Transport Asset Standards Authority

ASSET ASSURANCE AND CONFIGURATION MANAGEMENT

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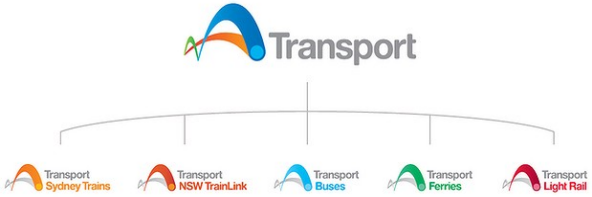
Presentation Outline

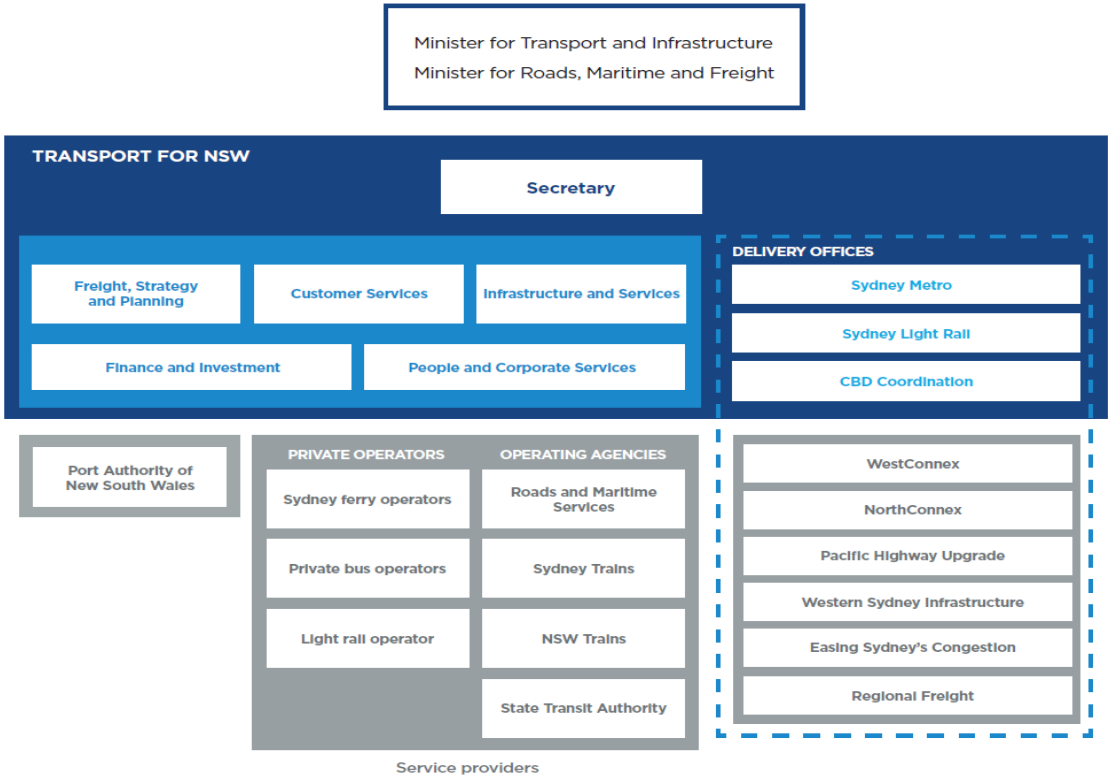
- Transport for NSW and the Transport Cluster
- View of Assurance
- Asset and Safety Assurance
- Investment Assurance
- Integrated Assurance

Transport for NSW

- Created Nov 2011, as the centrepiece of a comprehensively restructured transport portfolio
- Responsible for managing and shaping the future of the transport system in NSW
- Responsibilities across all phases of the asset life cycle
- Transport Cluster manages > $100B* of State owned assets



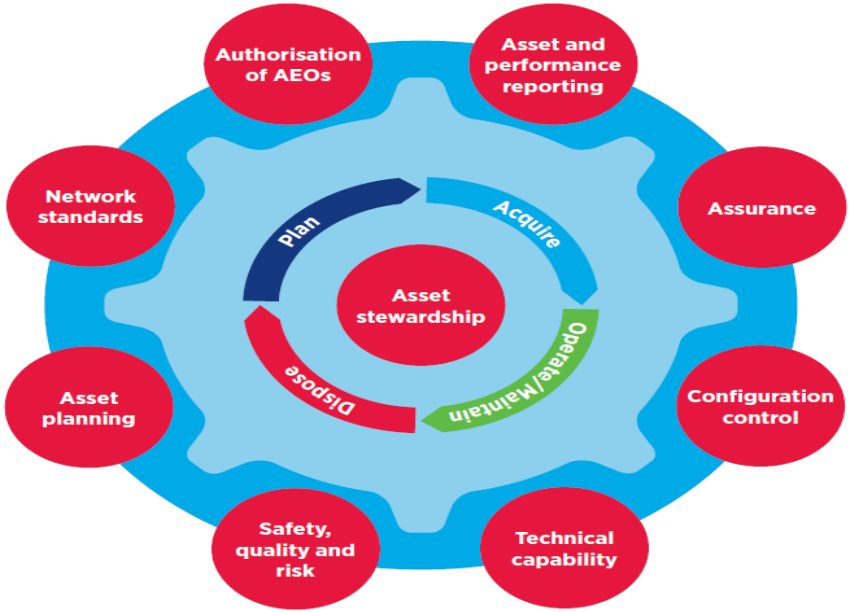
The Transport Cluster



- ASA part of Freight, Strategy and Planning
- Collegiate approach to supporting and promoting Asset Management
- TfNSW contracts with Agencies and the Private Sector in the delivery of services

ASA – beyond standards to whole of life assurance

- **"Making it clearer and simpler"**
  - for Transport Cluster
  - for Supply Chain
- Collaborating and supporting TfNSW to be an informed and efficient asset owner
  - whole of life assurance
  - asset management
  - standards
  - risk based decision making
- Facilitate increased private sector participation and capability
- Transport Values and Customer focus



A view of asset assurance

Assurance - set of structured and planned activities conducted through the asset life cycle providing progressive justified confidence that objectives are being achieved and the asset is or will be fit for purpose

Asset Assurance includes:

Outcome assurance

Technical assurance

Integration assurance

Safety assurance

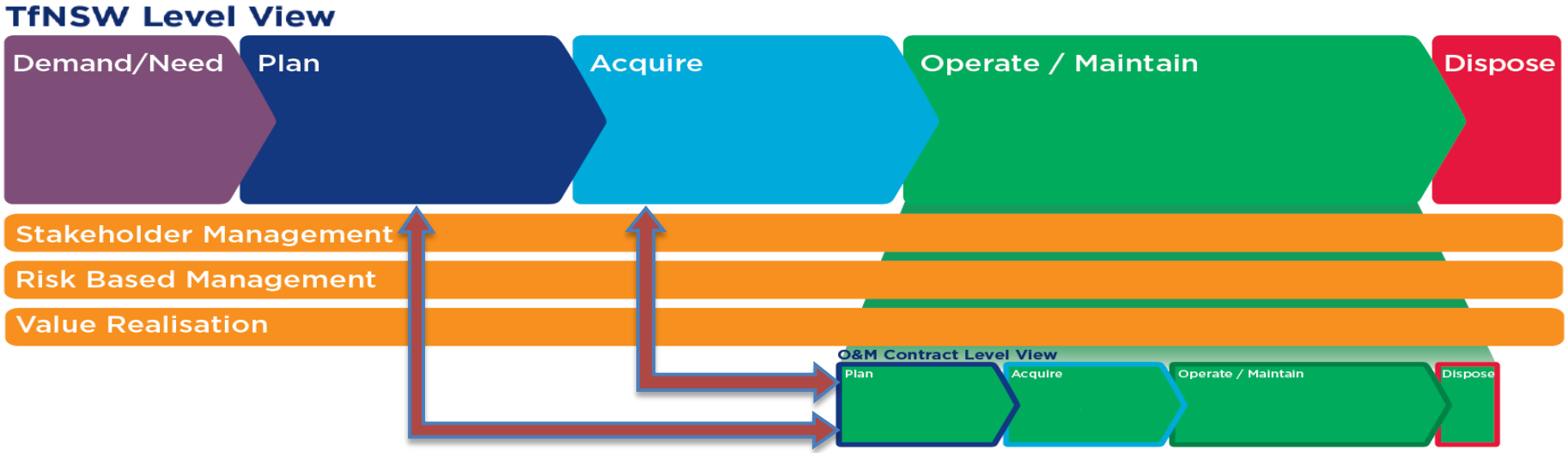
Builds to assure the asset investment

Why is Assurance Important?

- Decisions made at any stage in the lifecycle contextualises or even constrains future options, activities and solutions
- Decisions may have significant impact on safety, reliability and service delivery which may not become apparent until much later in the asset life
- Interconnected nature of systems mean that there are consequences of every action
- Empowers the supply chain and assists service providers in attaining the assurance they require

Providing TfNSW with assurance

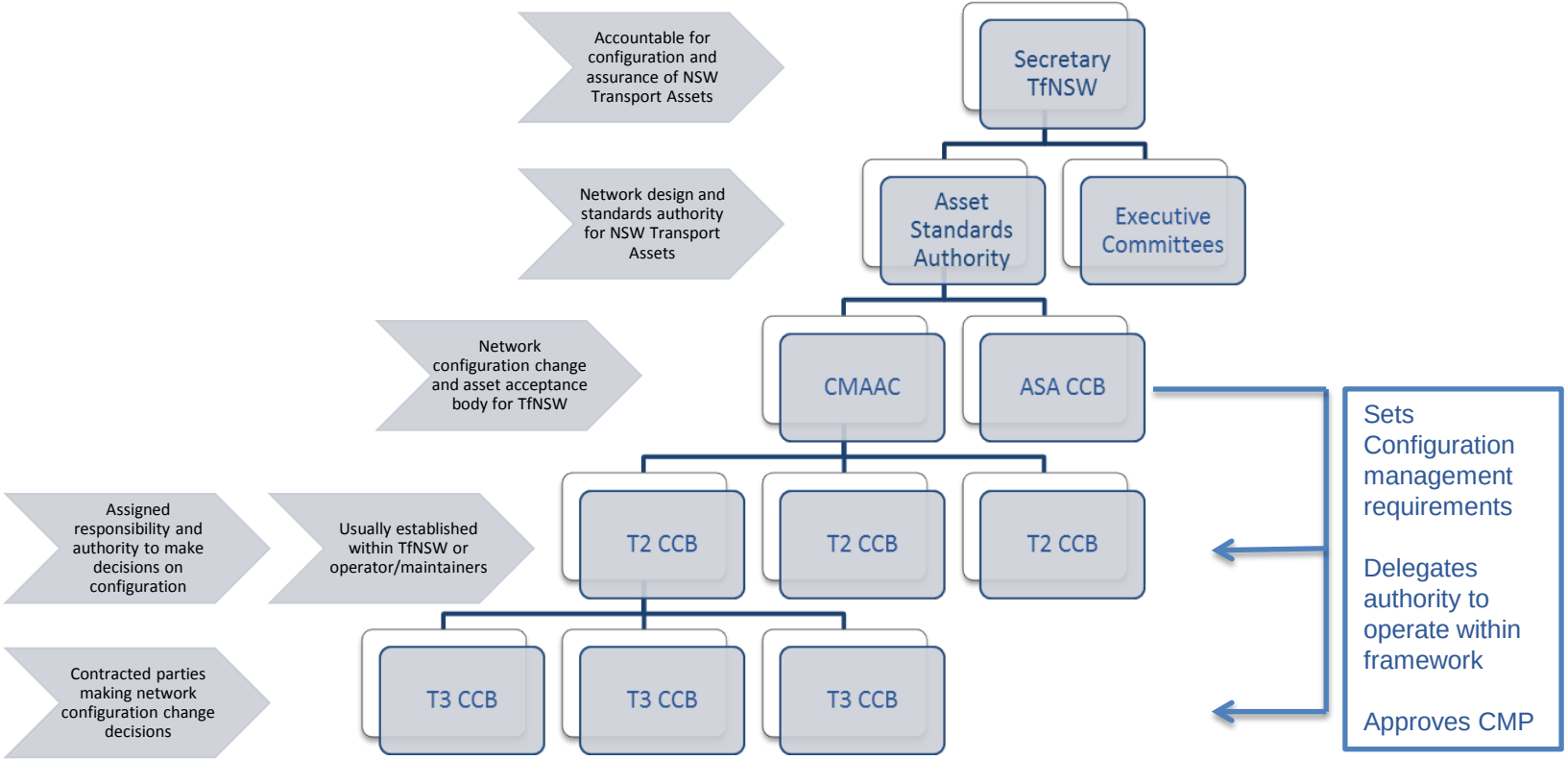
- Engineering decisions
- Obligations as an owner
- Industry service providers
- Deployment of TfNSW protocols
- Enabling O&M efficiencies and effectiveness



Completing the jigsaw - system & safety assurance

Key asset assurance documents

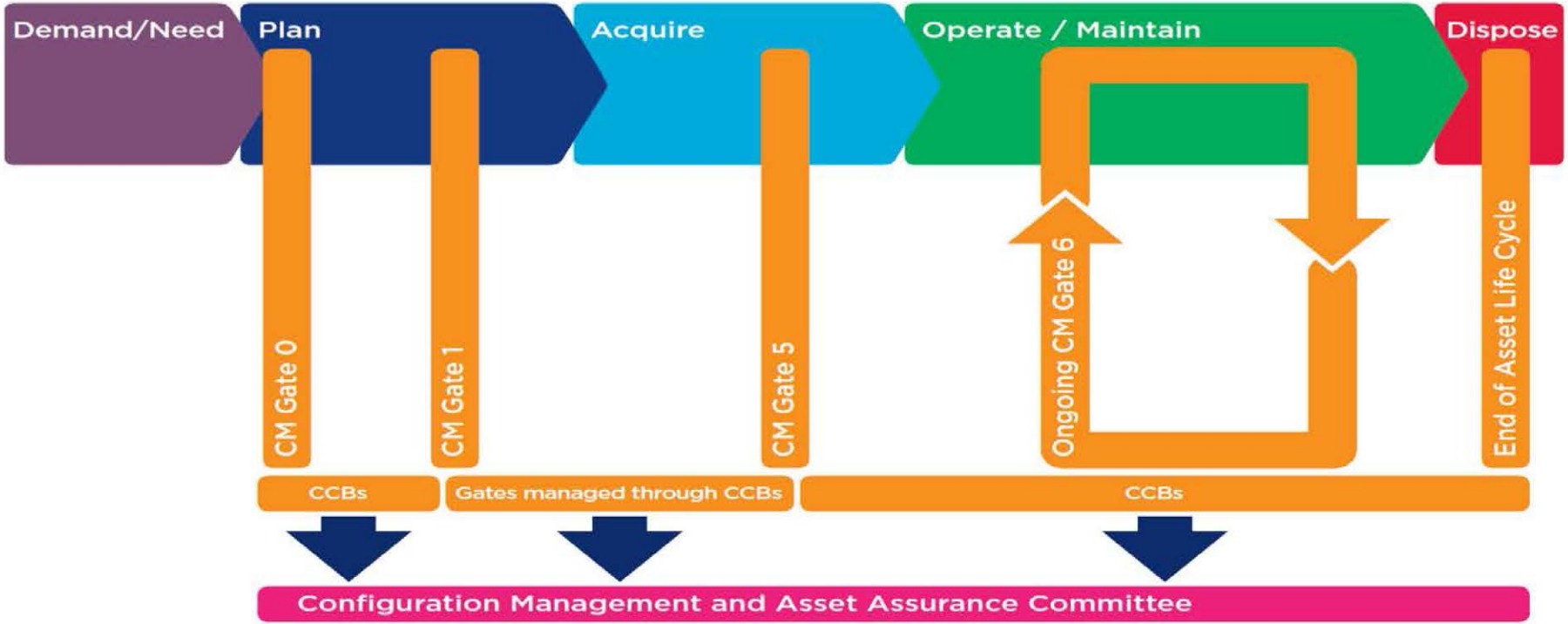
Configuration Management Structure



Structure of Asset Assurance

- Asset and investment assurance currently managed through two separate but aligned frameworks
- The framework for **asset assurance** (including safety assurance) is:
  - provided by the TfNSW Configuration Management Plan
  - overseen by the TfNSW Configuration Management and Asset Assurance Committee (CMAAC)
- The framework for investment assurance is:
  - provided by the Investment Gating and Assurance Guidelines,
  - overseen by the Finance and Investment Committee

Asset Assurance Gates

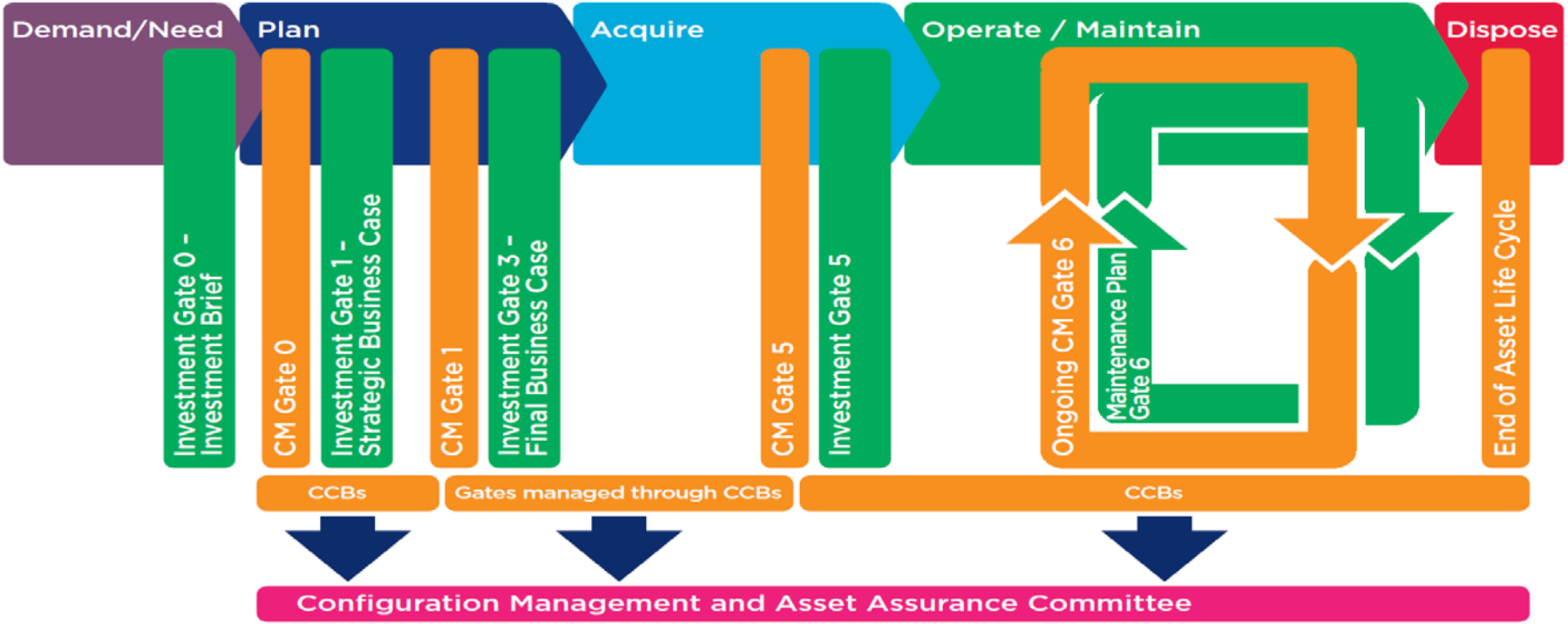


Application of Asset Assurance

Configuration Management Surveillance

- Through **scheduled surveillance** activities the ASA provides the TfNSW CMAAC with **confidence** that a Configuration Management Plan is being **applied** and is **effective**
- Includes any activity that forms part of an assessment of the status of the application of configuration management
- When and where surveillance activities identify **potential failures** in the process or errors in information, **action plans** are identified
- Configuration information custodians plan and perform audit activities appropriate to their role

Integrated Assurance Gates



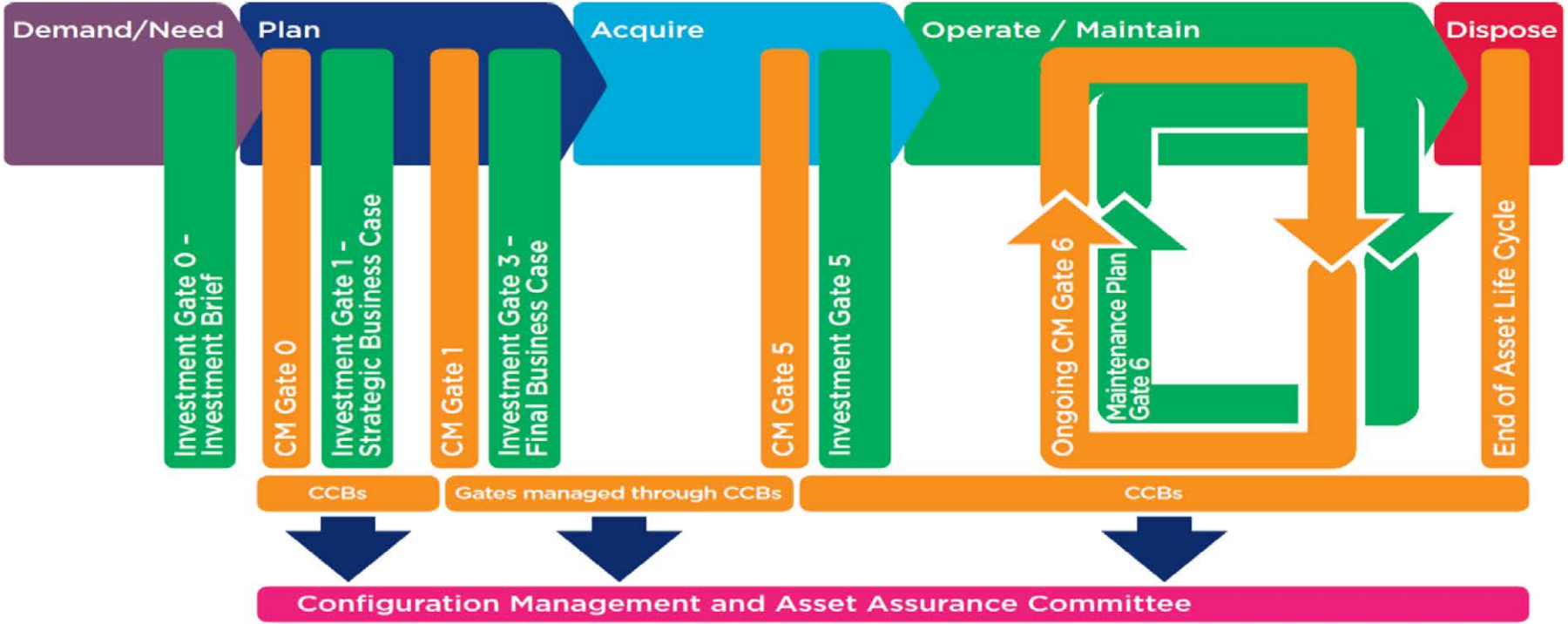
The complete picture….a work in progress

Assurance - set of structured and planned activities conducted through asset life cycle providing progressive justified confidence that objectives are being achieved and that asset is or will be fit for purpose

Future success

- Indicators of success across the asset life cycle
  - Change is managed and is safe as **SFAIRP**
  - Outcomes as expected
  - Integration achieved
  - TfNSW has **justified confidence** in the assurance story
  - Asset is or will be fit for purpose
- The Asset Management view of business is recognised
- Assurance is seen as multifaceted - **Asset, Safety & Investment**
- Move from parallel and integrated to **one integrated assurance process**

Thank you….questions?



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