CORDEL Activities and Future

CORDEL Vision and Action Plan

- CORDEL represents “utilities and vendors” to promote “standardization” by proactive interactions with MDEP and other regulatory initiatives. Task Forces have been formed to support and advance the following areas:
  - Codes and Standards -
  - Licensing and Permitting -
  - IAEA Safety Standards -
  - Design Change Management -
  - Probabilistic Safety Goals -
  - SMRs
CORDEL Group
(representatives of 48 companies and organisations)

Steering Committee
Chairman, Vice Chairman
12-15 Representatives of Vendors and Utilities

Task Forces
- Design Change Management
- Licensing & Permitting
- Codes & Standards
- IAEA Safety Standards revision
- Probabilistic Safety Goals
- Others

TF Chairs: experts from WNA member companies

WNA Board
Board Mentor for CORDEL is Aris Candris, CEO of Westinghouse
Action Plan 2011

- Interaction with MDEP & other regulatory initiatives
- IAEA safety standards: -(additional presentation today)*
  - Globalization implies greater use of IAEA Safety Standards and more effective IAEA Safety Standards
  - To be successful - requires much greater input from industry than in the past - Review Safety Classification of SSC (DS 367)*
- Standards and codes TF: (presented by Nawal Prinja on Sept 15)
  - You asked us to look at this
  - Cooperate with SDOs of various countries in convergence of industry codes
Probabilistic safety goals TF:

- MDEP recognized importance of this issue
- Great relevance to industry
- Wide variety of PSA methods hinder internationalization
- TF will comment on and input to IAEA activities

Licensing and permitting TF (additional presentation today)

- how regulatory regimes can best reduce project risk.
- aspects of the regulatory regime better suited for multinational approach
- SMRs TF:
  - encouraging commercial development
  - Identifying regulatory practices that hinder international deployment

- Design Change Management Task Force:
  - Standardization needs to be maintained throughout life
  - Requires a fleet oversight – who does this?
  - Needs a fleet design authority? Fleet configuration control?
  - Across country boundaries?
Fukushima event and related reviews have demonstrated that “design authority” and design change management are not effective – Mark 1 Containment Vent System modifications and implementation across fleet, a large number of issues/deficiencies identified by WANO SOER ++

Unique Opportunity to examine current gaps, failures, root causes and to institute effective “execution” of design authority and design change management (plant life 60-80 years).

CORDEL DCM Task Force reviewing industry practices (operators, vendors and owner groups) to propose options for effective implementation.
For example - CORDEL sent a survey request to all owner groups – to date - 5 large owner groups have responded:

- FROG (Framatome Owners Group)
- OKD Gidropress (Russian NSSS vendor)
- COG (Candu Owners Group)
- PWR Owners Group (USA and International)
- JPOG (Japan PWR Owners Group)

Interim results identified interesting insights and some “best practices” to execute “design authority”
Deliverables and Target Completion Dates:

- **Complete surveys and reviews** for the “best in class” practices among the reactor licensees, vendors and owner groups to execute “design authority” that maintains or improves NPP safety over its entire lifetime.
  - TCD. - Q4/2011

- **Prepare a report** for implementing an "effective change management and design authority" taking into account:
  - Roles of National Regulators, International agencies
  - Roles of Licensee, vendors, owner groups and the public
  - Fukushima and related review lessons learned
  - Potential lessons learned from related industries such as aviation
    - TCD – Q1/2012
Cordel - Future Activities

- **Digital I&C**
  - Review vendor experience in meeting different regulatory regime expectations
  - Contribute to MDEP’s work on I&C
  - Disseminate MDEP positions amongst members
- Comment on regulatory views on post-Fukushima actions concerning new build
  - Comment on any variation of regulatory views
- TF will review probabilistic methods for demonstrating seismic adequacy