EBS - IT

16th June 2015

Holiday Inn, Winnersh

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Agenda

- **1 Introduction**

- **2 Previous meeting (minutes and review of actions)**

- **3 Programme Update**

- **4 Industry Testing update**

- **5 Transition plan**

- **6 Industry Consultation**

- **7 Closure (Any Other Business, date of next meeting)**

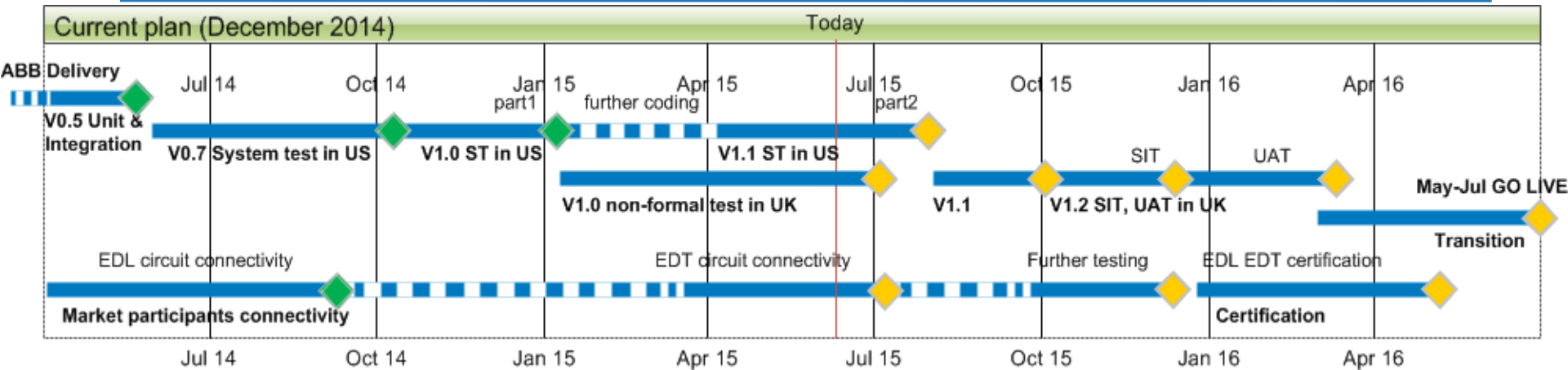# 1. Housekeeping

2. Previous meeting

- Comments to minutes

    EBS IT Minutes – Meeting 12 – ...

- Review of actions

    EBS IT Actions – eting 12 - 10 Marcl
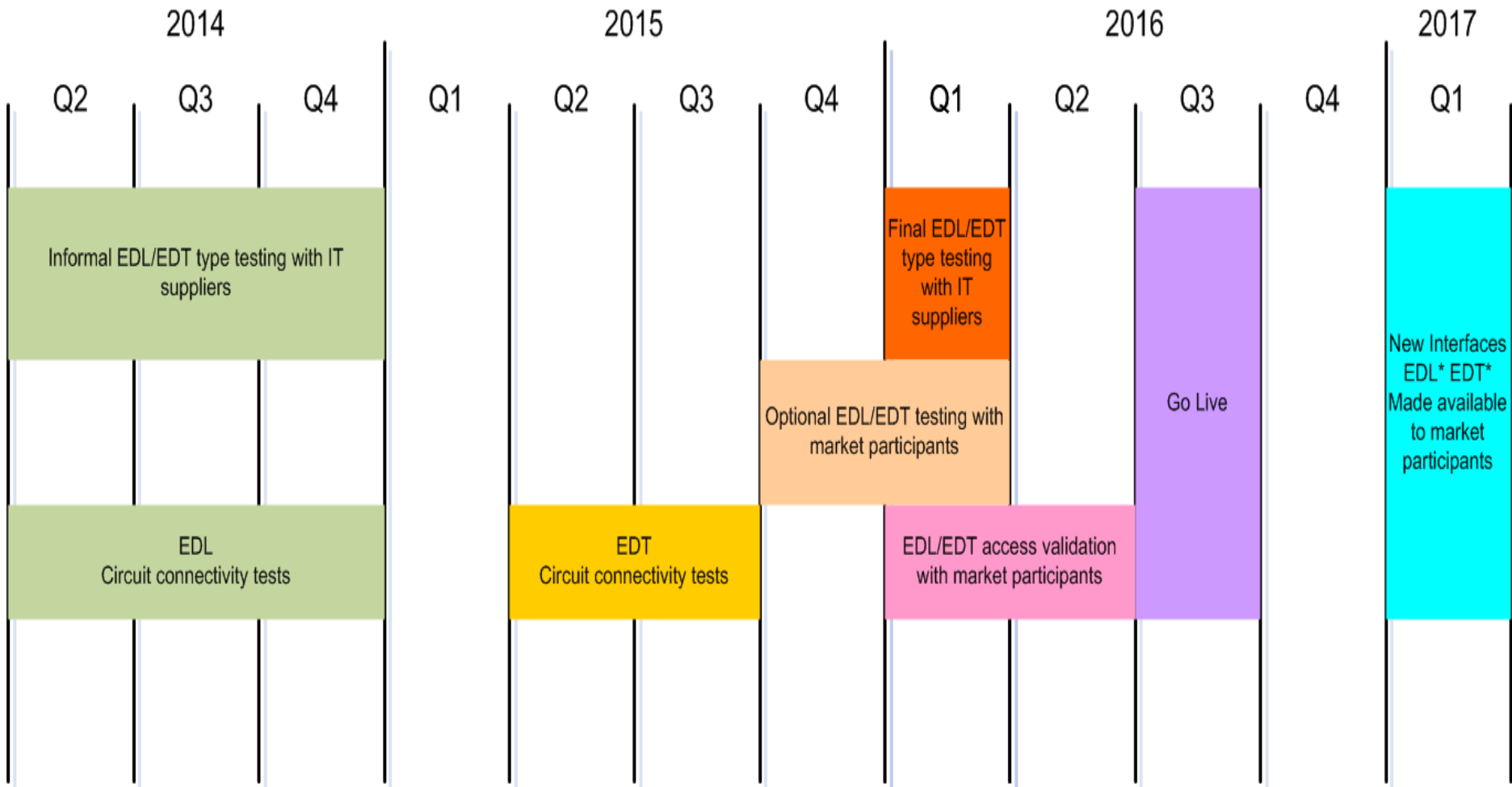
3. EBS Programme Update

- Factory testing nearly completed (6 weeks to go)

- Informal testing – good results

- Finalising plan for on site testing

- External testing ongoing

4 – Industry Testing Update

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Sarvesh Kumar

High-Level Timescales

Type Test Progress

- Initial EDT and EDL type tests are complete

- EDT and EDL defects identified and have been fixed

- And have re-tested them with some of the suppliers affected

- Resilience tests covering non functional aspects of EBS is in progress within National Grid

- Test scripts to cover resilience tests circulated

Update on Circuit Connectivity Tests

<u>EDL connectivity</u>

■ Formal EDL circuit connectivity tests with Market Participants complete.

■ Generally successful, with few observations noted

<u>EDT connectivity</u>

■ National Grid network changes for EBS proxies and Load balancers are complete

■ Formal EDT circuit connectivity tests with Market Participants are in progress

■ The first test schedule was generally successful with minor issue on the National Grid Warwick proxy

Firewall and ACL changes

- Market Participants will only have one target FTP IP address for production and one target IP address for test to submit EDT files and pick up acknowledgement files.

- Incoming FTP connection from Market Participants will be routed by a proxy into the EBS network to the correct EBS FTP servers.

- Market Participants programming firewall + ACL for EDT connections

    - 50% have confirmed complete

Next Steps

- Continue informal type-testing as required

    - Confirm defects fixed

    - Ad-hoc testing

- Preparation for type-testing with a resilient EBS environment

- Include an additional test case to assess the impact of multiple instructions from EBS

- Need confirmation from Market Participants their firewall and ACL changes are complete

- Progress circuit connectivity tests with Market Participants

Summary of MP Testing Plan

EDL Milestone Description	Date	Status
National Grid network changes	Q1 2014	completed
Functional Test of EBS EDL	Q1 2014	completed
Initial Type Test executions with IT Suppliers	Q2 2014	completed
Identified defects fixed	Q2 2014	completed
EDL Circuit Connectivity Test with Market Participants	Q3 2014	completed
Re-test of defects for Type Test with IT Suppliers	Q4 2015	
Optional testing with Market Participants	Q4 2015	
Formal Type Test (including NFT) with IT Suppliers	Q1 2016	

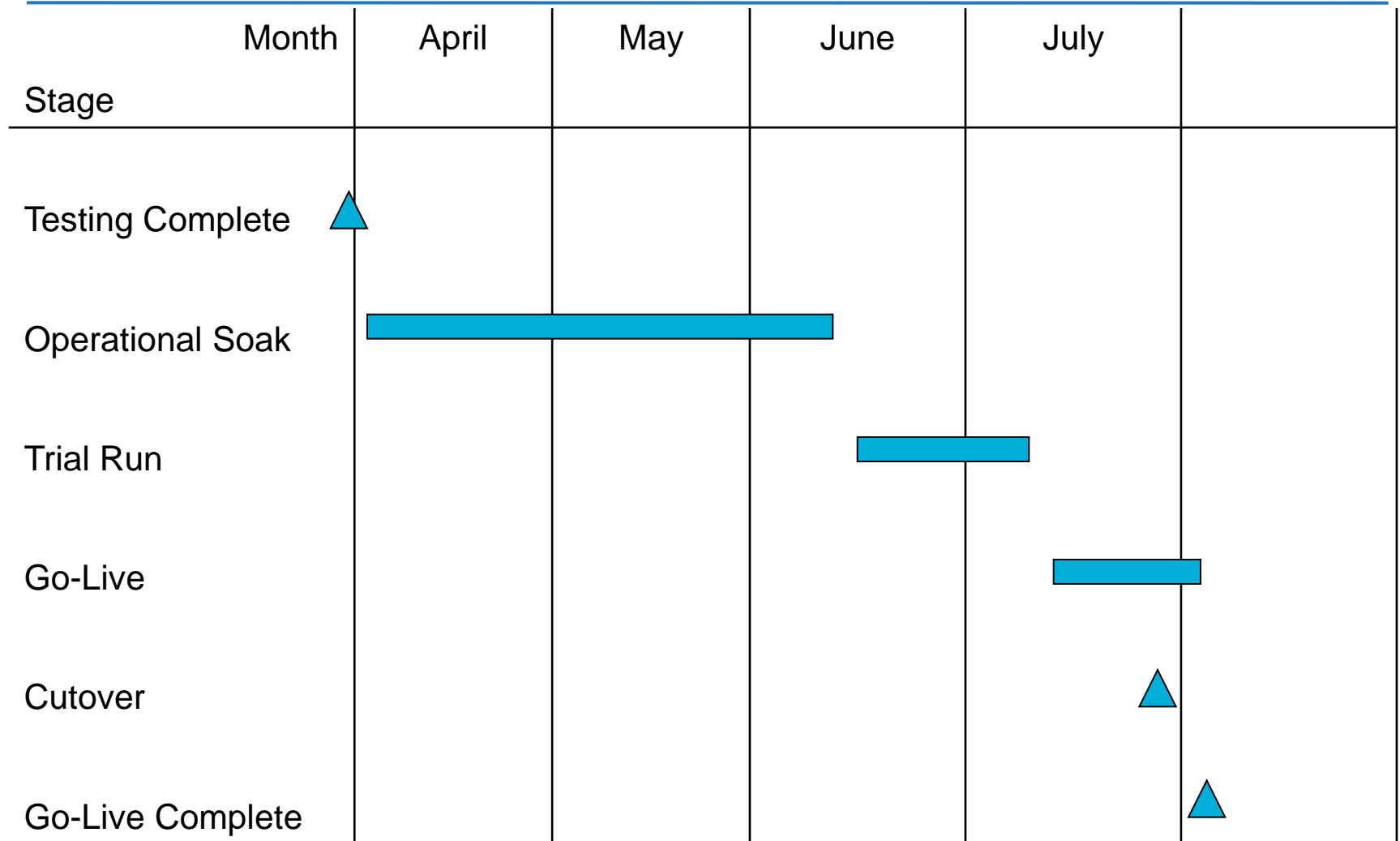| EDT Milestone Description	Date	Status
Functional Test EBS EDT	Q1 2014	completed
Initial Type Test executions with IT Suppliers	Q2 2014	completed
Identified defects fixed	Q3 2014	completed
National Grid network changes for EBS Proxies and Load balancer	Q1 2015	completed
Initiate EDT Circuit Connectivity test	Q2 2015	completed
EDT Circuit Connectivity Test with Market Participants	Q3 2015	In Progress
Re-test of defects for Type Test with IT Suppliers	Q4 2015	
Optional testing with Market Participants	Q4 2015	
Agree Transition plan BM to EBS changeover	Q4 2015	
Formal Type Test (including NFT) with IT Suppliers	Q1 2016	

Summary of MP Testing Plan

EDL*/EDT* Milestones	Due Date	Status
Data Validation, Defaulting and Consistency Rules document supporting EDL*/EDT*	Q2 2013	completed
Approve ELEXON P297 (Receipt and Publication of New and Revised Dynamic Data Items)	Q1 2014	completed
Draft EDL*/EDT* toolkit circulated to IT Suppliers and Market Participants.	Q2 2014	completed
Establish IT Supplier's access (VPN over internet)	Q4 2015	
Functional Test EBS EDL*/EDT*	Q4 2015	
Final EDL*/EDT* toolkit circulated to IT Suppliers and Market Participants	Q1 2016	
Support IT Suppliers Development and Unit Test for EDL*/EDT*	Q2 2016	
Agree implementation plan for EDL*/EDT*	Q2 2016	
Formal Type Test (including NFT) with IT Suppliers	Q3 2016	
Implement ELEXON P297 (Receipt and Publication of New and Revised Dynamic Data Items)	Q4 2016	
Start changeover of Market Participant's systems to EDL*/EDT*	Q1 2017	

5 – Transition

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Ben Carter

Operational Soak

- Continuous Uninterrupted Operation

- EDT Access Validation

- EDL Access Validation

Operational Soak – EDT Access Validation

- Access from participant production EDT application servers to target EBS production servers

- Three designated periods

- NG support available

Operational Soak – EDL Access Validation

- EDL Access Validation:

    - BM System EDL deactivated

    - EBS will connect to EDL Control Points

    - No Instructions or Redecs

    - EBS EDL deactivated

    - BM System EDL reactivated

- Assess & resolve issues post-event

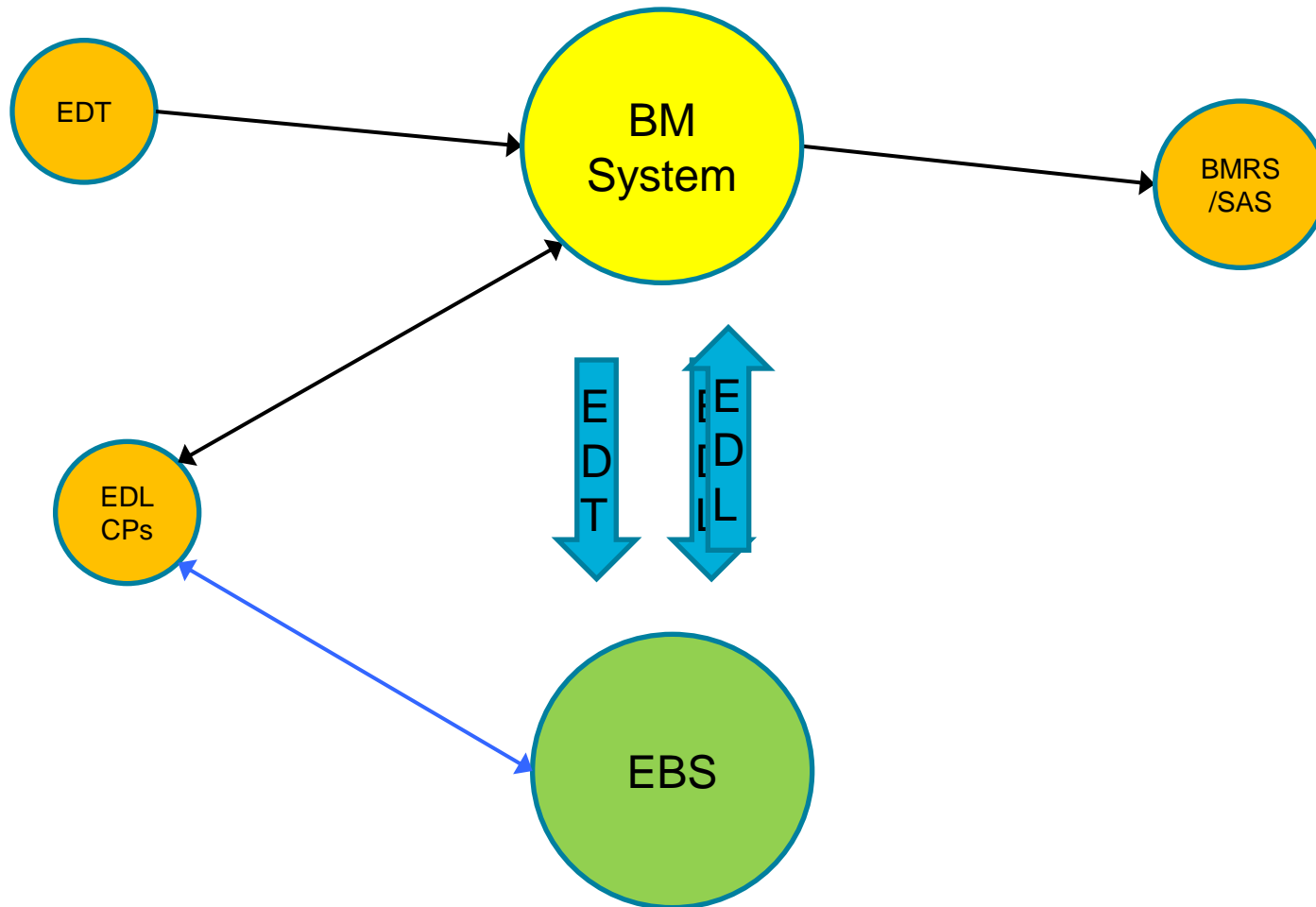- Three validation exercises

Trial Run
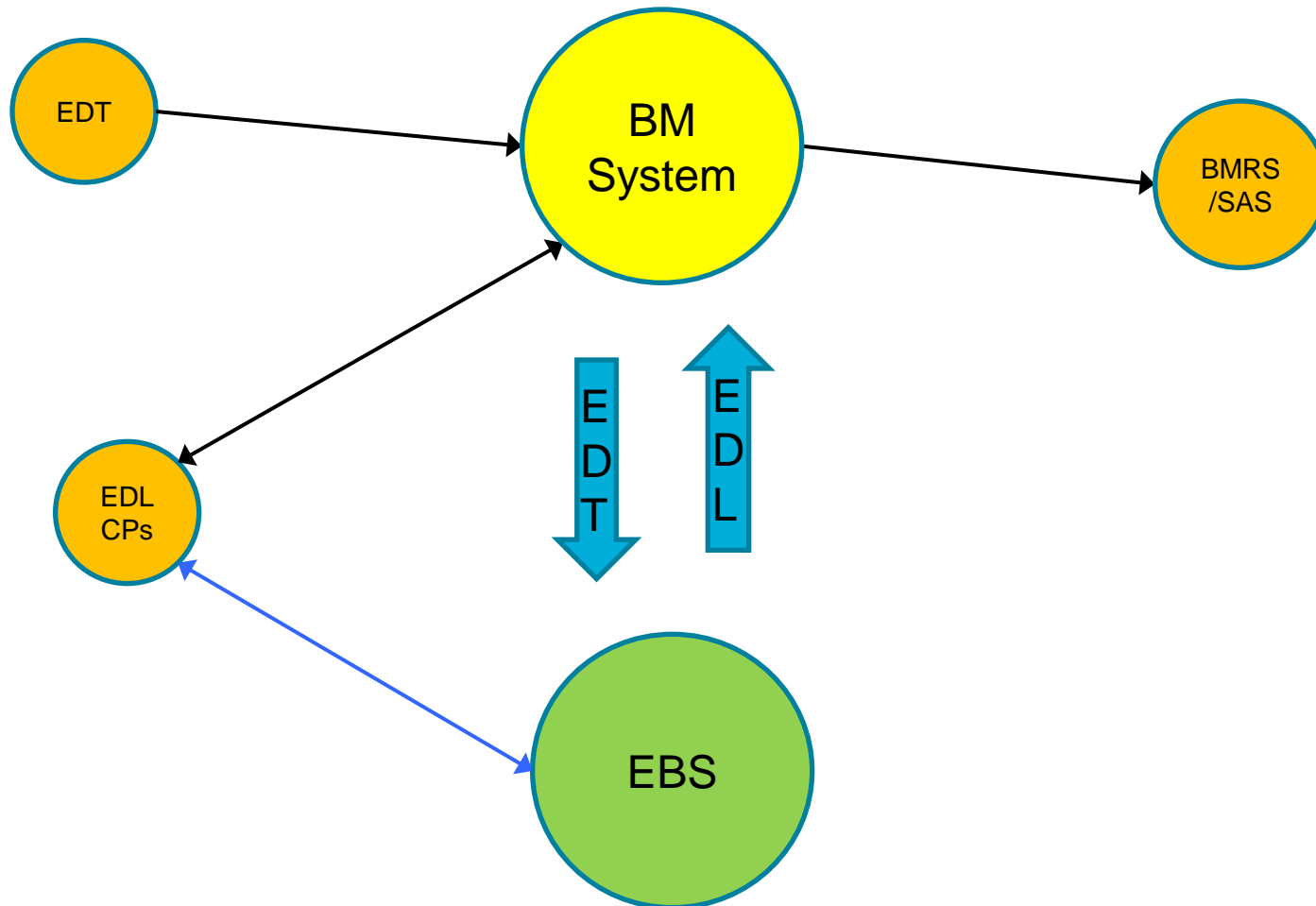
- Aim

  - Confirm stability of Resource Despatch

- Method

  - Exercise EBS Resource Despatch and EDL against Power System

  - BM System continues to be Master Production system

RD/EDL Trial

RD/EDL Trial

Trial Run

- A number of RD/EDL Trials

- Lead up to Go-Live

6. Consultation launches

- Insert document here

  EBS Transition – Consultation

- Launches today

- Responses by 31st July

- Conclusions to be discussed next EBS IT meeting

- Mention EBS group changes

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7. Closure

- Date of next meeting

- AOB