



IAEA Program for International GALL (IGALL)

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Division of License Renewal

NEI/NRC Quarterly Meeting

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Background

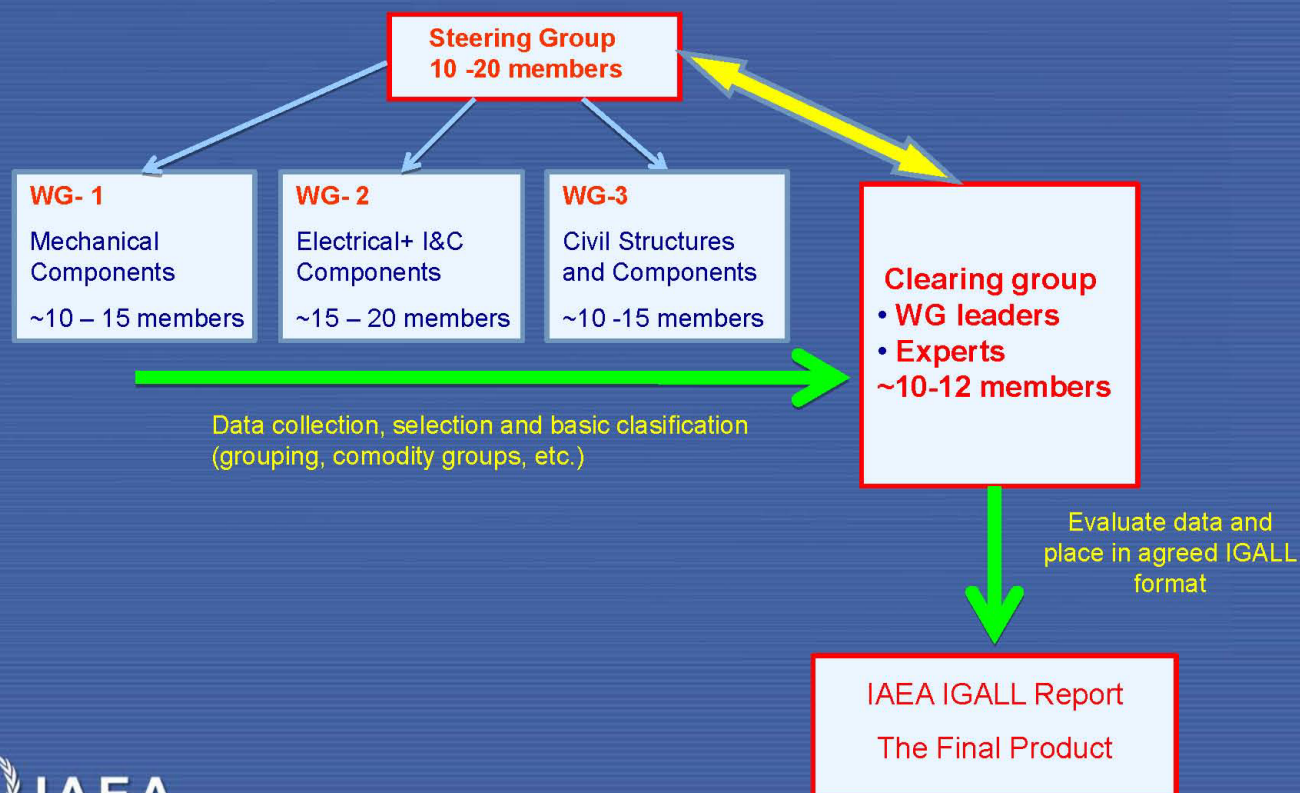
- IAEA meetings advocated IGALL
 - Technical meeting in May 2009
 - Conference on Operational Safety (June 2010)
- Program initiated in September 2010
- Provides framework on aging management for use by all countries

International Generic Ageing Lessons Learned, Programme

- Development of a **state-of-the-art International Generic Ageing Lessons Learned (IGALL) Report**, as guidance on recommendable ageing management programmes.
- Ground for implementation of **recommendable AMPs** for NPPs with **diverse technologies**: PWR(VVER), BWR, CANDU, PHWR, etc.
- Fundamental document in **supporting a systematic approach to managing ageing** of a variety of structures or components as described in the Safety Guide NS-G-2.12.
- IGALL should establish a **model for a common ground of discussion between regulators and utilities** regarding acceptable ageing management programmes
- The IGALL report will **be updated periodically at least every 5 years**. Perceived as a **“living document”**.

International Generic Ageing Lessons Learned Report (IGALL)

EBP IGALL organization



NRC Participation

- Chairman of Steering Group
- Member of Clearing Group
- Chairman of Working Group 1
 - Mechanical Components
- Co-chairman of Working Group 2
 - Electrical and I&C Components
- Co-chairman of Working Group 3
 - Civil Structures and Components

Process to Develop IGALL

- IGALL starts with GALL (Rev. 2)
 - Aging management review (AMR) tables
 - Aging management programs (AMPs)
 - Time-limited aging analyses
- IGALL development activities
 - Add AMR table information from other member states – reduce inputs to a single entry for IGALL report
 - Add international references

Differences with GALL

- AMR tables
 - Table columns re-ordered
 - Active components included
- Aging management programs
 - 9 elements (vice 10 elements)
 - References are international (IAEA and other member states)
 - AMPs in WG2 and WG3 may differ from GALL

Preliminary schedule of IGALL Programme for 2010 -13

2010

- *September 1-3, IGALL Programme kick-off meeting – SG*
- *December, 6- 8 WG 1*

2011

- *1st Q WG 2- 3 meeting (17 – 20 January 2011)*
- *2nd Q Coordination, Clearing Group+WG leaders*
- *2nd/3rd Q WG 1-3*
- *4th Q SG meeting*

2012

- *1st Q WG 1- 3 meeting*
- *2nd Q Coordination, Clearing Group+WG leaders*
- *3rd Q WG 1-3*
- *4th Q SG meeting*

2013

- *1st Q WG 1- 3 Final meeting*
- *2nd Q Final meeting of Clearing Group+WG leaders*
- *3rd Q Final SG meeting (and IAEA TM on IGALL and plant ageing management)*

Impact on United States

- We will continue to use GALL
- Understand operating experience and aging management approaches from other participants
 - Review of new information from other countries for relevance to US
 - May propose changes to GALL

Benefits to U.S.

- Ensures proper use of GALL (context, background, purpose, etc.)
- Enables better international understanding of U.S. philosophy on aging management
- Provides a consensus resource for countries lacking infrastructure of U.S. – safer and more consistent international plant operation
- Opens discussion avenues on international operating experience and approaches to aging management