National Infrastructure Plan
NIP 2009
1. Introduction
2. Logistics Challenges for South Africa
3. Overview of Freight Network
4. Integrated Demand Forecast
5. Planning Principles
6. Infrastructure Development Plans
   - Ports
   - Rail
   - Pipelines
7. Transnet 5 year Capital Plan
8. Conclusions and Recommendations
Transnet owns, manages & operates a **national freight transport system** consisting of Port, Rail & Pipeline infrastructure.

To optimise the benefits, this system needs to be developed and operated in a **co-ordinated and integrated manner**.

**National Infrastructure Plan** provides the basis for the holistic development of the freight transport system.

It is Transnet’s strategic **long term infrastructure planning framework**.
1. Introduction

Objectives and Outputs of the NIP

Objectives

- To provide Transnet and the relevant stakeholder community with a **framework** within which long term planning for port, rail and pipelines can be executed
- To provide a **basis** for engagements with key government and other stakeholders
- To inform Transnet’s **capital investment program** & future funding requirements
- To act as a **governance document** for infrastructure planning and investment in Transnet

Components of the NIP

1. **Status quo assessment** of port & freight rail network
2. 30 year integrated freight **demand forecast**
3. Application of planning principles, assumptions & ops strategies to inform future network development
4. Assessment of future **capacity requirements**
5. Development of **options and scenarios**
6. Transnet’s 5 year capital program
1. Introduction

Transnet Planning Hierarchy

National Infrastructure Plan

National Ports Plan
- Saldanha Bay
- Cape Town
- Mossel Bay
- Port Elizabeth
- Ngqura
- East London
- Durban
- Richards Bay

National Rail Plan
- Gauteng Freight Ring
- Central Freight Ring
- Inland Corridors
- Port Corridors
- Hubs and Terminals
- Rolling Stock

National Pipeline Plan
- Crude Oil
- Refined Products incl. NMPP
- Aviation Turbine Fuel
- Methane-rich Gas

Source: Transnet National Infrastructure Plan
The NIP gets updated at least annually
- Aligned with Transnet’s rolling 5 year plan
- It takes into account relevant events and trends including:
  - new commercial hubs and other significant sources of supply and demand
  - changes in key commodities and freight demand
  - trends in the logistics industry
  - specific customer supply chain requirements