“WANO actions to reinforce the Operators Safety Culture worldwide”

Jacques Régaldo, Chairman of WANO
To maximise the safety and reliability of nuclear power plants worldwide by working together to assess, benchmark and improve performance through mutual support, exchange of information, and emulation of best practices.
WANO after FUKUSHIMA

FIVE STRATEGIC ORIENTATIONS TO STRENGTHEN WANO AND ITS FOCUS ON NUCLEAR SAFETY:

- To expand the scope of WANO’s activities
- To develop a worldwide integrated event response strategy
- To improve WANO’s credibility including important changes to WANO’s peer review process
- To improve visibility and transparency
- To improve internal consistency
WANO after FUKUSHIMA

TO IMPROVE THE WANO PEER REVIEW PROCESS:

• Peer Review frequency increased to every 4 years with systematic presence of international experts to emulate best practices
• Corporate Peer Review every 6 years (well adapted to evaluate the Company Safety Culture and the support of the Corporate Level to the Nuclear Plants)
• Pre-start up Reviews for every new nuclear plant and Restart Reviews in Japan
WANO after FUKUSHIMA

TO EXPAND THE SCOPE OF WANO’S ACTIVITIES: TO INTEGRATE SOME DESIGN ASPECTS

• For example, to check the ability of each operator to deal with a continuous design improvement process
• For example, to check that New Entrants have the ability to monitor correctly the licensing process

THE ROLE OF A NUCLEAR OPERATOR IS NOT ONLY TO OPERATE SAFELY, BUT ALSO TO BE SURE THAT THE PLANT HE IS OPERATING IS SAFE
Cooperation with International Safety Organisations

Coordination with IAEA and other organisations

INRA
MDEP
WENRA

Harmonisation
Benchmarking

Nal Reg

IAEA

Harmonisation
Credible Safety Authority

Governments

International Level

Cooperation
Lessons learned

WANO

Oversight

INPO
FEPC
JANSI
JAIF
CNEA
WNA
NEI
NEA ...

O.E.

Operators

Regional & National Level

Information

Oversight
A stronger commitment to Safety to recover the Trust

Nuclear acceptance shaken by Fukushima

Credibility of Regulators:
Independence

Credibility of Operators:
Skills, Transparency & Financial capacity

High level of Safety
A stronger commitment to Safety to recover the Trust

Make sure that:

- No one is isolated in the field of economy, politics or competencies
- No one ignores the events happening elsewhere
- No one deals with a problem without the solution, if it exists elsewhere
- No one is too complacent or refuses openness and self-questioning
Cultural barriers to Nuclear Safety

- The exchange of operating experience at an international level is the foundation of WANO.
- The cultural diversity is a real strength if this exchange is based on an open attitude and the confidentiality that WANO guarantees to its members.
- However, there are also cultural or political, even economical, barriers to safety culture.
- I will give a few examples in relation to recent events, but the list could be much longer if I had considered other incidents or older accidents.
Cultural barriers to Nuclear Safety

“Based on the lessons learned from the accident, to enhance the nuclear safety so that a similar accident never happen again:

- It is necessary for operators themselves to engage in continuing measures to improve safety, and to engage in an untiring pursuit of the world’s highest levels of safety with questioning attitudes.
- Safety improvement must not become a self-centered, self-satisfied activity of the operator alone. Rather, it requires constant evaluation from different perspectives”.

Mr Yagi - FEPC
during the 2013 WANO BGM
Cultural barriers to Nuclear Safety

“The cause of the accident is not the inevitable result of Nuclear Power technology, but rather the inevitable result of the management system”

Institutional defect / Lack of imagination
insufficient robustness and preparations:
- design height of tsunami
- prolonged Station Black Out
- loss of Ultimate Heat Sinks
- Severe Accident in multi-units
- emergency preparedness, etc.

It is a matter of Safety Culture

…”questioning attitude”

Mr Hattori - JAIF
during the 2013 WANO BGM
A stronger commitment to Safety to recover the Trust

CEO Responsibility / involvement

=> Necessity to continuously show that Safety is the first priority

=> Necessity to improve skills and to renew and train competencies

=> Better use the WANO programmes (Peer Reviews, Technical Support Mission, ...) in order to be open to the best practices
WANO Member Obligations

WANO membership is voluntary; however, with membership comes the following obligations:

- CEOs actively participate in WANO
- WANO Governors are member CEOs or senior executives
- Safeguard confidential information
- Provide resources – fees and personnel
- Host peer reviews – operating, pre-startup, and corporate
- Correct performance issues in a timely manner
- Share operating experience and implement SOERs
- Provide participants for seminars and workshops
- Participate in technical support missions, report performance indicators, and use Guidelines/Good Practices
Conclusion

IAEA ↔ States
Regulators ↔ Other Regulators & States
WANO ↔ Operators

(All without exception, including New Entrants)

WANO PEER PRESSURE TO PARTICIPATE TO THE HIGHEST STANDARD OF SAFETY

WANO facilitates direct links between CEOs
If a CEO does not meet his obligations, the WANO Board or a team of Peer CEOs will discuss directly with him (escalation process)
We all rely on each other to improve safety!

Thank you