



ARPANSA Inspection Outcomes

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Regulatory Objectives

ARPANSA's fundamental regulatory objective is to ensure that licenced facilities and sources are controlled and operated in an acceptably safe manner at all times.

ARPANSA is committed to the effective and efficient regulation. Our strategies are:

1. **Ensure compliance** of Commonwealth entities with regulatory requirements
2. Ensure regulatory **actions are proportionate** to the risk
3. Provide **timely and evidence based** assessment of applications
4. Promote **international best practice** in regulatory policy and practices
5. Communication with regulated entities is **clear, targeted and effective**
6. Contribute to the **continuous improvement** of regulatory framework and processes

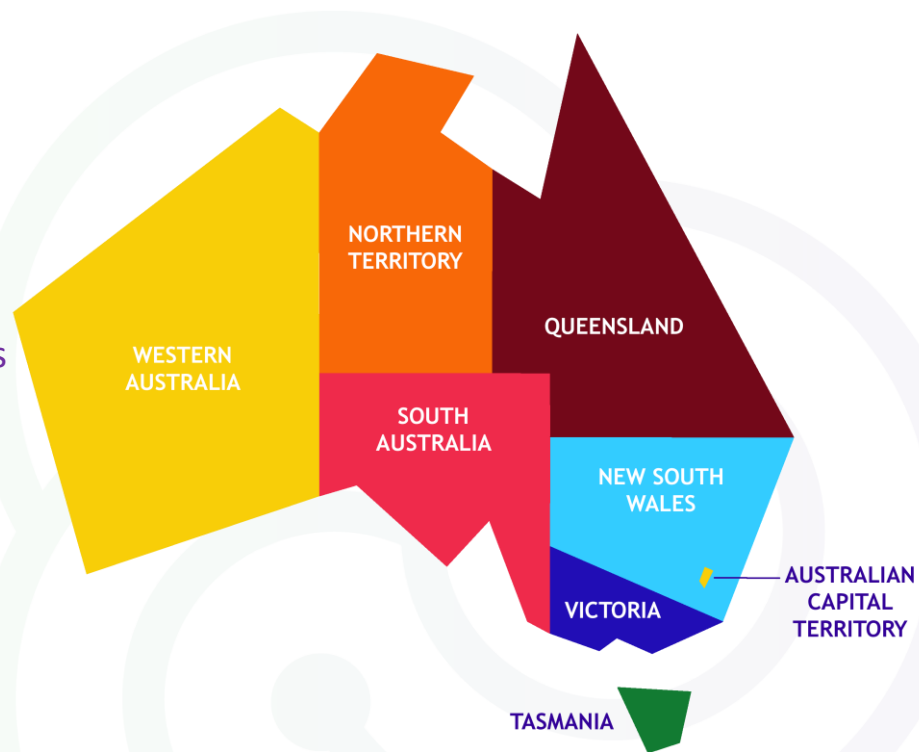
Inspection Statistics

2017/18 Figures

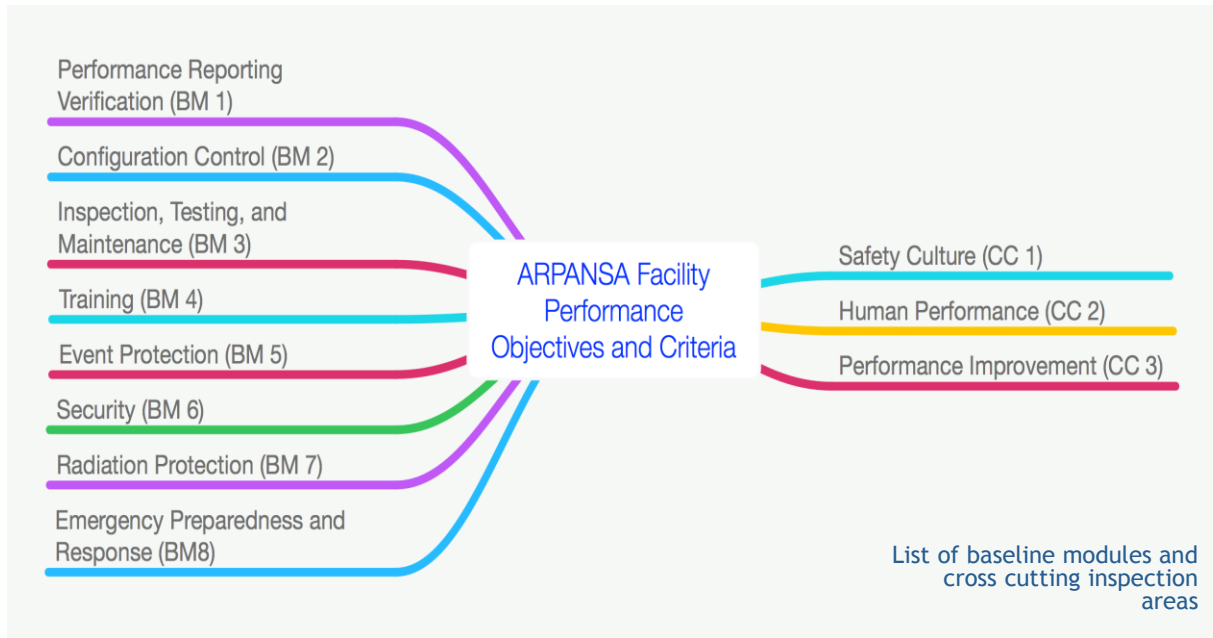
- 73 Inspections
 - 20 Facility
 - 53 Source
 - 2 Augmented inspections
 - 10 potential non-compliance
 - 196 areas for improvement
- 60 Site visits to facilities
- 10 confirmed non-compliance
- 32 information sharing meetings with licence holders

ARPANSA performance (first three quarters)

- 85% of inspections on schedule
- 88% of inspection feedback is positive
- 59% of corrective actions initiated within three months
- 20% of facility inspections used external expertise
- 76% of our direct licence holder effort was on medium or higher risk licences
- 79% of application decisions in agreed time



Inspection Performance Objectives and Criteria



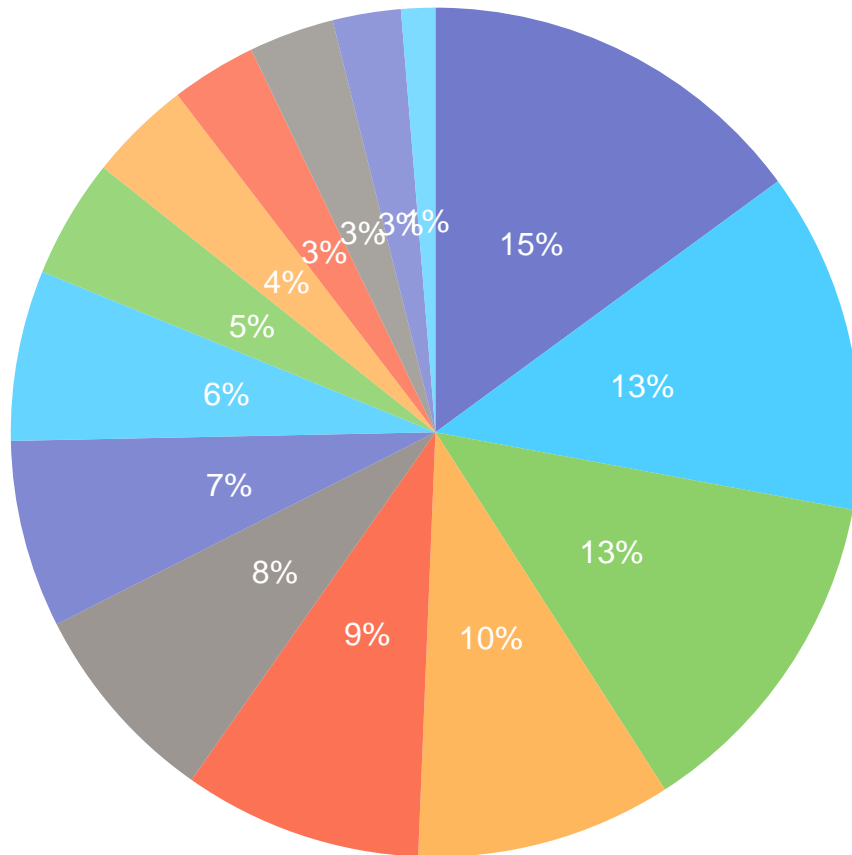
- The resources applied are graded on the risk of facility:
 - inspected on between 1 and 8 baseline modules in a single inspection
 - all cross cutting modules
 - recognition of good performance

Typical examples of inspection scope and frequency:

- OPAL Reactor (20 MW Open Pool Multipurpose Reactor)
 - 3 inspections per year - 1 baseline module each
- Isotope Production Facilities
 - 1 inspection per year 3 baseline modules
- 18 MeV Cyclotron
 - 1 inspection per year 3 baseline modules

Inspection Findings

AREAS FOR IMPROVEMENT (AFI)

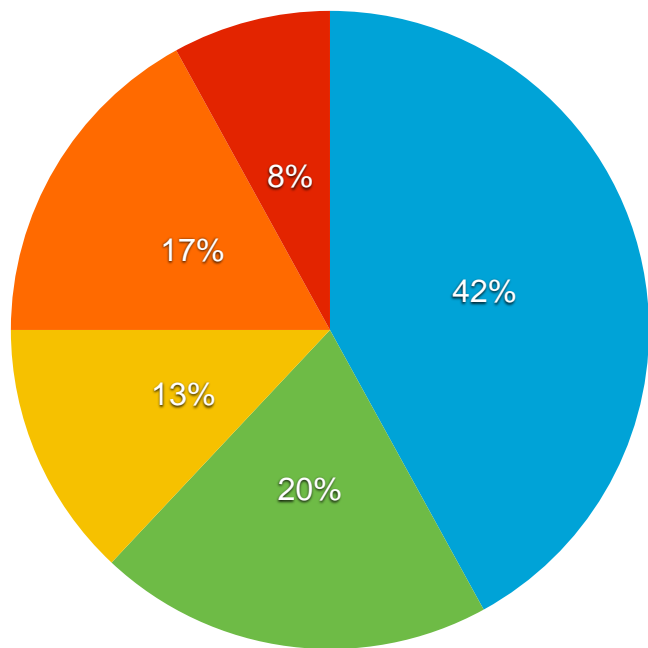


- Proc/Instr not to std
- Configuration Control
- Proc/Instr not reviewed or up to date
- Proc/Instr not followed
- Records not up to date
- Safety equipment not used or to std
- Labels and signs not to std
- Hazard/risk assessment
- Poor communication
- Training inadequate
- Missed learning opportunities
- Change Control
- Accountabilities not clear
- Communication to ARPANSA

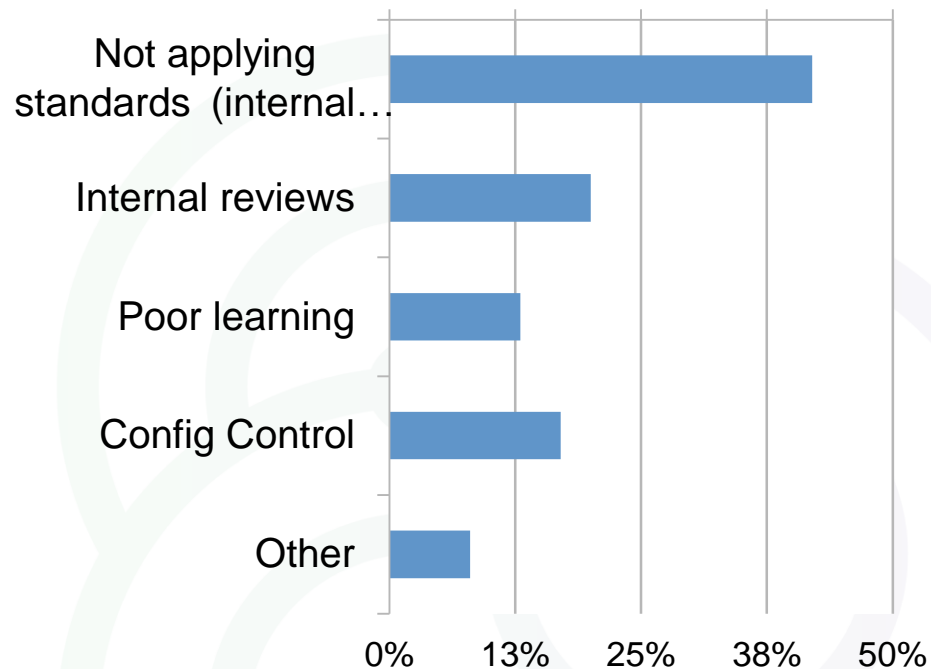
(Clockwise from top)

Data from 2016/17 (not final)

AFI - BROAD CATEGORISATION

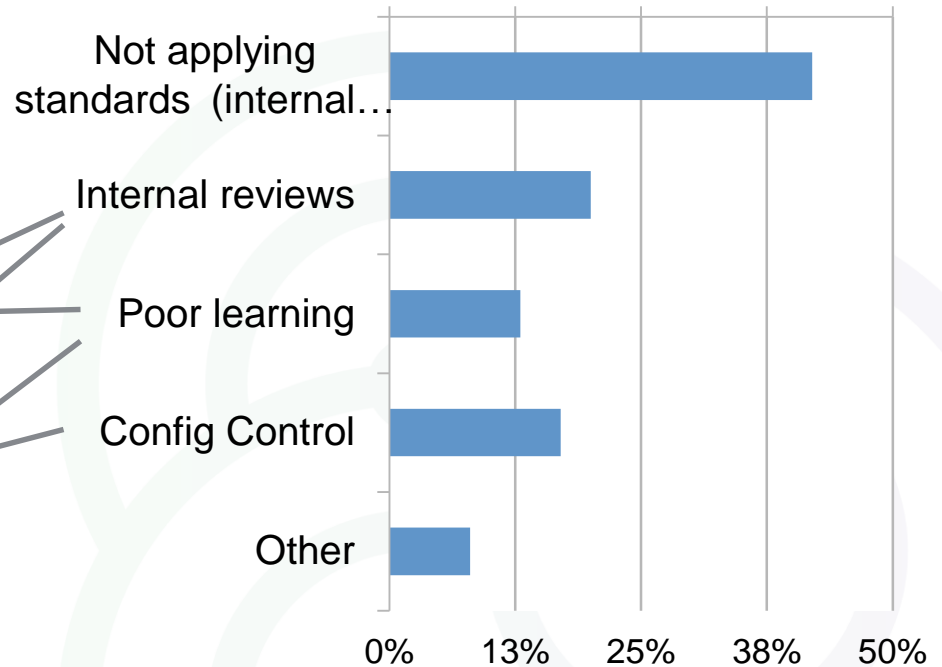


- Not applying standards
- Poor learning
- Other
- Internal reviews
- Config Control



COMMON CONTRIBUTORS TO ACCIDENTS

- Leadership issues
- Operational attitudes and behaviours
- Organisational (business) environment
- Competence
- Risk assessment and management
- Oversight and scrutiny
- Organisational learning
- External regulation



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- Types of inspections
- Inspection process
- What our inspectors look for
- Inspection outcomes**
- Inspection reports

Inspection outcomes

On this page:

- Documentation/record keeping
- Organisation and communication
- Individual people issues
- Equipment facility issues
- Good practices

Information is provided on the common areas for improvement identified during 2015-16 to help licence holders review the issues and identify potential strategies to address their causes.

Documentation/record keeping

Processes or procedures not reviewed

Forty-four percent of the areas for improvement related to documentation, poor record keeping or review practices.

Regular review of processes, procedures and instructions is an important part of any safety system. The review and upkeep of documents demonstrates that risks of activities continue to be adequately controlled and that work is undertaken as designed.

Work places are dynamic environments where personnel, equipment and work requirements change. Work practices tend to drift from how they were originally designed as people perceive easier, more efficient and better ways to complete tasks or adapt to new equipment and work demands. Where processes or conditions have changed without proper evaluation and documentation, risks may not be identified or properly controlled. There are many examples where this has unknowingly led to unsafe practices or accidents.

Category	Percentage
Documentation/record keeping	44%
Organisation and communication	19%
Equipment facility issues	21%
Individual people issues	16%

Data on our inspection findings and other useful information is available from the ARPANSA website:

www.arpansa.gov.au



THANK YOU



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