Date: 30/11/2017

Item: Intelligent Gatelines – Engineering increased Capacity

Summary

1. This paper seeks endorsement for Technology & Data to formally work on and support the OneEngineering led "Intelligent Gatelines" project, ensuring development, alignment and initial validation of their T&D product roadmap.

Background

2. This project is currently being delivered by OneEngineering for an internal stations interchange and upgrade sponsor. OneEngineering are working with Cubic, University of Portsmouth and Arriva.

3. The intelligent gatelines project will develop and demonstrate a gateline that is capable of automatically self-reconfiguring in order to maximise peak throughput and manage average throughput to prevent station overcrowding.

4. This may lead to deferred capital spend for capacity related upgrades. Currently, lab development and a non-operational trial are planned to inform the business benefits that may arise during any operational trial.

Actions requiring endorsement

5. The Engineering lead and T&D product manager are already working closely and have identified the following business / cost savings opportunities requiring collaborative working and endorsement from both OneEngineering and T&D:

   a. T&D to formulate and identify elements of their product roadmap to include in a new extended OneEngineering trial scope.

   b. T&D endorsement and enabling activities during an non-operational trial. This will provide initial validation for the product roadmap benefits.

   c. T&D endorsement and enabling activities during an operational trial. This will provide initial validation for the product roadmap benefits.

OneEngineering contact: Mark Bush ▮▮▮▮▮▮▮▮@tfl.gov.uk)

T&D contact: Steve Bulley (▮▮▮▮▮▮▮▮@tfl.gov.uk)