GB	c.£1000	c.£1500
MPLS	10MB	100 miles within GB	c.£3100	c.£14700
MPLS	10MB	GB to/from Central Europe	c.£4900	c.£21200

Update on timescales

Robert Paterson

Project Re-Plan

- There have been issues with the early deliverables from the project

- This has prompted a re-plan

- The new plan includes a much longer period of parallel running with replicated production data

  - To ensure system behaviour and availability is as required before putting it into production

- We will circulate a revised Existing Interfaces plan in due course

New High-Level Timescales

	2013					2014		2015
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	

Initial EDL/EDT type testing with IT suppliers

Final EDL/EDT type testing with IT suppliers (including market participants who are suppliers)

Market participants programme their firewalls/ACLs

EDL/EDT circuit connectivity testing with market participants

EDL/EDT access validation with market participants

Optional EDL/EDT testing with market participants

CUT OVER

New interfaces EDL* & EDT* made available to market participants

Update on External Testing

David Uzzell

Type Testing Issue - EDL

- One issue with EDL is that some low-level acknowledgement messages are not present

  - These are the REF messages associated with pumped storage telemetry (only sent by Welsh stations)

- A fix has been produced for this

  - We'll shortly have it installed

  - Then will re-test

- There is an issue with another EDL client

  - Being investigated

  - Could be associated with a different set of low-level messages

Type Testing Issue - EDT

- DIR and Is commands on EBS produce different responses to those from the existing BM System

- The DIR and Is commands are being modified such that they produce a similar output to that produced by the BM System

- Once we've got the fix, we'll re-test with those client systems affected

Circuit connectivity testing

Proxy

- The proxy is in place at one of our sites

- Work is in progress to install it at the other site

NAT rules

- Awaiting programming of NAT rules on the external routers at one of our sites

Circuit Connectivity Testing

- At the moment can perform circuit connectivity tests on the main EDL & EDT routes that terminate at one of our sites

- Once the work at the other site is complete, then we will be able to progress the full range of circuit connectivity testing

Disabling BM EDT Accounts & Use of DNS

Pete Smith

EBS Transition Proposals
Enabling & Disabling EDT FTP Accounts

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Here's our proposals – let us know what you think?

- EDT FTP accounts on EBS will not be enabled until EDT transition from BM to EBS can start

- EDT transition for TAs will follow an agreed schedule

- EDT transition for a TA will be considered successful once one submission has been made to and been processed on EBS

- As soon as transition for a TA is successful, we propose disabling the associated FTP account on BM

- Re-enabling submissions on BM would be considered an extraordinary event requiring resetting sequence numbers

- EDT FTP accounts on BM will not be removed until 1) All EDT migration is complete 2) Continued EBS operation is assured

EBS – Use of DNS

- Use of DNS for BM is actively encouraged – it enables identification of the operational server

- National Grid DNS servers (3) are presented to Participants to resolve the BM DNS name

- The operational EBS server will always be located using a single virtual address for EDT

- A new DNS service will be made available for EBS via a single virtual address (different to the one for EDT)

- Use of DNS is now of marginal benefit

- National Grid's proposal is that if Participants wish to use DNS for EBS they should use the new DNS service from the point of EDT transition

  - Rather than the complexity of either allowing the existing DNS servers to direct traffic to EBS

  - Or use the new DNS service to direct traffic to the BM System

- Will update market participant access document to include production and test DNS names and virtual ip addresses

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Communications Update

Jane Oates

EBS Communication Strategy – External Parties

Project Plan takes account of the Communication Strategy

- **Newsletter to Industry** published to:
    - EBS Working Groups
    - EBS Webpage
- In future will be published 3 times a year working round timetable for working group meetings
- Provides high level overview of project, specific to impacts on industry.
    - e.g. 2nd newsletter, which will be published by the end of June, will give high level comparison between
        - Legacy Market Participant interfaces
        - New Market Participant interfaces
- **EBS Webpage**

    http://www.nationalgrid.com/uk/Electricity/Codes/gridcode/workinggroups/EBS+IT+Subgroup/

    - Easy access to information related to EBS – historic and current
    - Links to Working Groups web pages – minutes, presentations
    - Frequently Asked Questions (FAQs)

EBS Communication Strategy – External Parties

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- Maintaining industry contacts list to provide Bulletins via e-mail to provide:

    - Updates on progress and status as we near Go-Live

    - Strategy for Transition and Cutover to include:

        - Support process

        - Key contact numbers

        - Actions required

    - Industry list will include technical contacts

        - Need updates from External Parties to support National Grid in maintaining this list