

Initiatives of the TSO Forum  
to support the technical and scientific capability for  
regulatory functions

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# Content

- Follow-up of recommendations of the 2014 TSO conference
- Development of a TSO TECDOC
- R&D to support TSO expertise
- Support of the TSOF for embarking countries
- Communication and Promotion

# Recommendations from TSO Conference

## RECOMMENDATION 1:

- **The IAEA should consider initiating plans for a 4<sup>th</sup> TSO Conference**
- **The conference welcomed the proposal of Belgium to host the next TSO Conference.**

## IMPLEMENTATION



- Proposed TSO Conference:**
- **in Brussels, Belgium (to be hosted and co-organized with Bel V)**
  - **in October 2018**

Preparation is underway

# Recommendations

## **RECOMMENDATION 2:**

**The IAEA should produce a Safety Guide on the performance of TSO functions as part of the IAEA Safety Standards Series.**

## **IMPLEMENTATION**

- A Safety Guide is not possible at this stage  
→ Decision to write a TECDOC
- DPP approved on 1 October 2015
- Several CS to prepare a draft

# Recommendations

## **RECOMMENDATION 4:**

**The IAEA should consider fully integrating the work of the TSO Forum to better support newcomer countries, as a valuable means of contributing to building their capabilities.**

## **IMPLEMENTATION**

Clarification of TSO functions and activities in the future TECDOC on TSO should provide a solid ground for this other recommendation to be further implemented.

Based on this document workshops with embarking countries wishing to develop a TSO could be implemented (depending on available resources).

# Recommendations

## **RECOMMENDATION 9:**

The IAEA should expand the TSO Forum, to develop it into a science and expertise forum providing comprehensive coverage of issues concerning TSO functions. It should also consider establishing new means of improving international networking to share knowledge and experience on technical and scientific practices.

## **IMPLEMENTATION**

- Very challenging recommendation
- Recurrent topic on the TSOF SC meeting agenda
- All TSOF actions are aiming at this goal

## TSO TECDOC

- Title: “TSOs and their Services provided in Support to Regulatory Functions”
- Content:
  - TSOs in the regulatory framework and their relationship with the regulatory body
  - Characteristics and management of technical and scientific support
  - Nature and scope of technical and scientific support activities
  - R&D

## TSO TECDOC

- Major progress in the definition of what are TSOs
- Describes the various organizational models for providing technical and scientific support to the regulatory body
- The document will include practical examples from the Member States' TSOs
- Will serve as a reference to further activities of the TSOF (e.g. R&D)



## R&D to support TSO expertise

- February 2015: IEM 8 “Strengthening R&D Effectiveness in the Light of the Accident at the Fukushima Daiichi Nuclear Power Plant”
- 12-13 October 2015: 8th TSOF SC => Survey on TSOs activities in R&D to support a science based expertise

## R&D to support TSO expertise

- Precise the description of research activities of TSOs on website or short outreach (basic survey within TSO forum in synergy what is already existing)
- Scope should cover nuclear safety, radiation safety, waste safety
- In // evaluate the need among embarking countries through regional network
- Prepare a workshop on R&D
- TSO Forum platform of information exchange on Research

## Support of the TSOF for embarking countries

- Establish a list of TSO experts
- Develop TSO experts missions to help develop TSO capabilities
- Develop TSO specific modules to be added in IRRS and INIR
- Develop a workshop addressing TSO issues
- Invite embarking countries to participate in TSOF discussions

## Communication and Promotion

- Publication of Brochure and Fact Sheet
- Website:
  - Public: <https://gnssn.iaea.org/TSOF>
  - Private: TSO Forum Collaboration Space
- TSO Conference
- Collaborate with other Global and Regional Networks