



**WANO - Strengthening Nuclear Safety**

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RIC – NRC, March 2015

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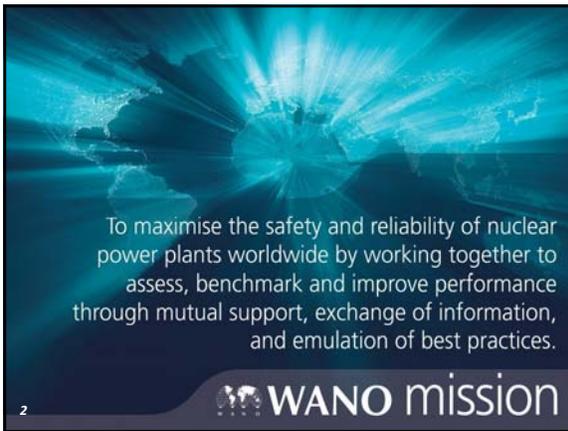
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**Peer reviews : the heart of WANO**



WANO's activities are concentrated in 4 main programmes:

- Peer Reviews
- Operating Experience
- Professional and Technical Development
- Technical Support and Exchange

These programmes work together to drive continuous performance and safety improvements.

**But peer reviews is at the centre of WANO's activities...**



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### WANO peer review programme (1)



**Peer reviews :**

- To compare operational performance against standards of excellence through an in-depth, objective review done by an independent international team from outside the organisation
- The result is a frank report that highlights strengths to be emulated and areas for improvement to be corrected in nuclear safety

**Follow up peer reviews:**

- To examine the right implementation of corrective actions decided after the peer review – the peer review process does not end once the team leaves the site.

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### WANO peer review programme (2)



**Pre-start up peer reviews:**

- To provide all new units with a pre-start up review done by an international team of experienced peers before first criticality
- WANO opened a dedicated office in Hong-Kong, Asia being the region with the greatest number of pre-start up reviews to be conducted in the coming years

**Corporate peer reviews:**

*Because safety culture is important from the boardroom to individual plant operator...*

- To examine how decisions made at a member’s headquarters affect nuclear safety across the organisation and how the corporate office supports the stations.

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### An assessment programme reinforced



After Fukushima, we decided to reinforced our assessment programme

**1 site review every 4 years** for each of the ~ 220 sites worldwide

Before 2017, **1 Corporate Peer Review for every company** ~ 130 members

- + Systematic pre-start-up peer reviews
- + Shutdown & restart reviews ongoing in Japan

► **A stronger follow-up** : Corrective actions towards AFIs to be compulsory

► **WANO assessment process to be implemented applicable to all nuclear power stations worldwide...**

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### WANO Assessment (1)



**A logical process consecutive to the Peer reviews programme**

- To compare and categorize nuclear plants worldwide
- Based on the results of the peer reviews and the observations done by the review team of course
- But also enriched with all WANO's interactions: reported events, WANO safety indicators, technical support missions etc.
- Process comparable to the INPO assessment, but done at the world level...

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### WANO Assessment (2)



**A process being currently implemented and tested in all WANO regions**

- Help improve plant performance by providing CEOs with additional, independent information
- Gauge a station's overall performance relative to excellence using consistent, defined WANO processes and practices
- Provide significant input to identify plants that pose higher risks to broad operational nuclear safety and prioritise global support
- Identify high-performing plants so best performance/practices in specific areas can be emulated.

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### WANO Assessment – major principles



**WANO established common principles and methodology for all its regions**

1. Consistent methodology
2. Consistent scale and description of the 5 WANO assessment levels
3. Consistent methods and personnel qualifications for WANO assessment
4. Consistent inputs
5. Consistent communication of WANO assessment results
6. Assurance of WANO assessment confidentiality and security
7. Ensure consistency in implementation

**Assessment committees are regional with representatives from other region(s) and, as frequently as possible, from the WANO-LO to ensure worldwide consistency.**

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### WANO Assessment first results



**Independent and extensive assessment that, along with a WANO Peer Review, provides a valuable tool to improve performance**

- ❑ Exit Representative will privately inform CEO of rating at the exit meeting
- ❑ An first anonymous rating overview at the 2015 Biennial General Meeting in closed session to understand station performance relative to the industry
- ❑ Results are strictly confidential and **NOT TO BE RELEASED TO THE PUBLIC**
  - ❑ WANO Assessment rating can be shared with staff on the basis of this confidential policy.



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### WANO Plants of focus (PoF)



- ❑ Main objectives of Plants of Focus programme:
  - ❑ To identify plants that represent a higher operational safety risk or need additional assistance
  - ❑ To ensure the awareness of the CEOs concerned
  - ❑ To provide those plants with additional regional and/or global support
  - ❑ To implement an enhanced monitoring of those stations
- ❑ Accountability for PoF is regional, though guidelines and oversight are monitored by the WANO London Office to ensure consistency of the methodology worldwide
- ❑ Road map:
  - ❑ From June 2015: Staged implementation after approval of operational guidelines by regional directors.

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Thank you for listening

For more information please visit [www.wano.info](http://www.wano.info)




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