



Institute of Nuclear Power Operations

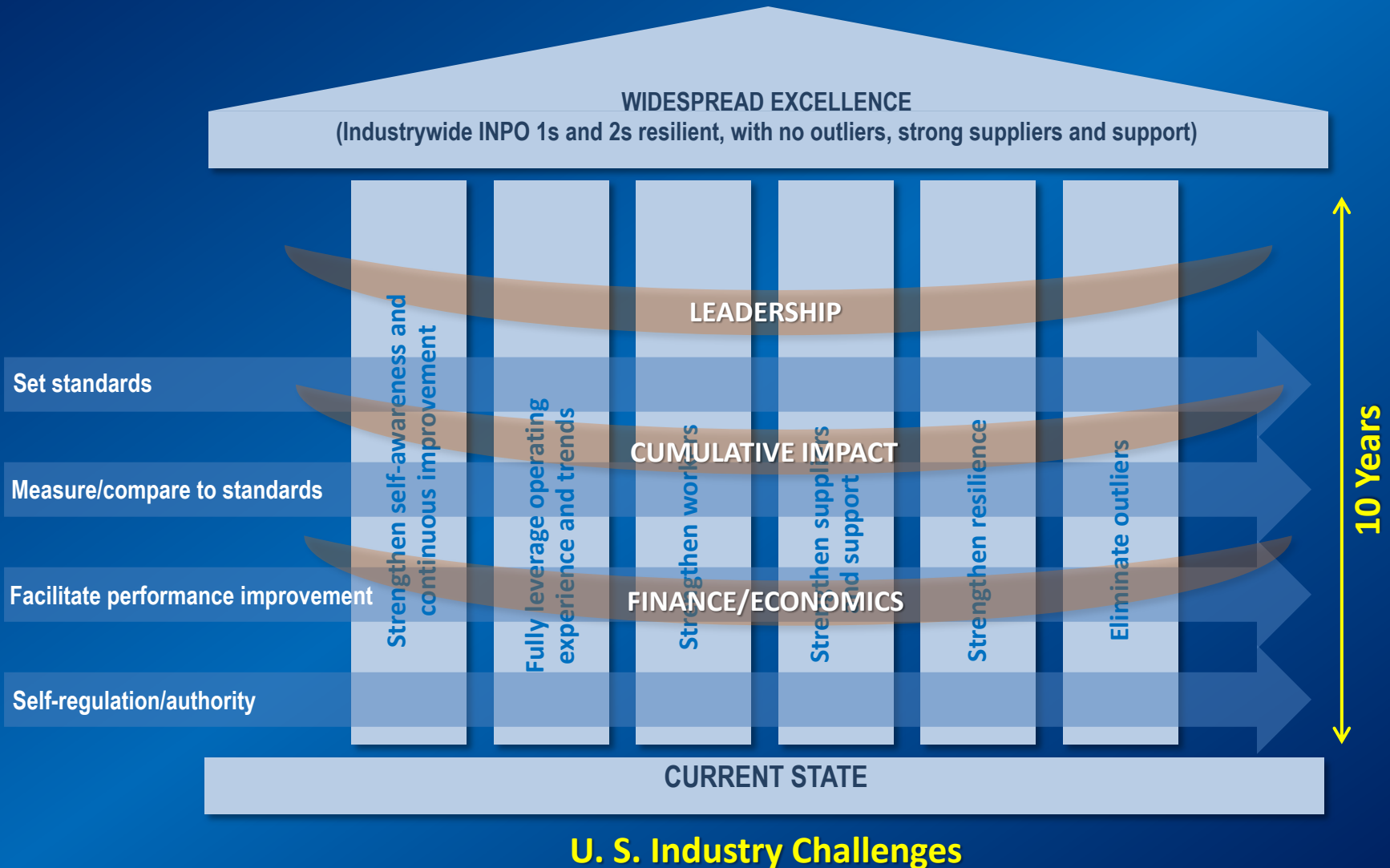
INPO Perspectives and Activities to Enhance Supplier Human Performance and Safety Culture

IAEA Panel Discussion

Bob Duncan

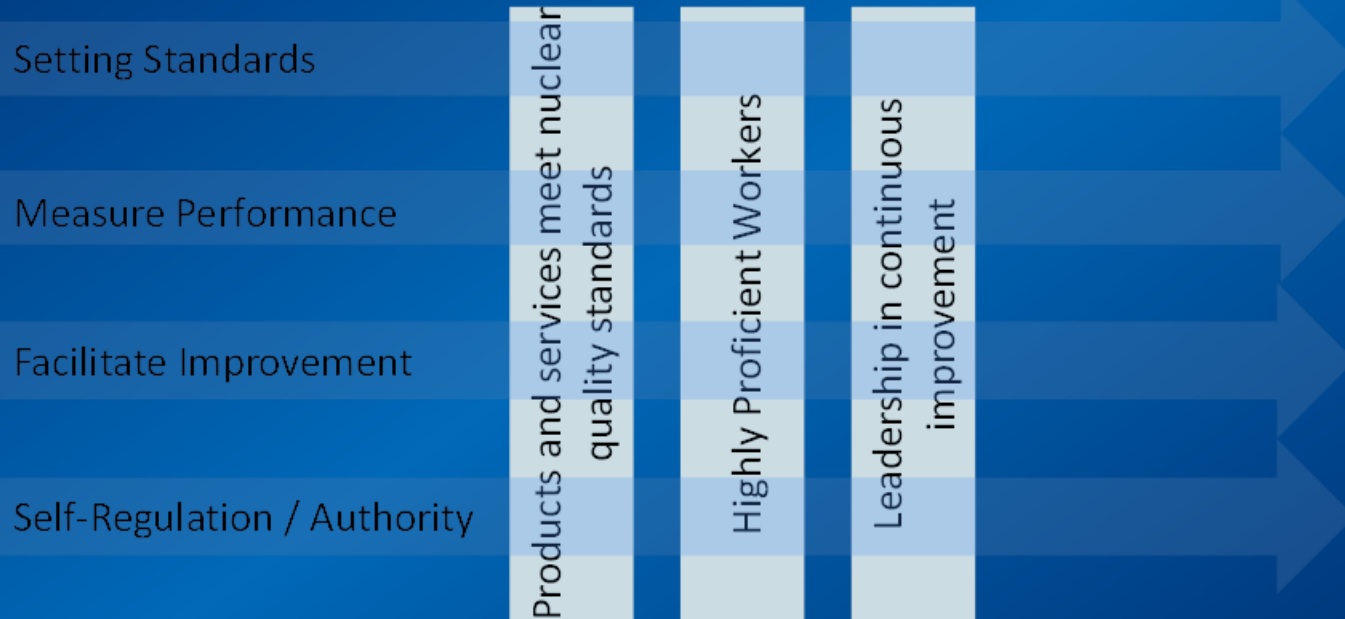
INPO Vice President - Plant Operations

INPO Strategic Design



INPO Supplier Strategy

Suppliers and non-nuclear support maintain high standards and continuous improvement



10 Years

Gaps in Supplier and Non-Nuclear Support Performance

Supplier Participant Program

- Members of the program commit to:
 - *“Driving continuous improvement by achieving high nuclear standards, sharing construction and operating experience, and continuing to enhance nuclear safety and avoid risks to personnel”*
 - Being members of Supplier Participant Advisory Committee (SPAC)
 - Adhering to INPO 14-005, *Principles for Excellence in Nuclear Supplier Performance*

Supplier Strategy Objectives

- No significant events are caused by unsatisfactory supplier or non-nuclear support performance.
- Supplier products and services meet nuclear standards of excellence.
- Supplier's leadership and internal processes support continuous improvement and strive for excellence.

Principles for Excellence in Nuclear Supplier Performance (INPO 14-005) Background

- Key topic of February 2012 SPAC meeting - “Supplier Performance Issues and Achieving Supplier Excellence”
- The first “Principles” SPAC working group meeting March 2013
- First draft June 2013
- Draft “Principles for Excellence in Nuclear Supplier Performance” document - August 2013 SPAC
- INPO 14-005 Excellence in Nuclear Supplier Performance issued - October, 2014

Principles for Excellence in Nuclear Supplier Performance

1. Nuclear Safety Culture
2. Materials, Equipment, Configuration Control and Quality Assurance
3. Human Performance
4. Training and Qualifications
5. Continuous Improvement
6. Operating Experience and Lessons Learned
7. Procurement and Contracting of Materials and Services

Self-Assessment Results

1. Nuclear Safety Culture
2. Materials, Equipment, Configuration Control, and Quality Assurance
3. *Human Performance*
4. Training and Qualifications
5. Continuous Improvement
6. Operating Experience and Lessons Learned
7. Procurement and Contracting of Materials and Services

Identified Change

- Common themes from working group discussions:
 - The importance of bettering partnership with suppliers
 - Including suppliers in project planning
 - Need for developing shared mechanism/database to create and share industry feedback on supplier performance
 - Need to create more consistent industry standards
 - More industrywide communications as to progress

Vision for 2023

- Supplemental and non-nuclear worker errors reduced
- Supplied goods and services do not challenge safety or reliability
- High-quality parts available when required and meet specifications
- Leaders ensure programs, processes and infrastructure create continuous improvement