

Nuclear Criticality Safety

Implementation of NCS Controls at TA-55

LA-UR-18-30698

Presented by:
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NCS Division Leader

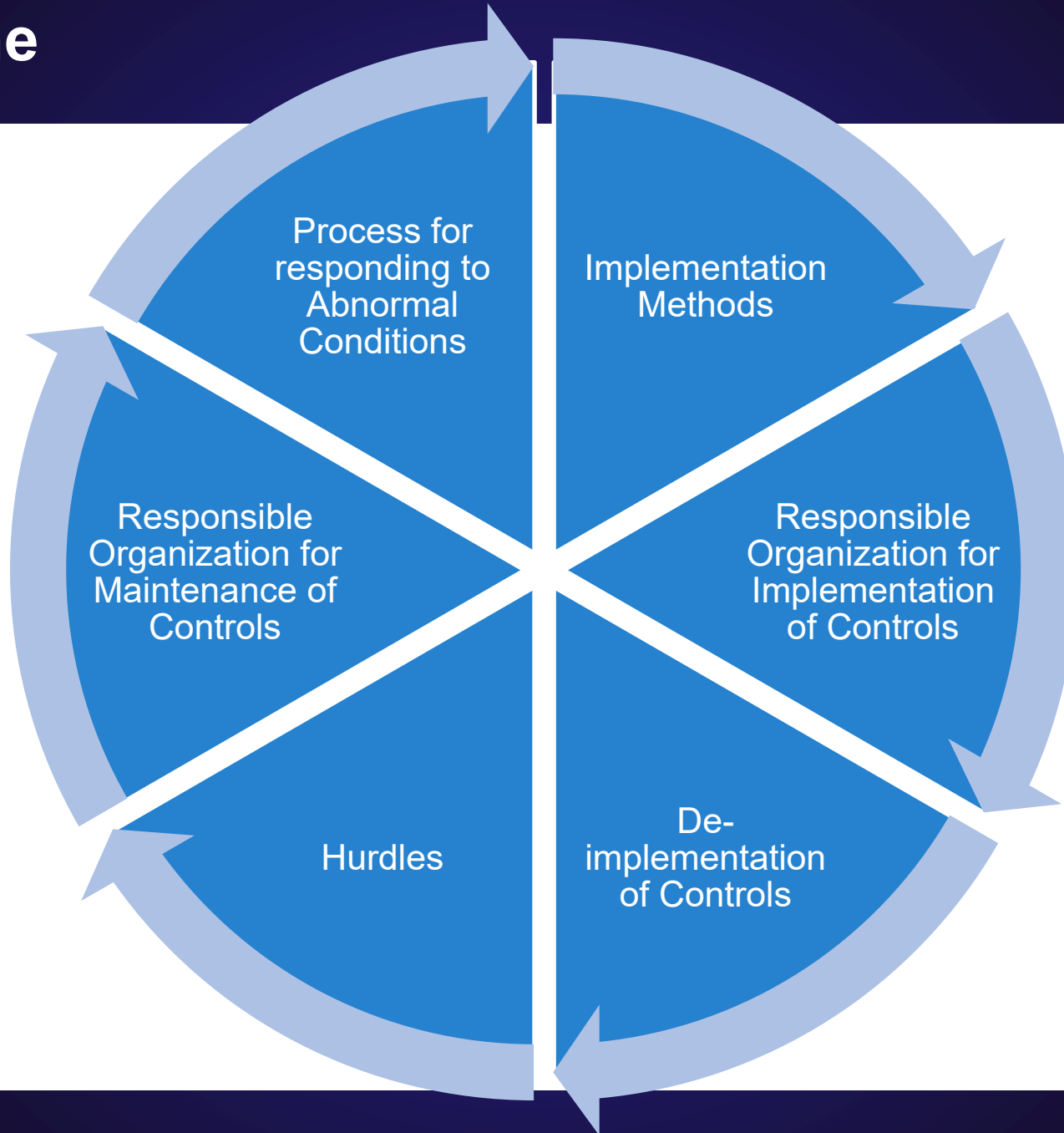
James Bunsen

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Operated by Los Alamos National Security, LLC for the U.S. Department of Energy's NNSA

Outline



Implementation Methods

Administrative Requirements

Detailed Operating Procedures

Criticality Safety Postings

NCS Review

Engineered Requirements

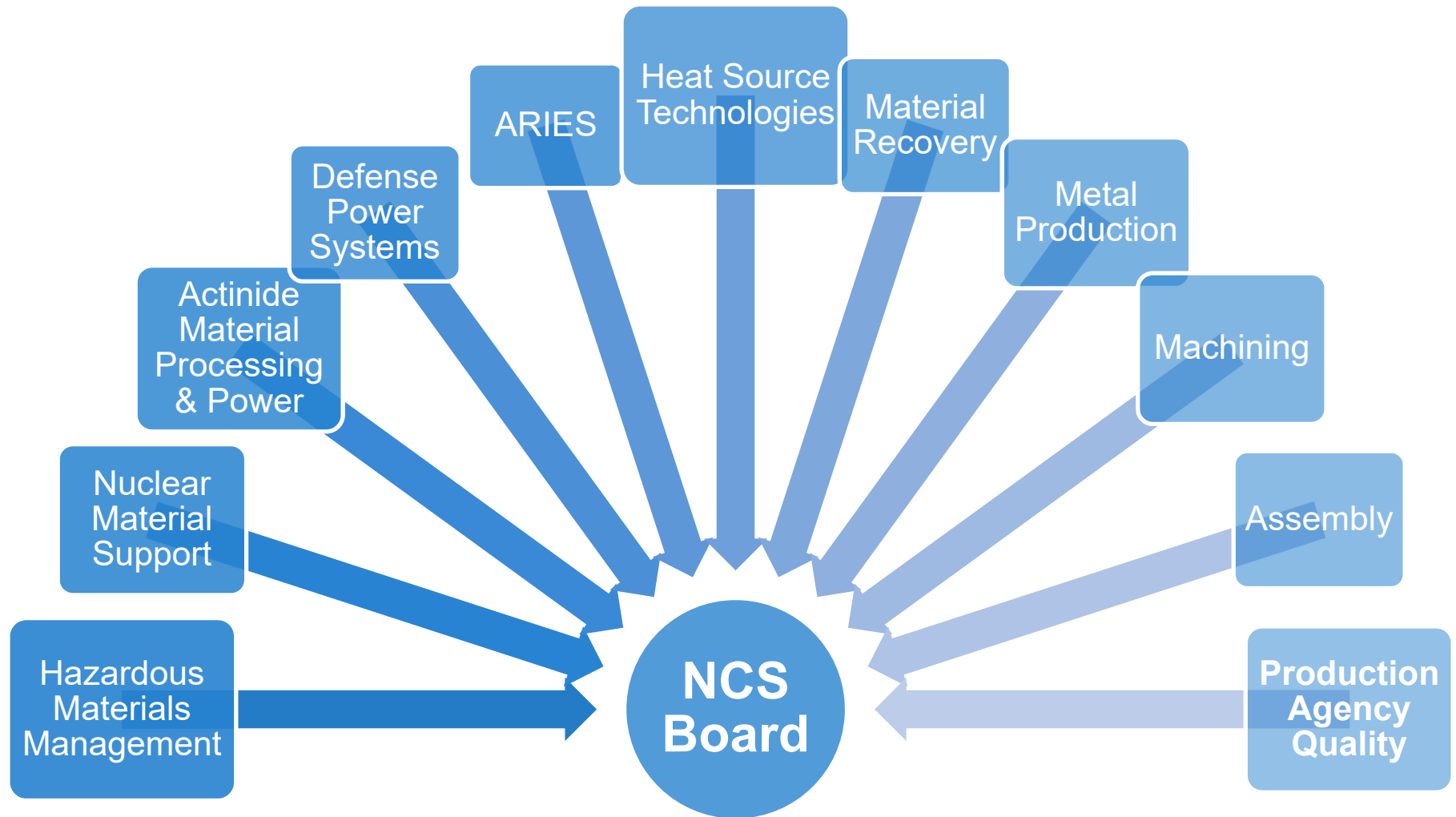
Design features of the structure or component

Facility or programmatic operations fabricate/install

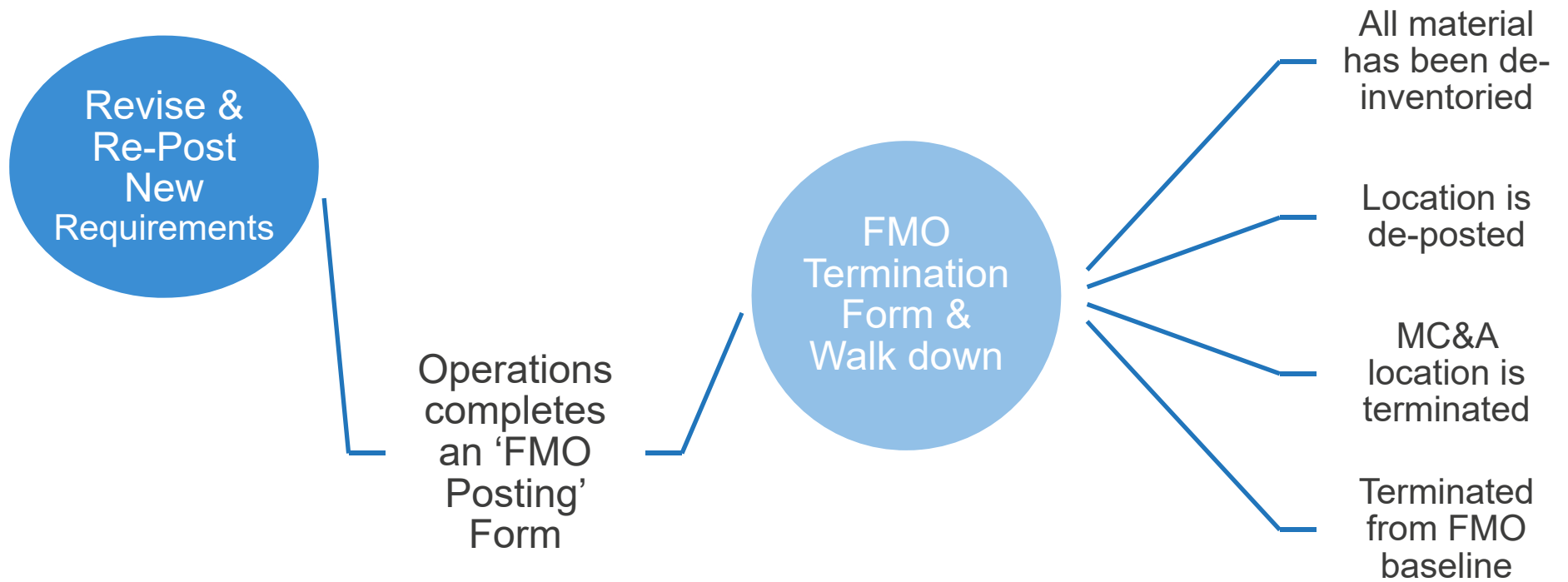
Engineered Control Verification

NCS Annual Review

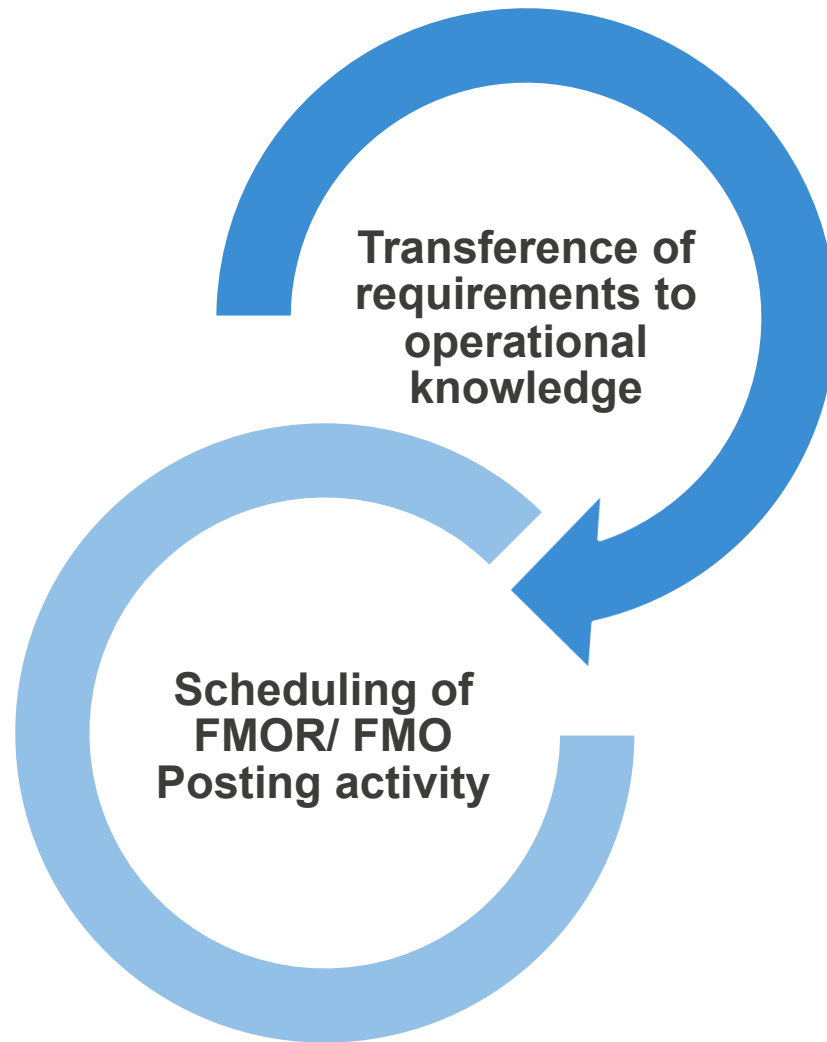
Organizations Responsible for Implementing NCS Requirements



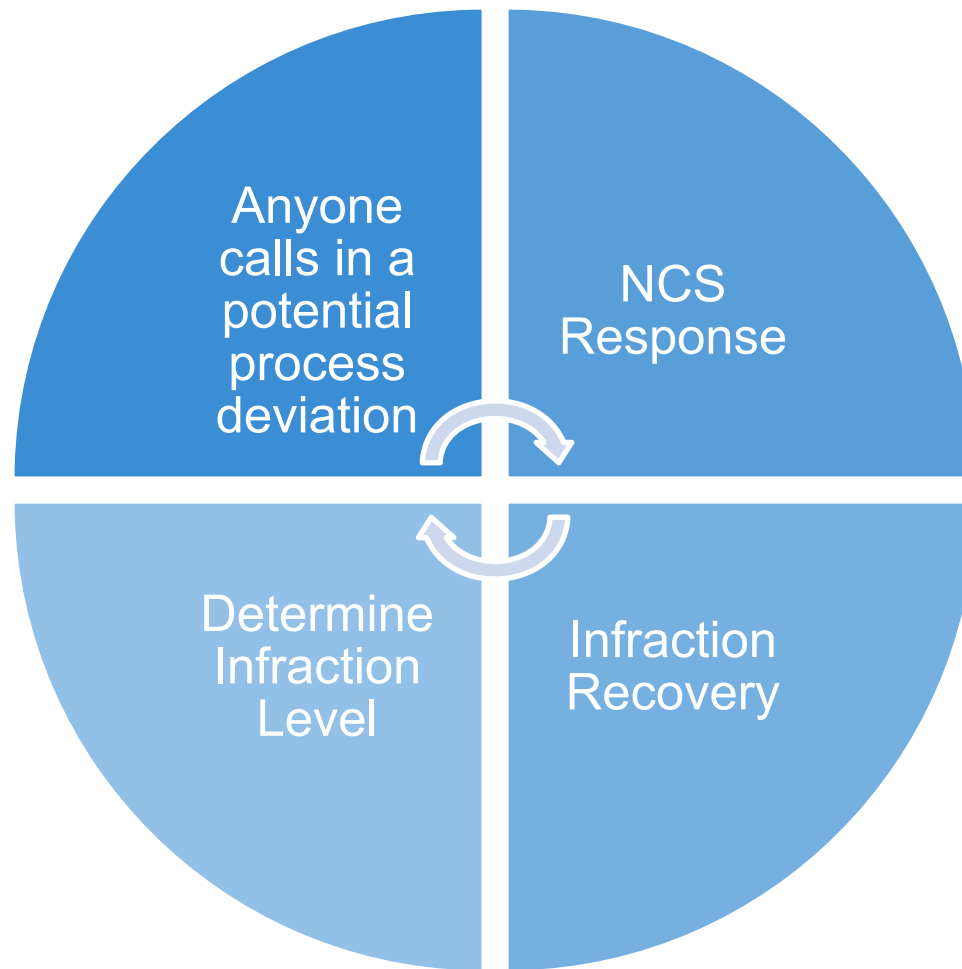
Revision/Removal of NCS Requirements



Hurdles met During Implementation



Response to Potential Process Deviations



Conclusion

- **NCS Program Implemented by Operations Organizations**
- **NCS Division Supports Implementation**
 - Graded approach based on organizational expertise
- **Administrative & Engineered Requirements**
 - Posted on each location
 - Reviewed annually
- **Pause Work/Potential Process Deviations**