



Canadian Nuclear
Laboratories

Laboratoires Nucléaires
Canadiens

Recommendations for Developing a Nuclear Security Program

An Operators Perspective

Chris Clark, CNSsP

2024 March 12



A national lab focused on national priorities.

- ✓ Canada's national nuclear laboratory
- ✓ Over 50 unique laboratories, 9000 acre campus
- ✓ Diverse team of >500 PhDs and researchers
- ✓ Broad portfolio in science
- ✓ Labs and project sites across Canada

Canadian Nuclear Laboratories (CNL) is a private sector company with a contract to manage and operate the nuclear research facilities on behalf of Atomic Energy of Canada Limited (AECL), a federal crown corporation

Chalk River Laboratories (CRL), the key asset under CNL management, is located in the Upper Ottawa Valley and a significant employer in the region



Purpose of Presentation

Goals and Outcomes.

- Review the CPPNM/A Fundamental Principles
- Identify Program Focus Areas & Links to those Principles
- Review Recommendations for Program Implementation



CPPN and CPPNM/A

Fundamental Principles



Focus Areas for a Security Program

How to Meet the Fundamentals

- Five Focuses
- One Goal



Governance

- Security Policy
- Management System level
- Line Level
- Contingency Plans

A	B
C	D
E	F
G	H
I	J
K	L

Infrastructure

- Detection
- Delay
- Assessment
- Zoning

A	B
C	D
E	F
G	H
I	J
K	L



Operations

- Security Vetting
- Guarding/Cyber Services
- Nuclear Materials Accounting
- Info Asset Protection
- Emergency Response

A	B
C	D
E	F
G	H
I	J
K	L

Culture

- Training
- Awareness
- Ongoing Engagement

A	B
C	D
E	F
G	H
I	J
K	L

Assessment

- Internal Performance
- External Performance

A	B
C	D
E	F
G	H
I	J
K	L



Pulling it All Together



Thank You

