Balancing Transformation - Optimisation Stakeholder Group Meeting 1

5 June 2023

Emmanouil Loukarakis, Optimisation Manager, Balancing Transformation

Bernie Dolan, Principal Product Manager, Balancing Transformation

ESO

Agenda

10:00   Greetings, logistics and Introductions

- *Given this is the first meeting it would be useful for everyone to introduce themselves: Name, Position, Organisation*

- *Please note – we are hoping to record this session*

10:20   Terms of Reference

- *Quick walk-through (Bernie)*

- *Feedback from the group via Mural (all)*

- *Short summary of comments (Bernie)*

10:40 Quick review of overall End-2-End process for Bulk Dispatch

- *Process (ESO)*

- *Q&A via Teams Chat (All)*

11:00   What outputs do we want from this Group going forward?

- *Capture ideas using Mural (all)*

- *Quick summary (Bernie)*

11:20 AOB

Close

ESO

Aims for today

- Make sure we all know what we want from this group
- Agree Terms of Reference
- Give overview of Bulk Dispatch Optimiser (BDO)
- Establish Ways of Working for future meetings

ESO

Greetings, logistics and introductions

Logistics

- Hope to use Mural for feedback today and Teams Chat for questions

- We would like to record this session

Introductions

- Can everyone give
  - Name, position, organisation

ESO

Review Terms of Reference

Terms of Reference

Review

- High level overview
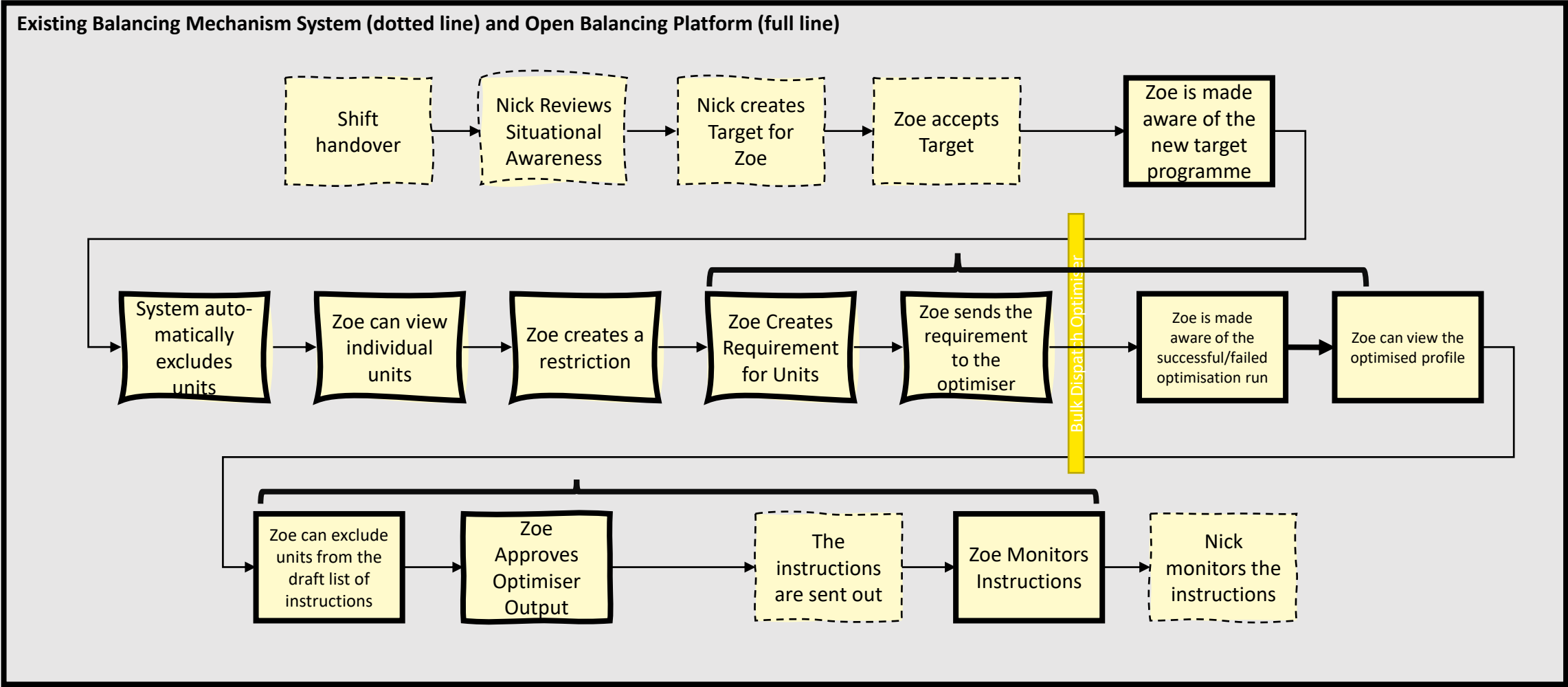
- Please provide feedback via Mural

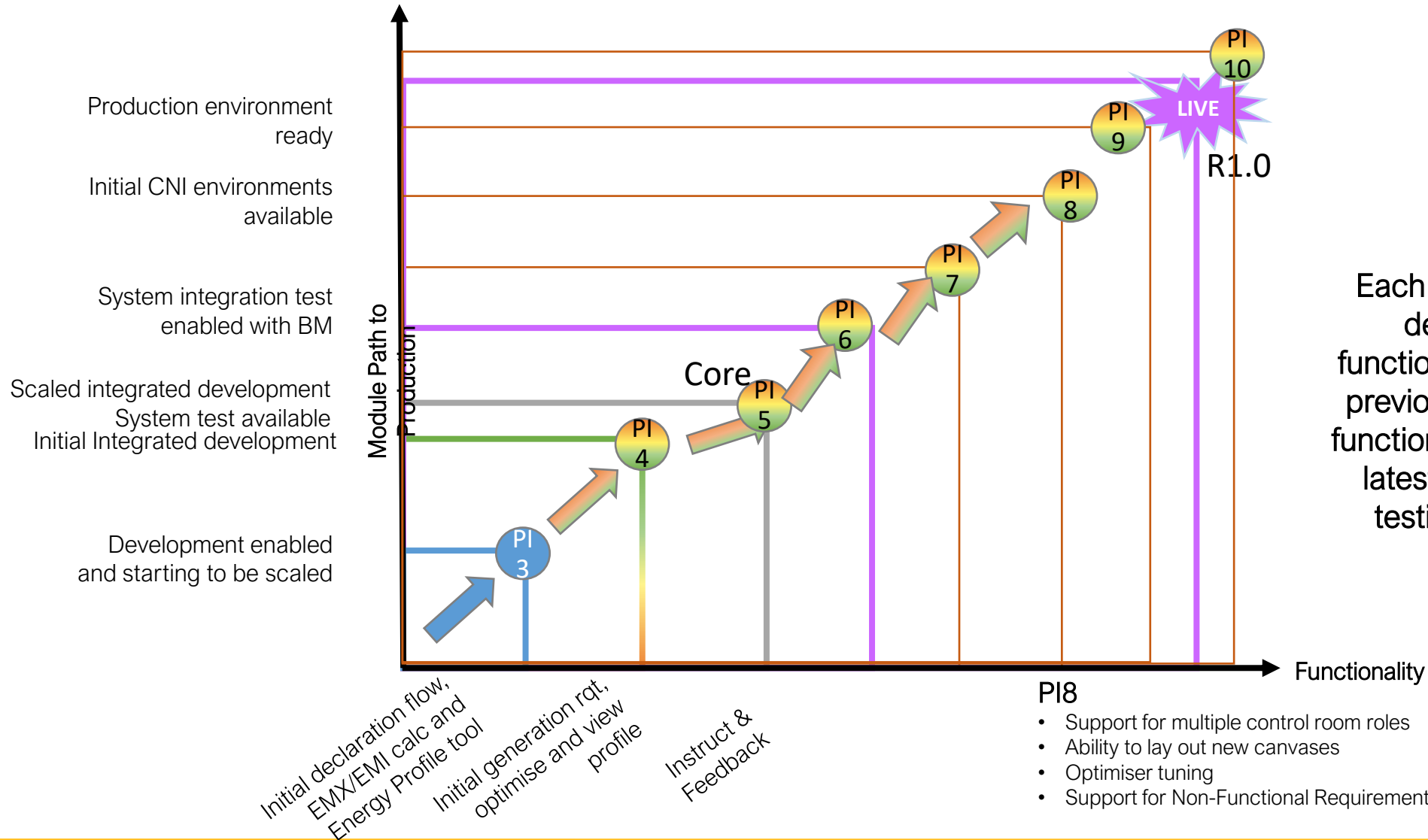[Balancing Transformation - Optimiser Stakeholder Group • National Grid GRP (mural.co)](#)

- Summarise

High level view of overall process

Storyboard Schematic (Release 1.0)

Existing Balancing Mechanism System (dotted line) and Open Balancing Platform (full line)

Shift handover → Nick Reviews Situational Awareness → Nick creates Target for Zoe → Zoe accepts Target → Zoe is made aware of the new target programme

System auto-matically excludes units → Zoe can view individual units → Zoe creates a restriction → Zoe Creates Requirement for Units → Zoe sends the requirement to the optimiser → Bulk Dispatch Optimiser → Zoe is made aware of the successful/failed optimisation run → Zoe can view the optimised profile

Zoe can exclude units from the draft list of instructions → Zoe Approves Optimiser Output → The instructions are sent out → Zoe Monitors Instructions → Nick monitors the instructions

ESO

PI7 Complete, Started PI8

Module Path to Production

Functionality

- Production environment ready
- Initial CNI environments available
- System integration test enabled with BM
- Scaled integrated development
- System test available
- Initial Integrated development
- Development enabled and starting to be scaled

PI 3
PI 4
PI 5 — Core
PI 6
PI 7
PI 8
PI 9
PI 10
LIVE
R1.0

Initial declaration flow, EMX/EMI calc and Energy Profile tool

Initial generation rqt, optimise and view profile

Instruct & Feedback

Each PI will need to develop new functionality and bring previously developed functionality in line with latest DevOps and testing capability

PI8
- Support for multiple control room roles
- Ability to lay out new canvases
- Optimiser tuning
- Support for Non-Functional Requirements

ESO

What outputs do we want from the group going forward

ESO

We need your input

Mural board

• Please use post-its to capture your ideas

• Balancing Transformation - Optimiser Stakeholder Group • National Grid GRP (mural.co)

Documents?

Demos?

Testing?

Workshops?

How to capture observations?

ESO

AOB

Thank You for your attendance

ESO