



World  
Nuclear  
Association

## **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



## WNA Board

Board Mentor for CORDEL is ~~Aris~~ Candris, CEO of Westinghouse

# CORDEL Group

(representatives of 48 companies and organisations)

## Steering Committee

Chairman, Vice Chairman

12-15 Representatives of Vendors and Utilities

## Task Forces

Design  
Change  
Manage-  
ment

Licensing &  
Permitting

Codes &  
Standards

IAEA Safety  
Standards  
revision

Probabi-  
listic  
Safety Goals

Others

TF Chairs : experts from WNA member companies

# 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

# ***CORDEL - Action Plan 2011***



- 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

# CORDEL - Action Plan 2011



## ➤ 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?

# Action Plan 2011 – Design Change Management



- **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.

# *Action Plan 2011 – Design Change Management*



- For example - CORDEL sent a survey request to all owner groups – to date - 5 large owner groups have responded :
  - FROG (Framatome Owners Group)
  - OKD Hidropress (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”



# Action Plan 2011 – Design Change Management



## 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



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