

67th IAEA General Conference

NUCLEAR
HARMONIZATION &
STANDARDIZATION
INIITIATIVE

The IAEA Nuclear Harmonisation and Standardization Initiative (NHSI) for the effective global deployment of safe and secure advanced nuclear reactors

Side Event during 67th IAEA General Conference
27th September 2023, 14:00–15:30, Room CR4

More than a year after establishing the Nuclear Harmonization and Standardization Initiative (NHSI), this side event will share the latest information on the goals and progress made by both Regulatory and Industry tracks and discuss the way forward. The IAEA has launched the NHSI to advance the harmonization and standardization of SMR regulatory and industrial approaches. The initiative is comprised of two separate but complementary tracks: the NHSI Regulatory Track and the NHSI Industry Track.

The NHSI Regulatory Track, chaired by the Director of the Division of Nuclear Installation Safety, is comprised of three working groups: building an information sharing framework, development of a multi-national pre-licensing regulatory design review, and development of approaches to leverage other regulator's reviews and support regulators undertaking collaborative reviews.

The NHSI Industry Track, chaired by the Director of the Division of Nuclear Power, is focused on four topics: harmonization of high-level user requirements, common approaches on codes and standards, experimental testing and validation of design and safety analysis computer codes for SMRs and accelerating the implementation of nuclear infrastructure for SMRs.

This side event intends to provide an update on the progress of the initiative, highlight the role governments can have in the initiative, and reinforce the benefits of harmonizing regulatory environments and standardizing industrial approaches for advanced nuclear technologies.

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Event Programme

Opening Address

Rafael Mariano Grossi

IAEA Director General

Introduction and update of the NHSI Regulatory Track

Anna Bradford

Director of the Division of Nuclear Installation Safety and Chair of the NHSI Regulatory Track

Introduction and update of the NHSI Industry Track

Aline des Cloizeaux

Director of the Division of Nuclear Power and Chair of the NHSI Industry Track

Q & A Session

Closing Remarks

Lydie Evrard

Deputy Director General,
Head of Department of Nuclear Safety and Security

Mikhail Chudakov

Deputy Director General,
Head of Department of Nuclear Energy