Customer Services

TRANSNET freight rail

RESOURCE SCHEDULING SYSTEM FOR TRANSNET FREIGHT RAIL COAL TRAFFIC

Briefing Session

Introduction

- Expert requirement
  - Optimised solution
  - Real time deviation management
- Why?
  - Small impact; big return: The 1 hour effect.

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Problem Statement

- TFR – Scheduled Railway
- The coal system
  - Export
  - Domestic

COAL EXPORT SYSTEM

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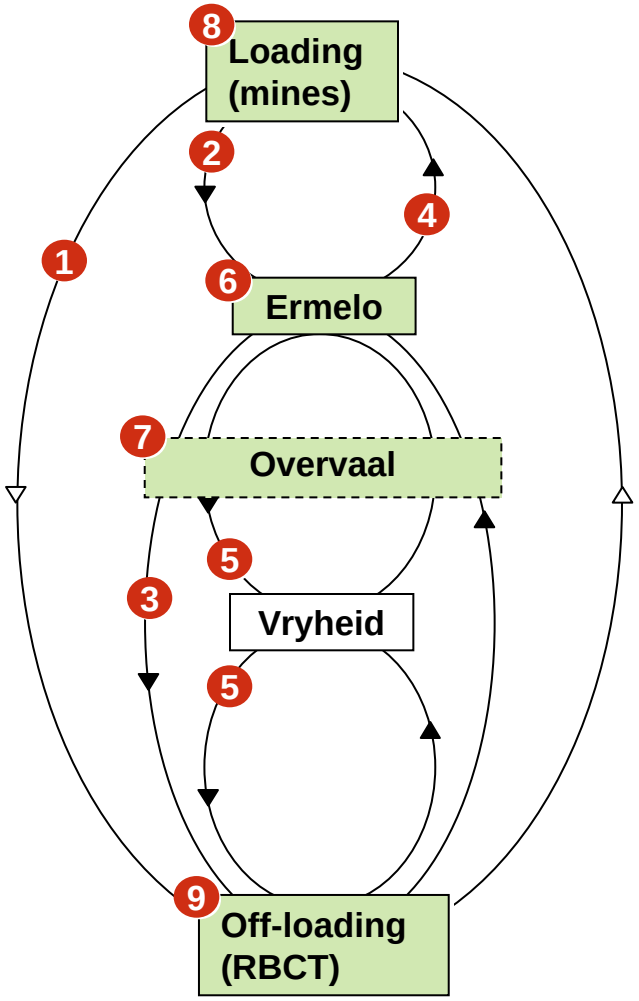
Decomposition into subsystems



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EXPORT COAL LOADING SITES NORTH OF ERMELO

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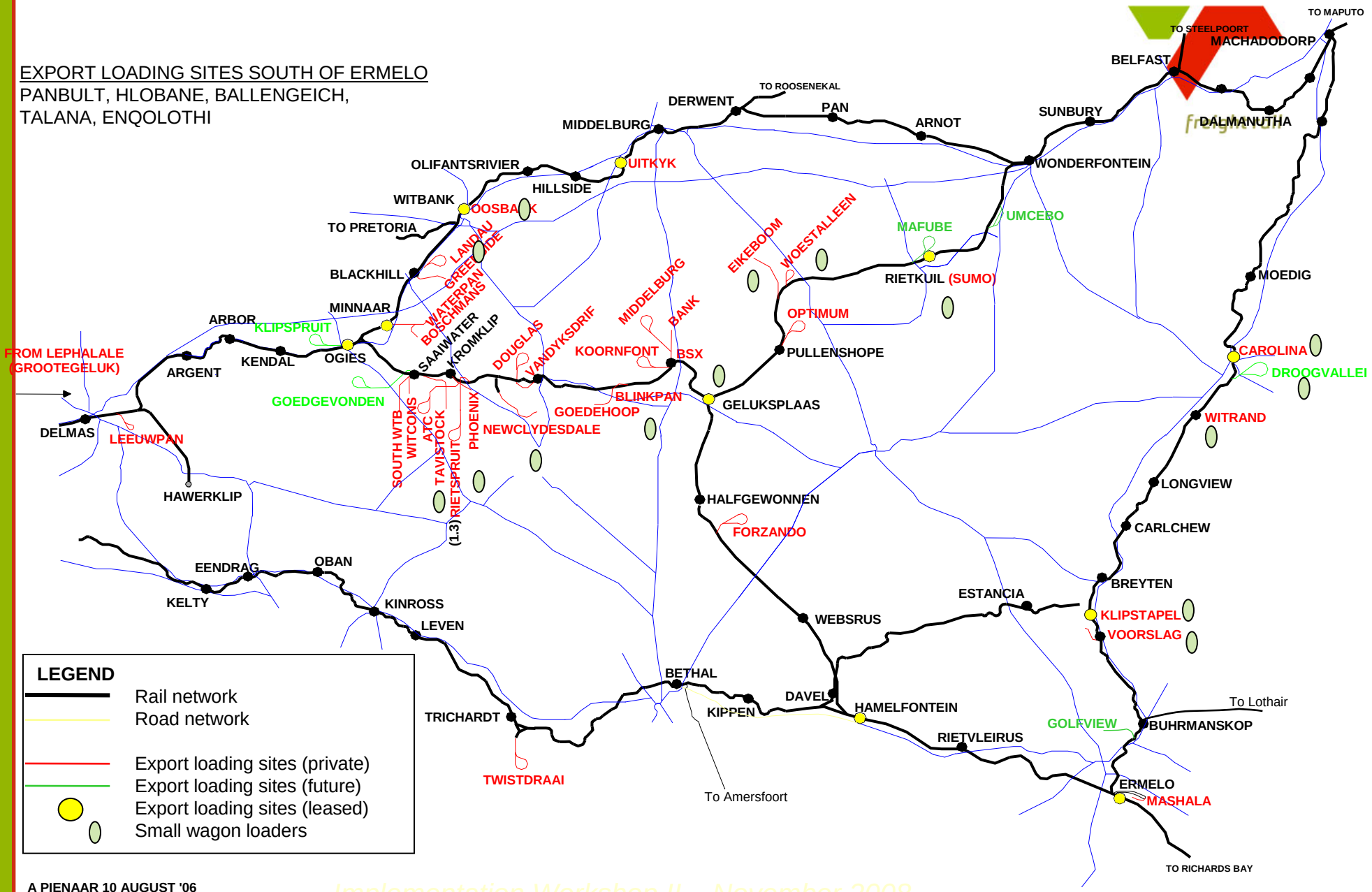

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Requirement

- Resource allocation system
  - Not a rail scheduling system
- Altering the allocation dynamically
- Ensure the efficiency of terminal
- Tracking of actual movements
- Link to other TFR systems
- Scalability

Integration

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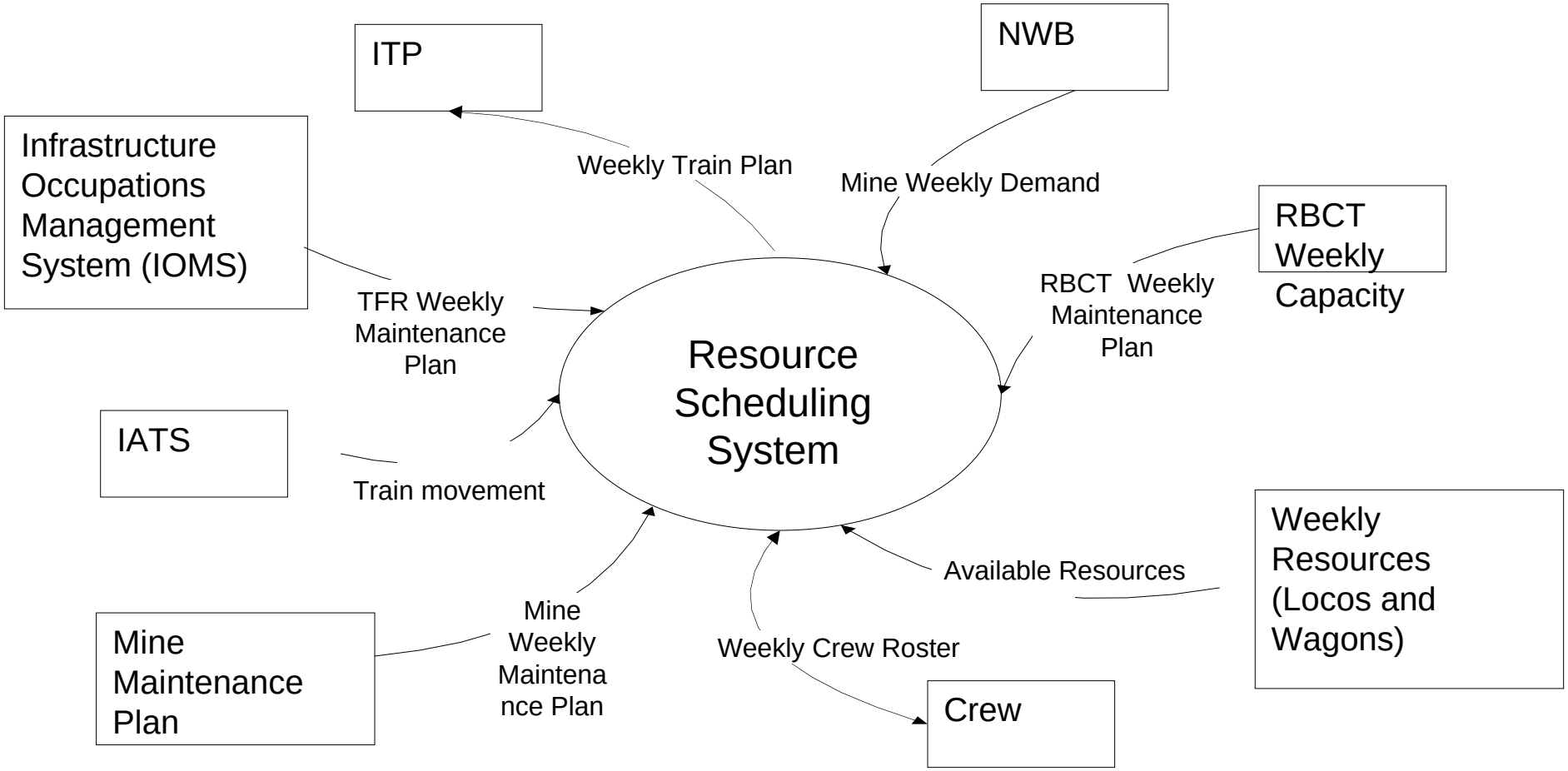

Scope

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1. A resource scheduling component
2. A rescheduling capability for the Control Centre to react and respond to operational deviations.
3. Web based visibility
4. Ability to integrate with TFR's planning, support and operational and tracking systems.
5. Configurable system to meet with changing or additional locations and constraints.
6. Detailed training of the trainers and training material.
7. Full documentation
8. Reporting capability
9. Maintenance and support
10. The solution must be scalable enough so that it can be re-used in other operations on the TFR rail network where detailed resource planning and scheduling is required.
11. A revision of all the existing business processes will be conducted as part of the scope of this initiative.

Questions

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