

ACKNOWLEDGEMENTS

CLIENT

The Minister of Transport

The Department of Transport

The Department of Transport project team

- Mr. Mpolokeng Makhari
- Mr. Kagiso Morapedi
- Mr. Sabelo Duma
- Ms. Elsie Neluvhalani
- Ms. Nnditsheni Lukoto
- Ms. Grace Sekgota
- Ms. Gwendoline Mpe
- Ms. Tebogo Nchabeleng
- Mr. Patrice Mongwe
- Ms. Mpho Langa
- Ms. Ntombifuthi Jantjie
- Ms. Morongwa Ramonyathi
- Mr. Makhosonke Miya

All the stakeholders participated on the initial development of NATMAP 2050 are acknowledged.

DURING THE NATMAP 2050 SYNOPSIS UPDATE, THE FOLLOWING STAKEHOLDERS WERE CONSULTED:

DOT Steering Committee (SteerCom)

National Transport Forum (NTF) – made up of national, provincial and local government representatives

National Treasury – focused on funding

Academia (North West University) –

Department of Public Enterprises (DPE)

Presidential Infrastructure Coordinating Commission (PICC)

DoT Colloquium

SERVICE PROVIDER

Aurecon South Africa (Pty) Ltd

BIBLIOGRAPHY

COGTA, 2014. Integrated Urban Development Framework (Draft)

Department of Transport, 1996. White Paper on National Transport Policy

Department of Transport, 1997. The Moving South Africa Transport Strategy

Department of Transport, 2006. Road Infrastructure Strategic Framework for South Africa (RISFSA), Revised from 2002

Department of Transport, 2007. Rural Transport Strategy for South Africa

Department of Transport, 2009. Final Draft National Scholar Transport Policy

Department of Transport, 2013. Draft National Non-Motorised Transport Policy

Department of Transport, MTSF 2014–2019

Economic Development Department, 2011. The New Growth Path: Framework

Gauteng Province: Roads and Transport, 2013. Gauteng 25 Year Integrated Transport Master Plan

Harrison, P & Todes, A, 2013. Spatial Considerations in the development of Urban Policy in South Africa

National Planning Commission, 2012. National Development Plan 2030

National Treasury, 2015. Budget Review 2015

PRASA, 2012. National Strategic Plan

South African Civil Aviation Authority, 2013. Revised Strategic Plan

Statistics South Africa, 2013. National Household Travel Survey (2003 and 2013)

The Presidency, 2006. National Spatial Development Perspective

The Presidency, 2009. Green Paper: National Strategic Planning

The Presidency, 2009. Guide to the National Planning Framework

The Presidency, 2012. National Planning Commission

The World Bank Group, 1996. Development in Practice: Sustainable Transport – Priorities for Policy Reform, Washington D.C.

Transportation Research Board, 2014. Tools for Assessing Wider Economic Benefits of Transportation, Washington D.C.

GLOSSARY

AARTO	Adjudication & Administration of Road Traffic Offences
ACSA	Airports Company of South Africa
ADT	Average Daily Traffic
ATNS	Air Traffic and Navigation Services
ATS	Air Traffic Services
Average road link	The average road link represents the average of all national and provincial road links (roads of national importance) that formed part of the network selected for FONA analysis.
Berth	The distance allocated or maintained between a vessel and the shore, another vessel, or any object.
BOT	Build, Operate and Transfer
Break-bulk	Cargo goods that must be loaded individually and neither in intermodal containers nor in bulk, as with oil or grain.
BRT	Bus Rapid Transit
CBD	Central Business District
CBRTA	Cross-Border Road Transport Agency
CDM	Clean Development Mechanism
Code C runway	A runway that can accommodate aircraft with wingspans of 24m up to but not including 36m and outer main gear wheel spans of 6m up to but not including 9m.
Code D runway	A runway that can accommodate aircraft with wingspans of 36m or more and outer main gear wheel spans of 9m or more.
CTC	Centralised Traffic Control
DoT	Department of Transport
E&PS	Energy and Pipeline Systems
EIA	Environmental Impact Assessment
EST	Environmentally Sustainable Transport
FEL	Front-End Loading
FONA	First-Order Network Assessment
Fourth power rule	A rule of road wear that states that doubling the load on a wheel axle will increase the road damage by a factor of 24 (two to the power of four)
Gauge (rail)	The distance, or width, between the inner sides of the rails of a track.
GDP	Gross Domestic Product

GFIP	Gauteng Freeway Improvement Project
GVM	Gross Vehicle Mass
HGV	Heavy Goods Vehicle
HOV	High-Occupancy Vehicle
IDP	Integrated Development Plan
IDZ	Industrial Development Zone
IPTN	Integrated Public Transport Network
IRPTN	Integrated Rapid Public Transport Network
ITP	Integrated Transport Plan
IUDF	Integrated Urban Development Framework
LAM	Legal Axle Mass Load
LOS	Level of Service – The key performance indicator used to evaluate the status of vehicular operations on a roadway. LOS is indicated by using the letters 'A' through to 'F', with 'A' representing the best operating conditions and 'F' the worst. When new road infrastructure is designed, most public sector entities tend to require a design LOS of at least 'C' in the design year. The reality within most countries, however, is that the LOS is usually much lower, especially in and around urban environments.
LRT	Light Rail Transport
LUM	Land Use Management
MINMEC	Minister and Members of the Executive Councils
MSA	Moving South Africa (Action Agenda, 1999)
MTEF	Medium-Term Expenditure Framework – A transparent planning and budget formulation process in which the cabinet, government departments and public entities allocate public resources to their strategic priorities over three years.
MTPA	Million tonnes per annum
MTSF	Medium-Term Strategic Framework – A broad programme of the government for the 5-year electoral mandate period.
NATMAP	National Transport Master Plan
NDP	National Development Plan
NERSA	National Energy Regulator of South Africa
NHTS	National Household Travel Survey

NIP	National Infrastructure Plan
NLTA	National Land Transport Act
NLTSF	National Land Transport Strategic Framework
NMPP	New multi-products pipeline
NMT	Non-Motorised Transport
NPA	National Ports Authority
NPC	National Planning Commission
NRTA	National Road Traffic Act
NTF	National Transport Forum
OD	Origin and Destination
ORTIA	OR Tambo International Airport
PFMA	Public Finance Management Act
PLTF	Provincial Land Transport Framework
PPP	Public-Private Partnership
PRASA	Passenger Rail Agency of South Africa
PTIF	Provincial Transport Investment Fund
PTIG	Public Transport Infrastructure Grant
PTOG	Public Transport Operating Grant
RTI	Rural Transport Infrastructure
RTMC	Road Traffic Management Corporation
RTMS	Road Transport Management System
RTQS	Road Transport Quality System
RTS	Rural Transport Services

RWDC	Road Weight Distance Charging
SAAF	South Africa Air Force
SACAA	South African Civil Aviation Authority
SAMSA	South African Maritime Safety Authority
SANRAL	South African National Roads Agency SOC Limited
SDF	Spatial Development Framework
SDI	Spatial Development Initiative
SEZ	Special Economic Zone
Siding (rail)	A low-speed track section distinct from a running line or through route such as a main line or branch line or spur. It may connect to through track or to other sidings at either end. Common sidings store stationary rolling stock, especially for loading and unloading. Industrial sidings go to factories, mines, quarries, wharves, warehouses.
SOV	Single-Occupant Vehicle
SPTN	Strategic Public Transport Network
STER	Single-Transport Economic Regulator
TCT UA	Universal Access Policies
TDM	Travel Demand Management
TEU	Twenty-Foot Equivalent unit – A unit of cargo capacity often used to describe the capacity of container ships and container terminals. It is based on the volume of a 20-foot-long (6.1 m) intermodal container.
TFR	Transnet Freight Rail
TNPA	Transnet National Ports Authority
TOD	Transit-Orientated Development
TPT	Transnet Port Terminals
TSM	Transport Supply Management