# Successful Implementation of ISO 55001 Standard for Road Network Management

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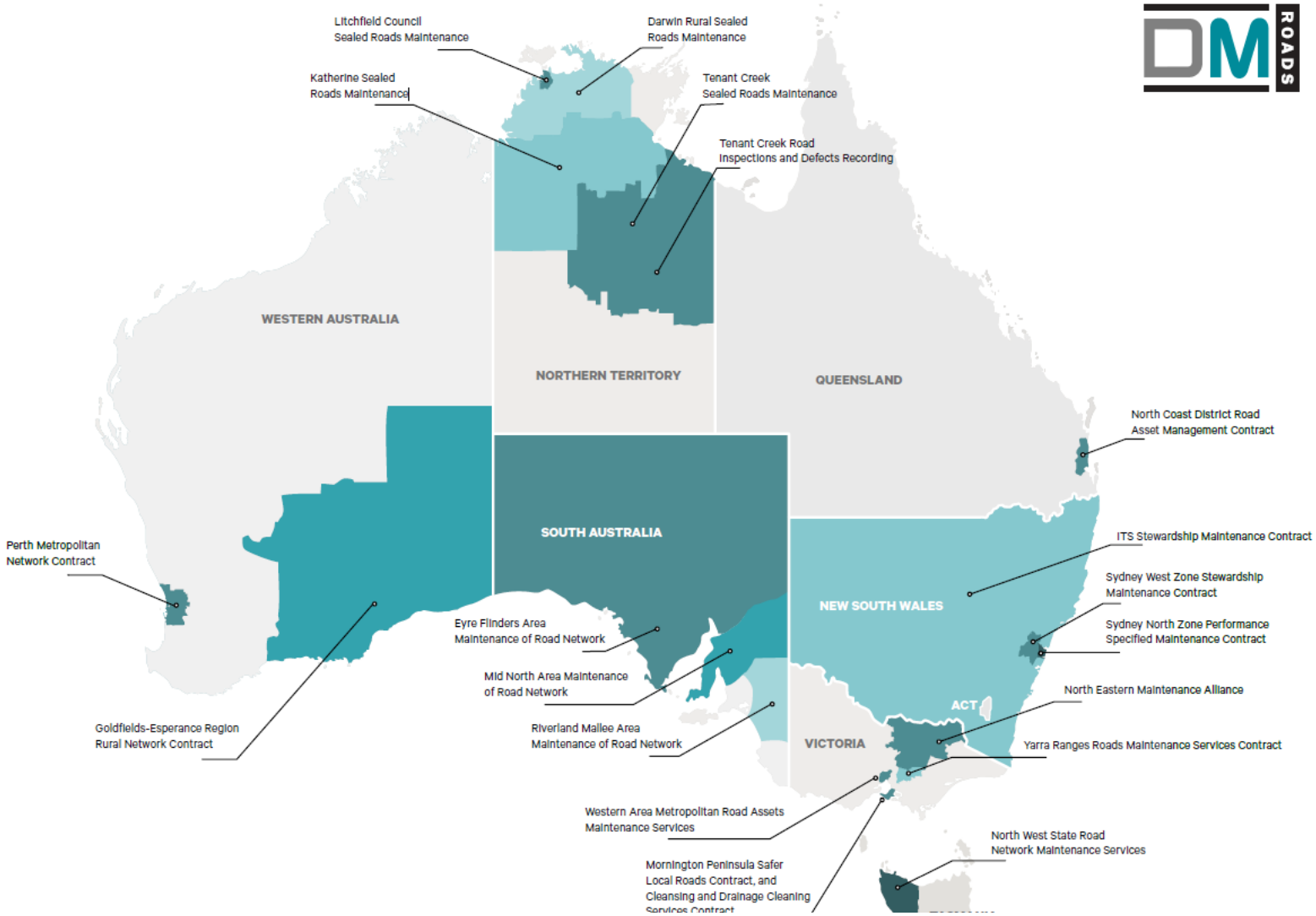
**27 August 2019**

# DM Roads Network Management Business ...

*Maintain more than 33,000 kilometres of road in Australia*

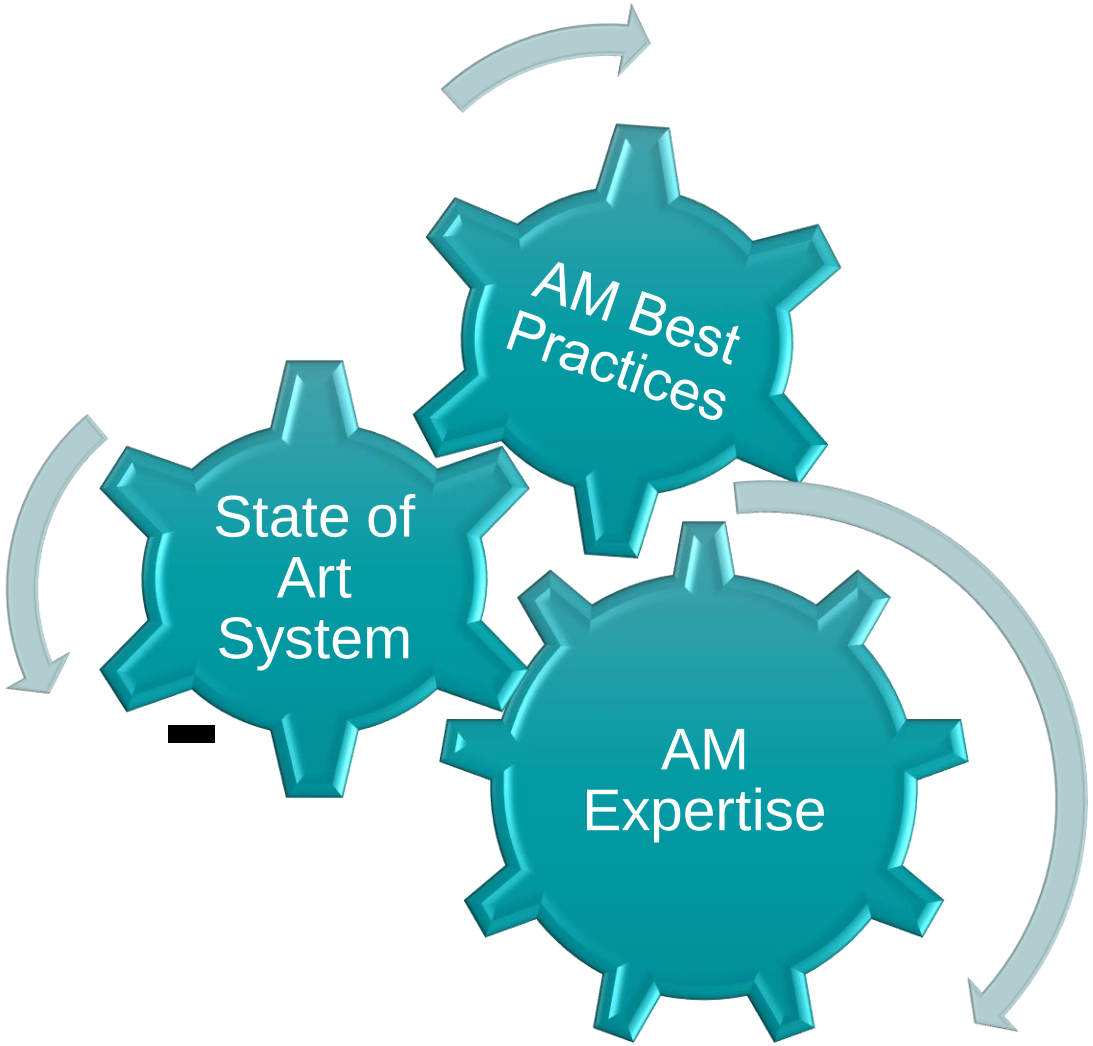
# Varying Requirements



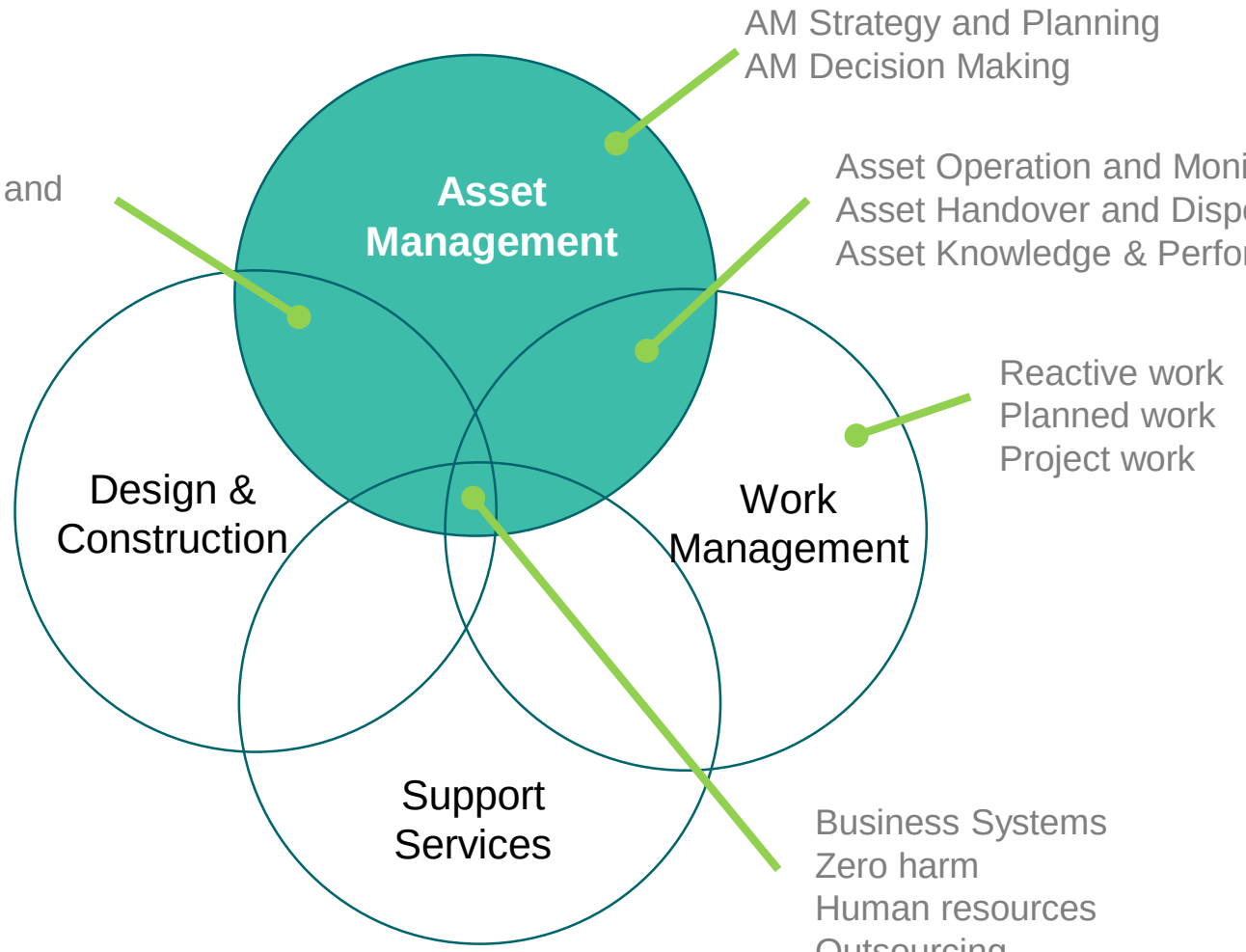

https://vimeo.com/354798472

***Alliance, Stewardship, Performance Based, Measure & Value Contracts***
***Medium to Long-term Contracts 5 to 20 year periods***
***Various States with Different Legislative and Technical Requirements***

# Improving Asset Management



# Asset Management Interfaces



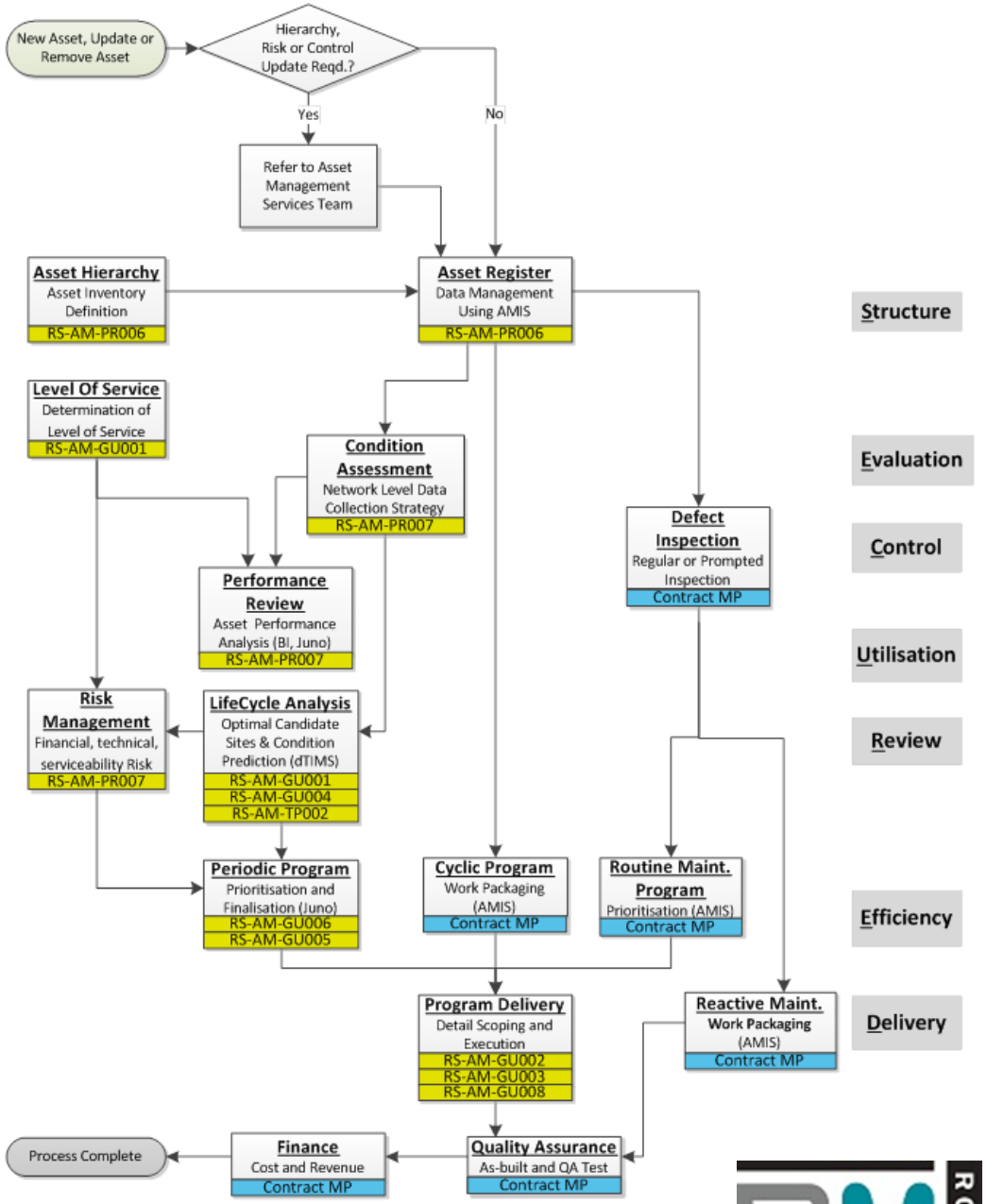
# Business Process

Treatment Strategy

**Prevent**

**Intervene**

**Extend**



# Information Management

AMIS ENT
AMIS MOBILE

CR

Insp

Defect

Task

Work Pack

Claim

Programme

Scheduled Inspection

Cyclic Work

Maintenance Operations

Asset

Periodic Works

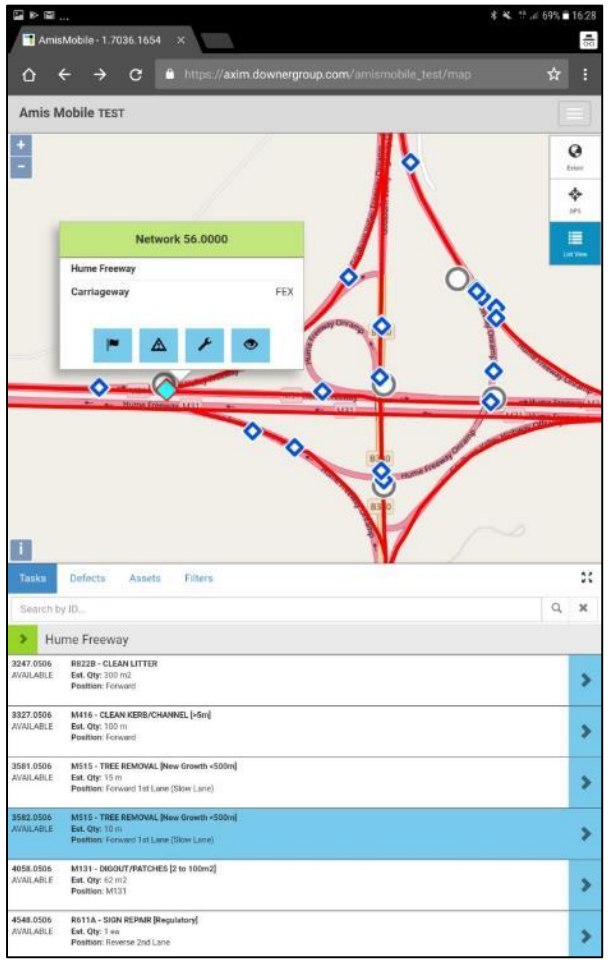
Condition Surveys

Planned Projects

dTIMS
Modeling

JunoViewer
Program Validation

IReporting
TABLEAU BI, POWER BI



# Business Intelligence

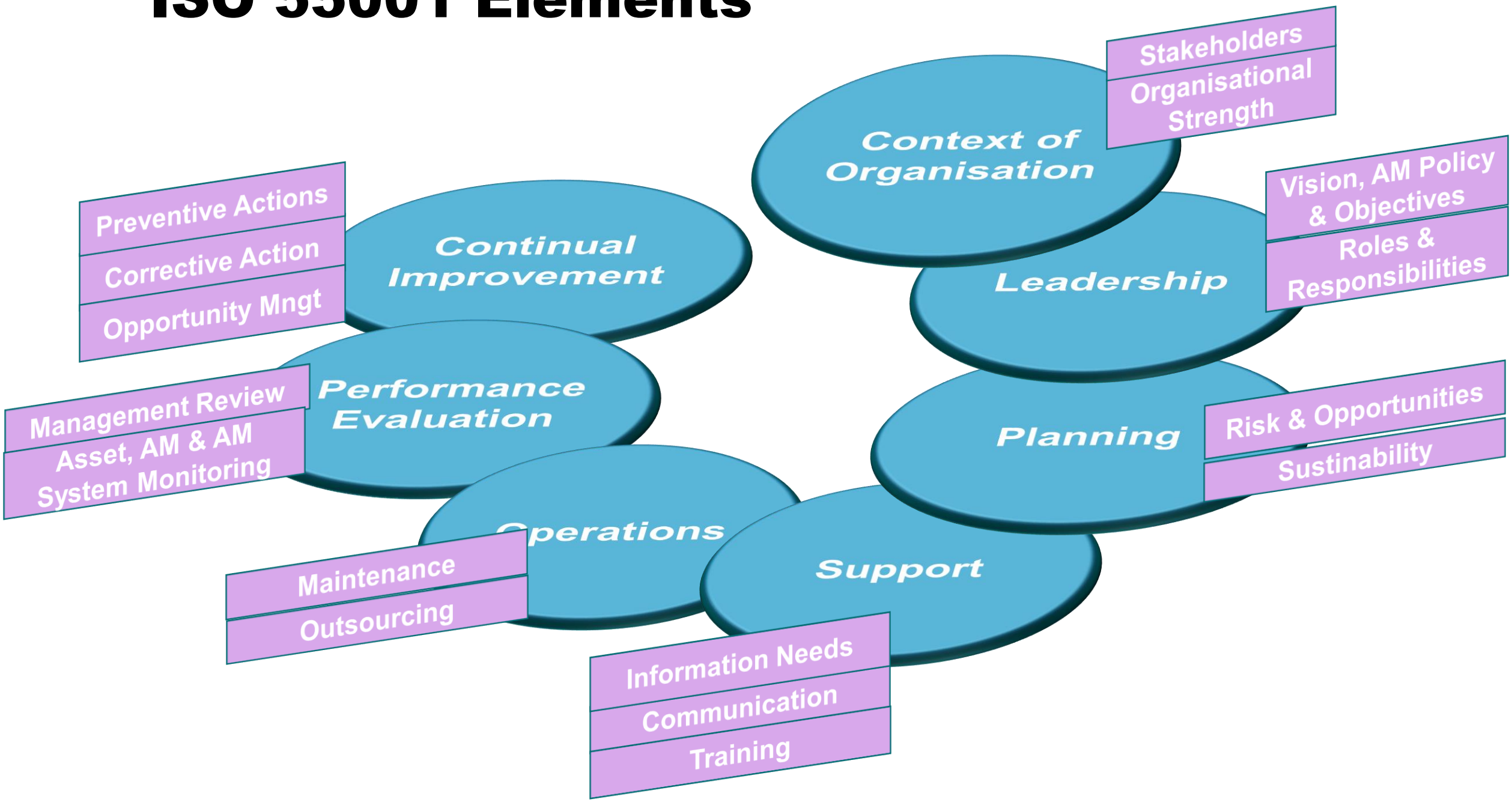
# Adopting New Technology

# Adopting ISO 55000

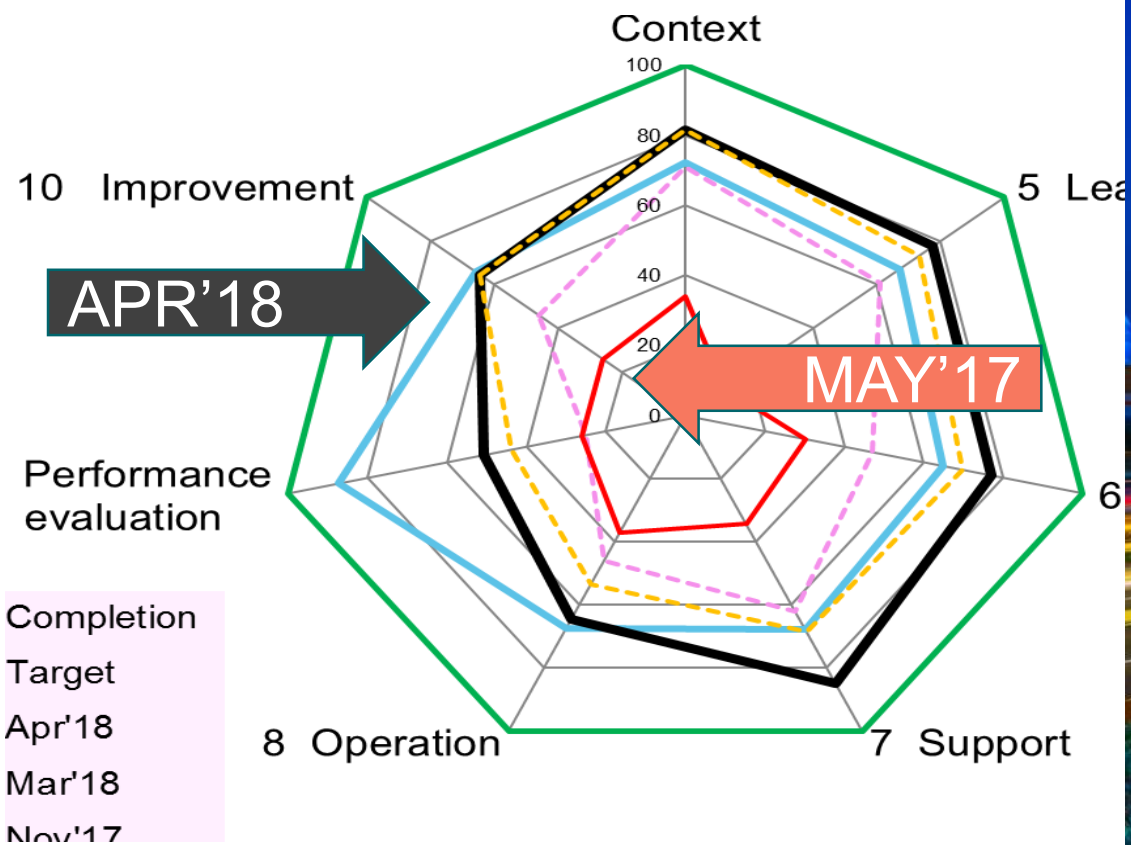
*"Item, thing or entity that has potential or actual **value** to an organisation"*

*The **Co-ordinated activity** of an organisation to **release value** from assets*

# ISO 55001 Elements

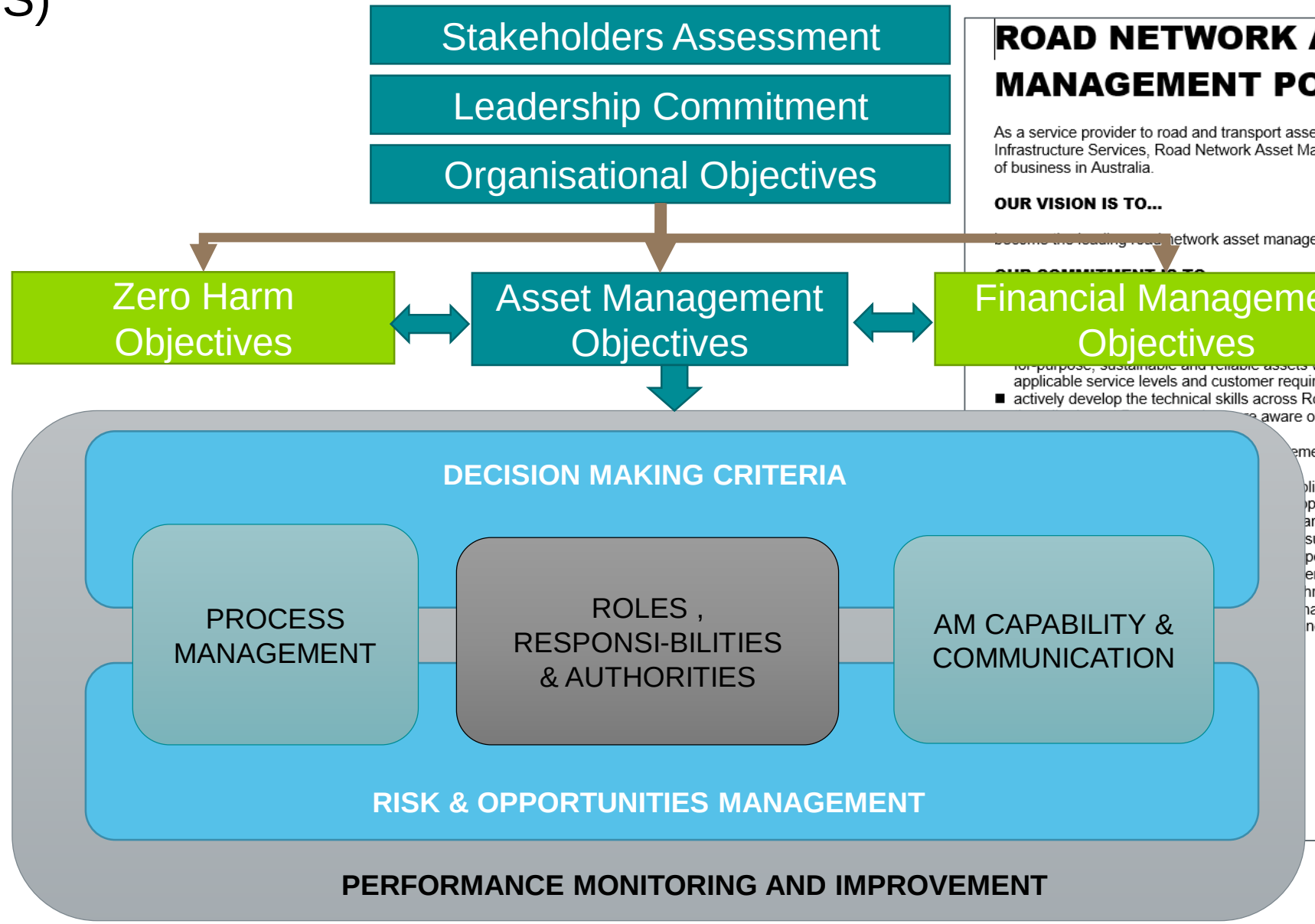


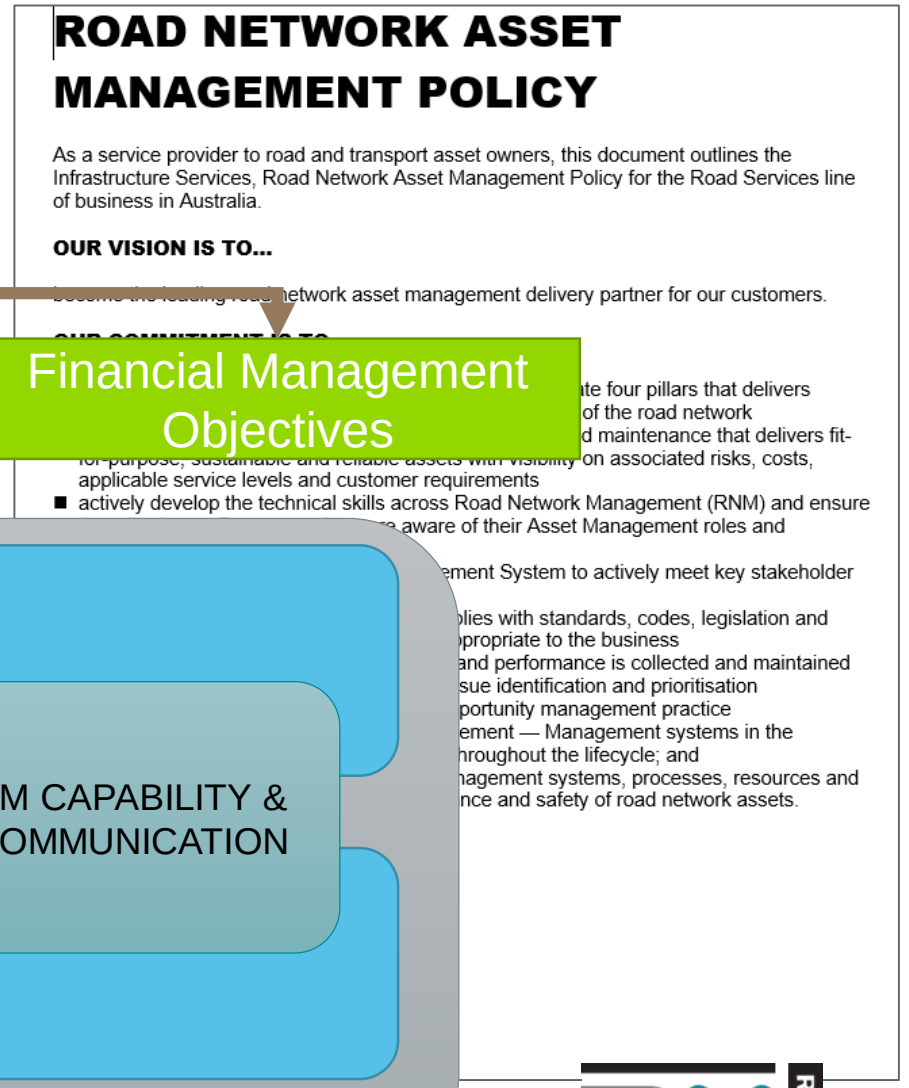
# Maturity Assessment



# Road Network Asset Management System

(RNAMS)



**ROAD NETWORK ASSET MANAGEMENT POLICY**

As a service provider to road and transport asset owners, this document outlines the Infrastructure Services, Road Network Asset Management Policy for the Road Services line of business in Australia.

**OUR VISION IS TO...**

network asset management delivery partner for our customers.

te four pillars that delivers
of the road network
d maintenance that delivers fit-
on associated risks, costs,
applicable service levels and customer requirements

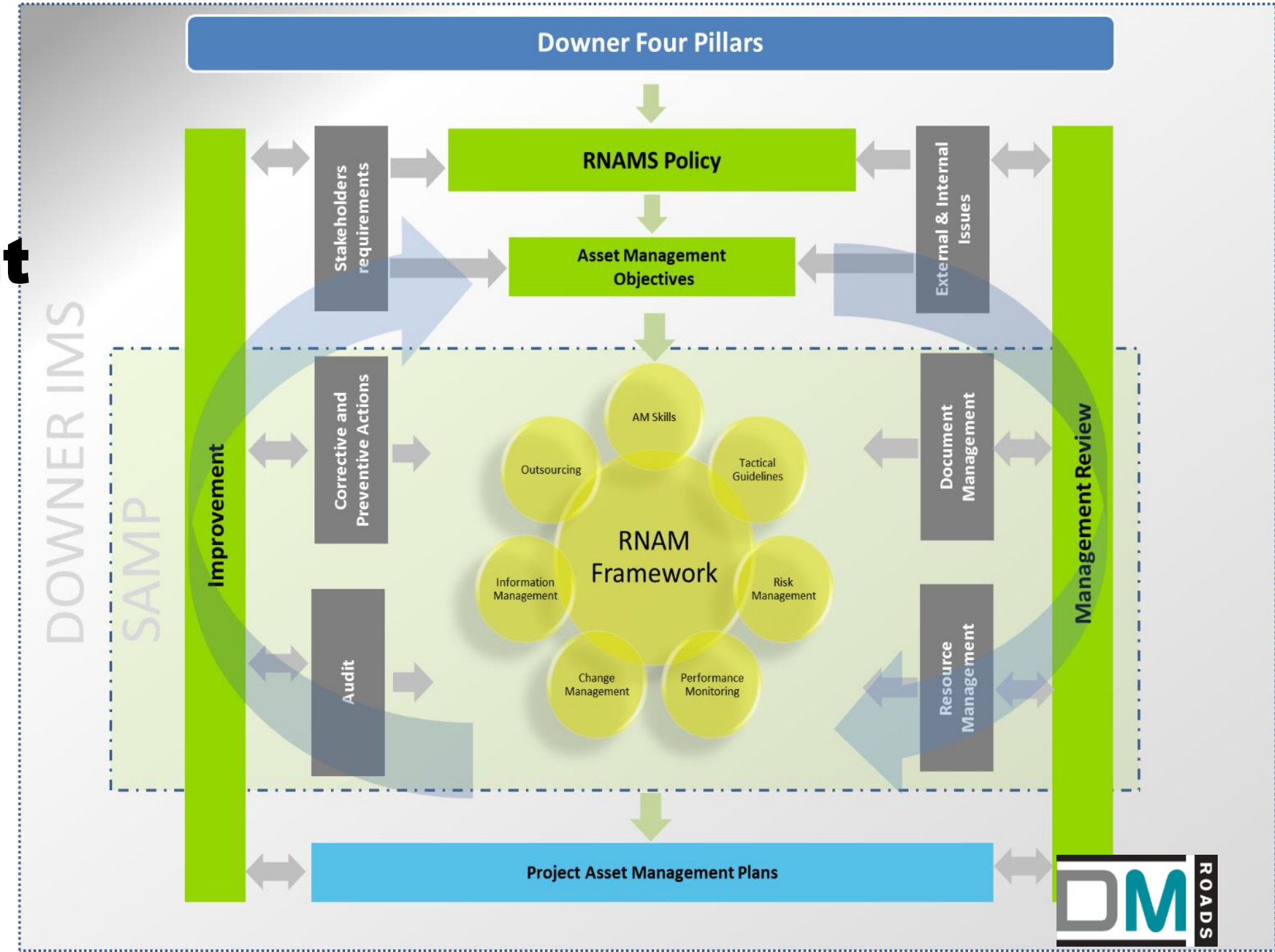
- actively develop the technical skills across Road Network Management (RNM) and ensure aware of their Asset Management roles and

ement System to actively meet key stakeholder

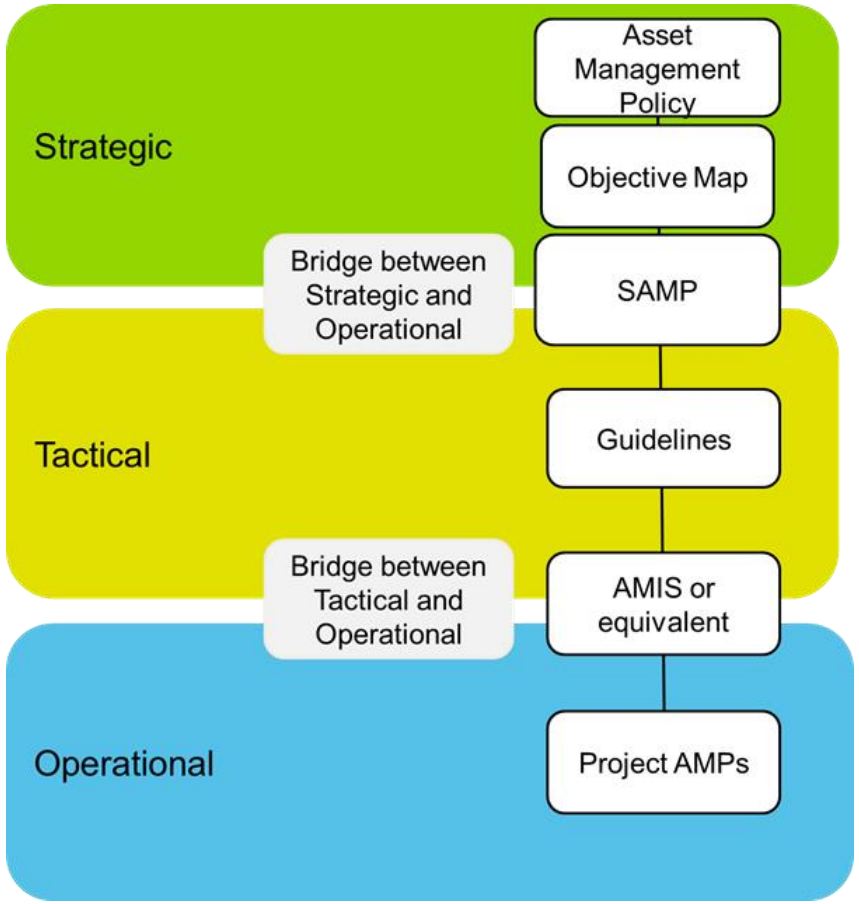
lies with standards, codes, legislation and
propriate to the business
and performance is collected and maintained
sue identification and prioritisation
portunity management practice
ement — Management systems in the
hroughout the lifecycle; and
nagement systems, processes, resources and
nce and safety of road network assets.

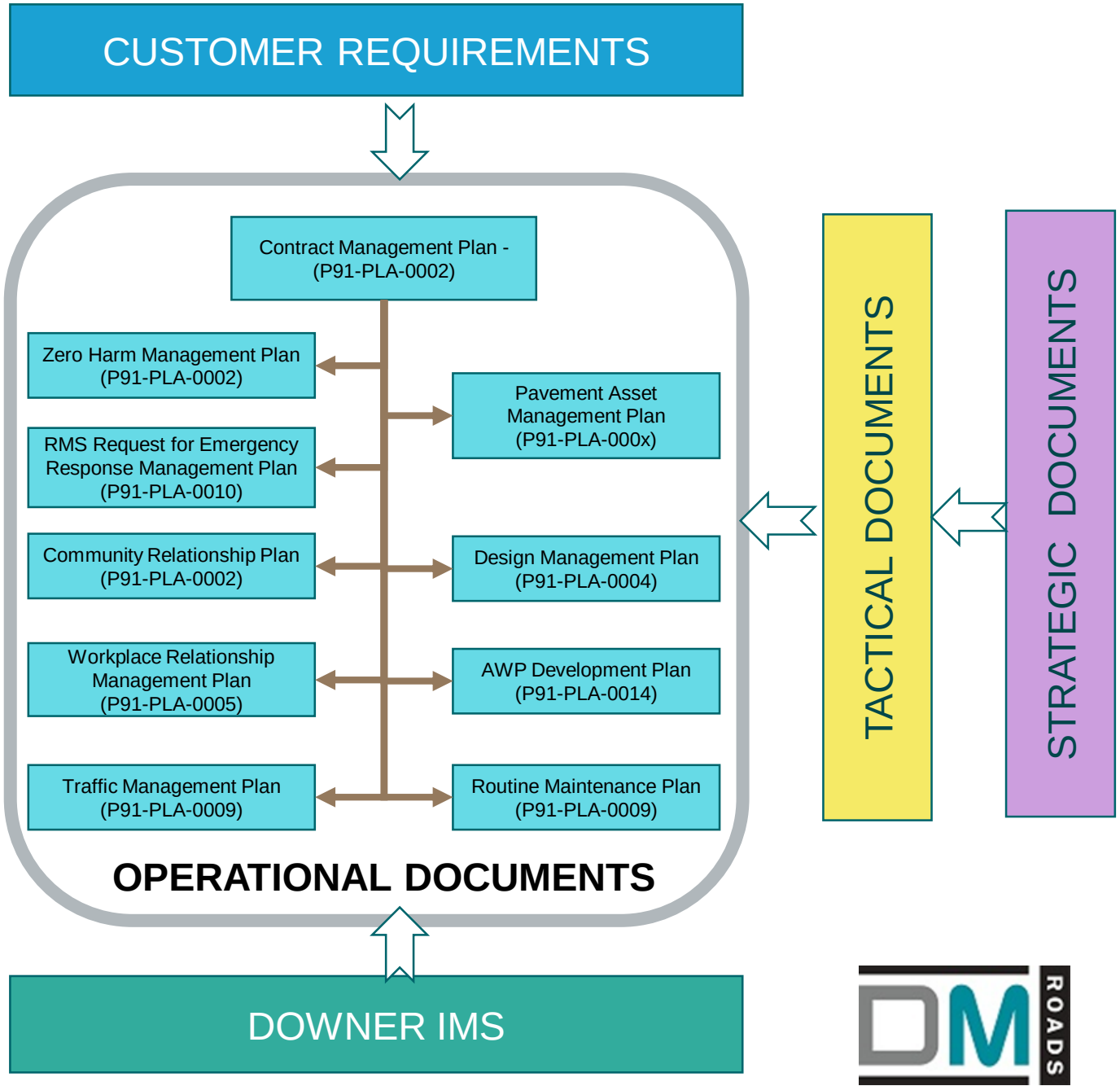
# Interlocking with Other Standards

# Road Network Asset Management System (RNAMS)



# System Levels



# Benefits

- Sustainable Business
- Improved Asset management
- Standardisation of the Business Process
- Better alignment between business systems
- Improvement in effectiveness and efficiency in services

# Conclusions

- **ISO 55001 standard provides a framework for:**
  - Effective and efficient delivery of services
  - Improvement of Asset Management practices
- **Start with limited scope**
- **Leadership commitment is paramount, but need cultural change to get real value**
- **ISO certification, with requirements of re-certification and surveillance audits:**
  - Assurance to customers
  - Initiatives ongoing maintenance of System

# Thank you

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