10 years of MDEP Achievements

- Introduction to MDEP Steering Technical Committee and Working Groups:
- **Background**
- **Roles and Responsibilities**
- **Benefits**
- **External Interactions, and**
- **History of Accomplishments**

- Transition to the following Sessions

Purpose of MDEP

- increased cooperation in design evaluations,
- enhanced convergence (harmonization) of requirements and practices…

Steering Technical Committee Purpose and Goals

The Steering Technical Committee (STC) implements Policy Group decisions by establishing:

- The Structure,
- The Work Practices,
- The Programme Plans, and
- The Common Positions

Steering Technical Committee Actions

Implements PG decisions on membership:

- Translates PG direction into specific activities
- Integrates new members into STC and WGs
- Forms new working groups
- Reviews and approves programme plans
- Reviews and approves Common Positions and Technical Reports
- Provides recommendations to the PG
- Coordinates External Cooperation and Communication

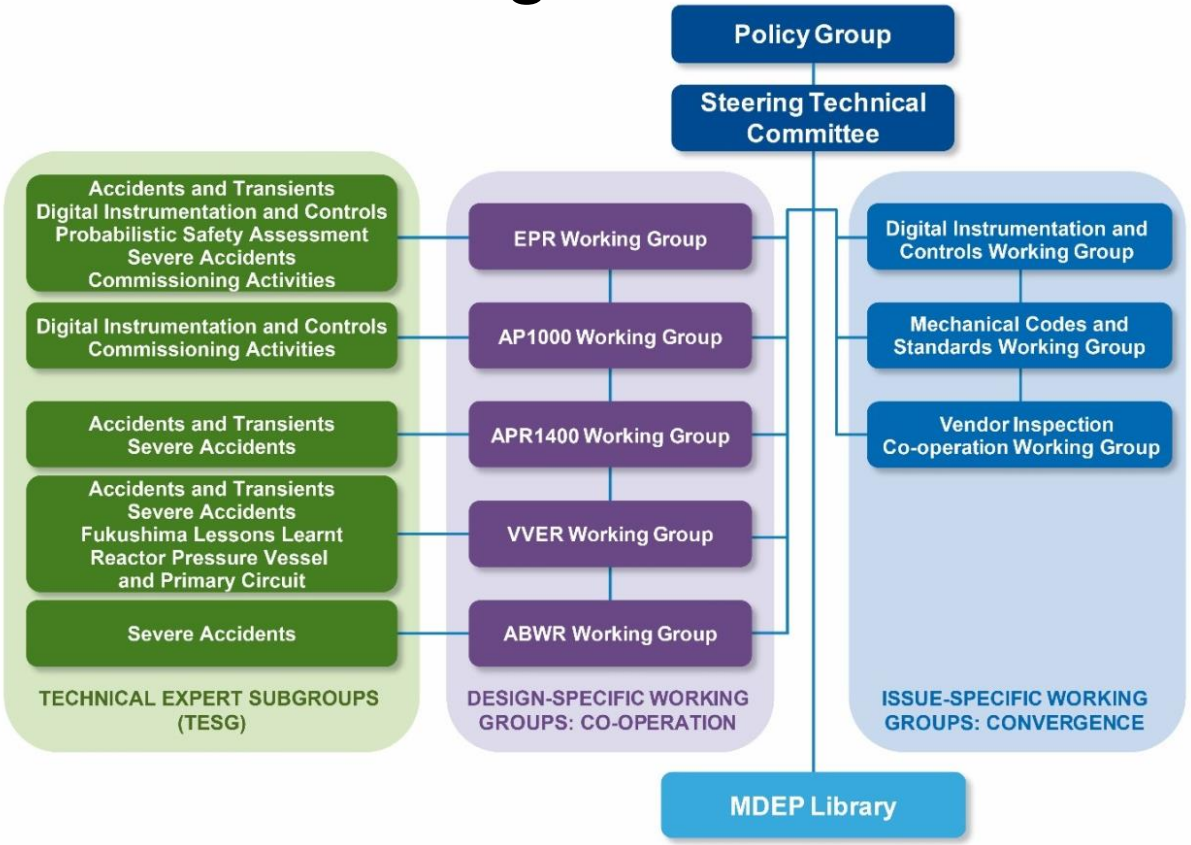
STC Accomplishments

STC undertook special projects:

- Safety Goals Paper (published on MDEP website and shared with IAEA)
- 2011 draft Generic Common Position on Fukushima Daiichi Related Issues
- MDEP Self-Assessment, 2011 report on MDEP website discussed with PG
- First-Plant-Only-Tests, 2016 [to be discussed in Session 5]
- Fukushima-Daiichi Accident Common Positions, 2016 [to be discussed in Session 4]

- Annual reports
- MDEP conferences

MDEP current organisational structure



Design-Specific Working Groups

benefits and historical accomplishments

- 14 Common Positions and Technical Reports
- Increased Cooperation in design evaluations
- Increased Communications
- Greater degree of harmonization in review practices
  [to be discussed in Session 4]

Codes and Standards Working Groups

benefits and historical accomplishments

- Pressure boundary code comparison (with industry cooperation)
- Regulatory Frameworks for Pressure-Boundary Codes and Standards
- Lessons Learnt on achieving harmonization
- Fundamental Attributes for Pressure-Boundary Components
- Essential Performance Guidelines for Pressure Boundary Components

[to be discussed in Session 1]

Digital I&C Working Groups

benefits and historical accomplishments

- 13 Common Positions on critical Digital I&C Issues
  Common Position Development by numerous members
- Common Positions Organized around Hazards Analysis
- Used in Design-Specific Evaluations
- Input to IAEA Standards
- Coordinated with IEC and IEEE
  [to be discussed in Session 2]

Vendor Inspection Cooperation Working Groups

benefits and historical accomplishments

- Vendor Inspection Protocol
- Quality Assurance (QA) requirements survey
- Common Positions on QA/QM Criteria
- Technical Report on Vendor Inspection Good Practices
- Technical Report on Multinational Vendor Inspection
- Numerous MDEP Vendor Inspections

[to be discussed in Session 3]

Interactions with external organizations

STC identifies ways to work with and influence other programs and organizations:

- With IAEA (from the very beginning)
  - IAEA programs and activities discussed at all STC meetings
  - MDEP STC Safety Goal paper forwarded to IAEA
  - MDEP DICWG Common Positions provided to IAEA
  - MDEP members coordinated views on Safety Classification

Interactions with external organizations

With Standards Development Organizations:

- ASME, AFCEN, CSA, JSME, KEA, and NIKIET
    - Encouraged development of:
        - the Code Comparison Report
        - the Code Convergence Board
        - the Regulatory counterpart forum

- IEC - IEEE joint cooperation agreement

Interactions with external organizations

With WNA/CORDEL:

- STC coordinates with WNA/CORDEL Working Group
- DICWG and CSWG reports and studies provided to CORDEL
- CORDEL Taskforces coordinated efforts with MDEP

With WENRA

With GIF

The Continuing Evolution of MDEP

- Existing Design-Specific Working Groups in transition
- New Design-Specific Working Groups, as needed
- New members when appropriate
- Generic Activities in transition to NEA Committees
- Increased Coordination and Interaction…
- Positive influence on IAEA and NEA/CNRA

  [to be discussed in Session 6]