



new
southern
— sky —

***New Southern Sky:
future surveillance in New
Zealand***

SITF ADS-B seminar April 14, 2015

- Introducing New Southern Sky
- The drivers for change: costs and benefits
- Surveillance in the New Southern Sky
- Linked initiatives: safety and system interdependencies
- Next steps

Introducing New Southern Sky



Arriving at NSS



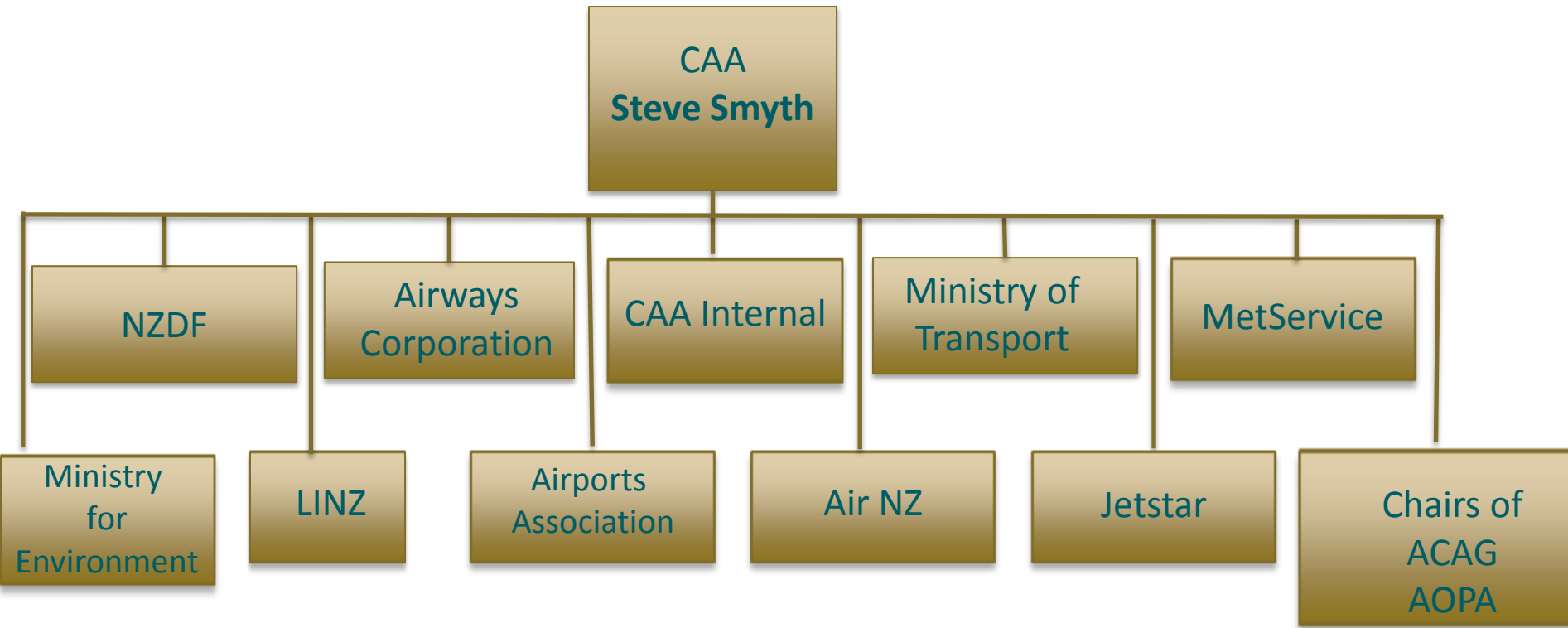
NSS Scope



NSS Governance Group



NSS Working Group



Benefits

- Whole of system approach: **integration, efficiencies**
- Safety focused: **new technology, capability delivery**
- Evidence based: **robust rules and policy; best practice**
- Social, environmental and economic benefits:
 - **\$2Bn over 20 years**
 - **Fewer delays, less fuel burned**
 - **Improved safety**

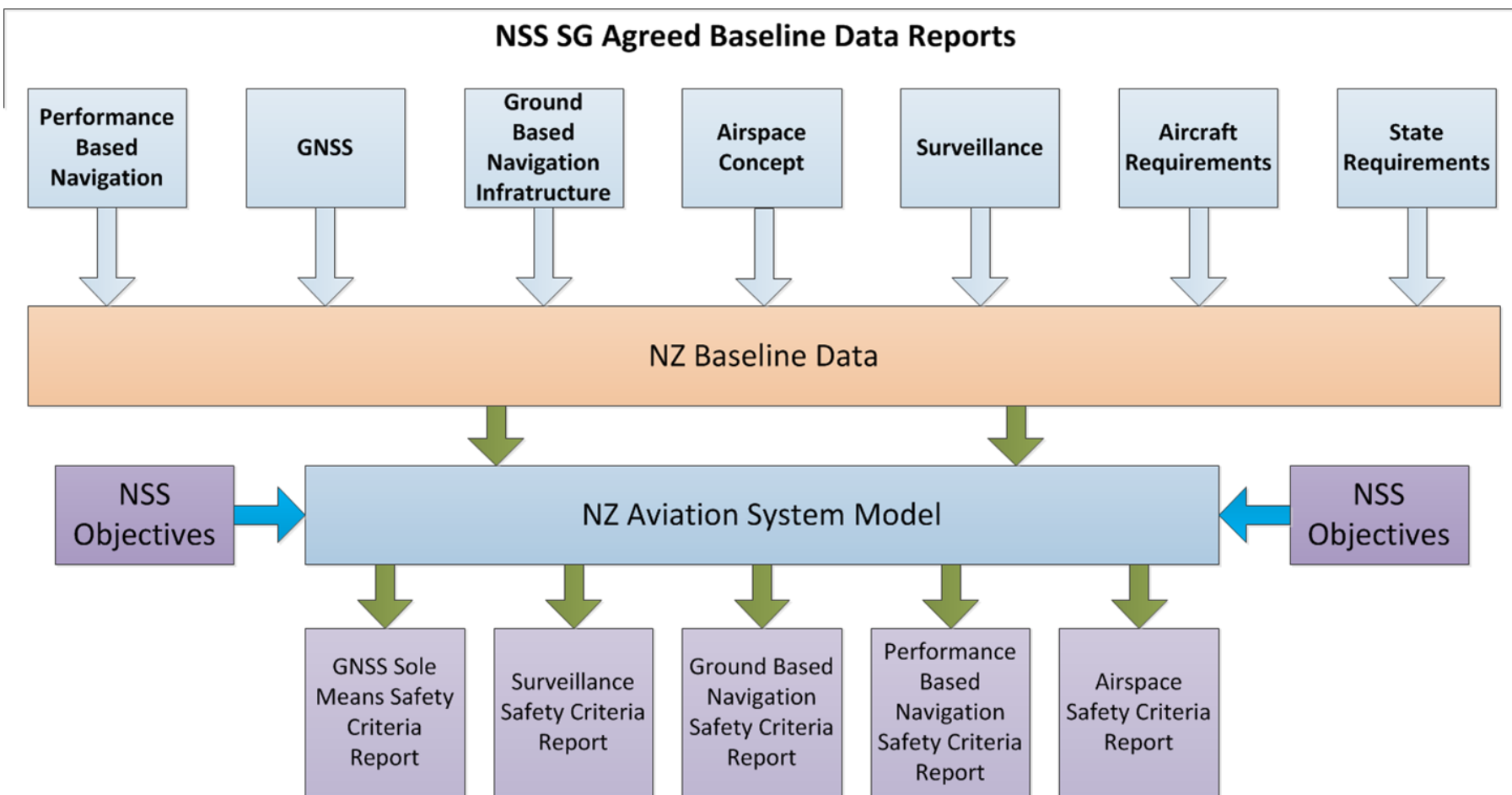
Costs

- **Aircraft equipage:** ADS-B, GNSS
- **Infrastructure:** ADS-B; ground-based navigation
- **Capability:** Training, education and information – working through the transition
- **Rule-making:** a fit-for-purpose regulatory framework

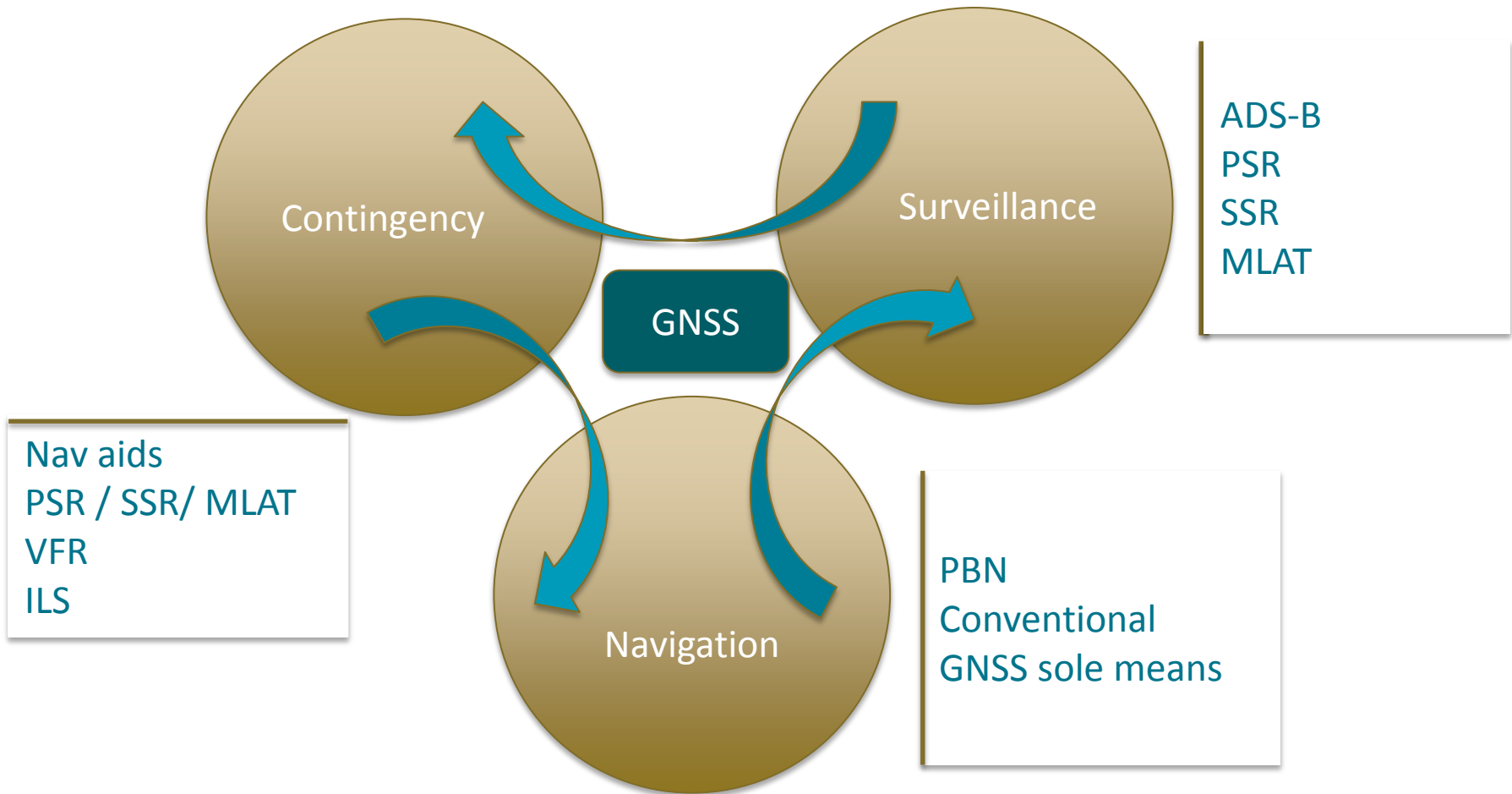
Surveillance activities

	Stage 1: 2014-15	Stage 2: 2016-2018	Stage 3: 2019-2023
Surveillance: reducing our reliance on radar	<ul style="list-style-type: none"> ✦ Policy & rule development ✦ Service package development <p>Safety criteria Safety case</p>	<ul style="list-style-type: none"> ✦ ADS-B above FL 245 ✦ Service package delivery 	<ul style="list-style-type: none"> ✦ ADS-B in all controlled airspace ✦ contingency ✦ Provision for non-ADS-B aircraft

Safety in the New Southern Sky



Interdependencies



Future surveillance in the New Southern Sky – next steps

- Surveillance system options and decisions
- Regulatory development
- Ongoing monitoring
- Ongoing discussion: local, national, regional, global.

For more information



Brigid Borlase

Senior Policy Advisor

Civil Aviation Authority of New
Zealand

brigid.borlase@caa.govt.nz

www.nss.govt.nz

@newsouthernsky