

International Issues 1/4

Develop CM procedures for new plants

- translating procedures from international sources
- knowing when to update documents / software

NPT (non-proliferation treaty)

- required ~~in~~ for international builds to use U.S. tech.

Strategies need to be discussed at a larger level due to expansion of nuclear

EPCs vs EDAs

Contractual promises fail to trickle down to CM processes.

"Standard Reference" designs

- how to expand the standard design (Vogtle) to customers with specific needs

International Issues 2/4

Workgroups imported from international regions
and may be resistant to processes ~~fr~~ and tools
from other regions

- may not practice the "expected" lines of communication

World Bank started to agree to finance new builds

Check installation status against documentation!

due to parallel construction tasks and lack of

communication, some ~~cm~~ CM documentation did not occur

manipulation of components after final tests

lack of documentation

* focus on training!

importance of CM audits

DE focuses on events.

There is a need to review design changes
developed to prevent events and solve issues

- then apply reviews of design changes to
the new builds

International Issues 3/4

Certification of "standard" designs intended for use in different regions - who stamps them?

Does application of a marking after certification (export control, etc.) render it a new revision?

- Westinghouse designated documents with a site-specific code
- consider a parent-child relationship

How to manage and introduce a structured CM program to a company that does not yet have one?

- How to justify ADDING new positions specifically for CM? (versus managed by Maintenance)

How does CM fit into the organizational models of individual utilities?

- what works, what doesn't?
what might you try differently?

Traditional (maintenance) plants vs Expansion/New

Who does what regarding reviewing and approving design basis documents (not a CM function...?)

answer: should be the design authority (engineer)

International Issues 4/4

Export control topic:

- markings vs labeling vs document control
- metadata and other information that does not influence design
- what can be shared?

Export control can affect parts procurement

How and when to update FSARs for twin units?

- if one ^{unit} has been modified and a similar update is planned for the second unit at the next outage?

emerging issue: control of interface of nuclear with non-electric applications

What is the CMBG's role in the emerging international ^{nuclear} ~~co~~ community?

③

- What product are utilities seeing from EOCs at Final meeting
 - TVA 50/50 that all calculations/documents approved (Columbia)
- How deep are OARs at each utility
 - some use graded approach
 - if an error is found will go deeper review
 - some engineers find an error and feel they need to review all deeper
- How many hours allowed for review
 - 1 week for Calc, 2 weeks for Design
- EOC bidding
 - TVA + SNC do not normally bid
 - Dominion has used a combined T+M and Fixed Price