



IAEA

International Atomic Energy Agency
Atoms for Peace and Development

17th GNSSN Steering Committee Meeting, Dec 2021

Regional and Thematic networks achievements in 2021 and planned activities for 2022

TSO Forum TSOF

6th December 2021

Michel Van haesendonck (Bel V), TSOF chair

EIBL-SCHWAEGER Carla (GRS), TSOF Vice-chair

Answer to the following questions



- 1 Has your network conducted/hosted/planned any technical activities or events in 2020-2021 that would be of interest to other networks? Were these events able to be conducted in person, or virtual?
- 2 Has your network completed any documents or other publications that focus on technical topics? In what language are these documents/publications written?
- 3 Has your network identified any documents published by another network or organization for which your members would appreciate translation services into a native language?
- 4 Is your network able to provide free translation services for documents/publications written in another language, into a language of your choice?
- 5 Please provide your network's top three prioritized technical needs for which you believe the IAEA, or another associated network could provide support.

Conducted/hosted/planned technical activities or events in 2020-2021

- TSO Forum Steering Committee Meetings (Virtually)
 - Feb (Vienna) and Nov 2020
 - March 2021
- TSOF Programme Committee Meetings for the IAEA TSO Conference in St. Petersburg in 2022 (Virtually)
- EUCAS SC meeting (Virtually)
 - TSOF presentation, decision on participation in a TSO WS in 2022
- Consultancy Meetings for the development of the TSO Self Assessment Tool (TOSCA) (Virtually)
 - Several in 2020 and 2021 to finalize the TOSCA handbook, work on the Guidance and the technical pillars (#5 radiation protection) and the database

Conducted/hosted/planned technical activities or events in 2020-2021

- TSO Forum Side Event at the GC Sept 2021
 - 10 years of TSOF, TOSCA Tool, National Workshops, TSO Conference



Conducted/hosted/planned technical activities or events in 2020-2021

- GNSSN Steering Committee Meetings (Virtually)
- GNSSN Plenary Session during the GC Sept 2021 (Hybrid)
 - TSOF networking during pandemic



• IAEA / ETSON Practical Arrangements

Signing Ceremony during
the IAEA GC, Sept. 2021

- Forster cooperation especially for the
TSO Forum



- **EUROSAFE Conference in Paris, Nov 2021**
 - IAEA stand @ TSO Café
 - > 200 participants
 - GNSSN networking
 - TSOF initiatives
 - TOSCA Presentation
 - SarCon



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TSOF Documentation

- TECDOC-1835
 - decision to be revised, complemented or completed
- Guidance for the TSO Self-Assessment – draft version
- Case studies – draft version
- TOSCA handbook – draft version

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TSOF - top three prioritized technical needs

Active support from IAEA and the GNSSN networks to encourage exchange and collaboration between TSOs and the Regulatory Bodies worldwide to

1. Strengthen the role of technical and scientific capabilities in MS
2. Support technical and scientific capabilities in countries expanding or embarking on nuclear programme
3. Promote coordination and collaboration among the GNSSN members to foster scientific and technical capacity building

In addition:

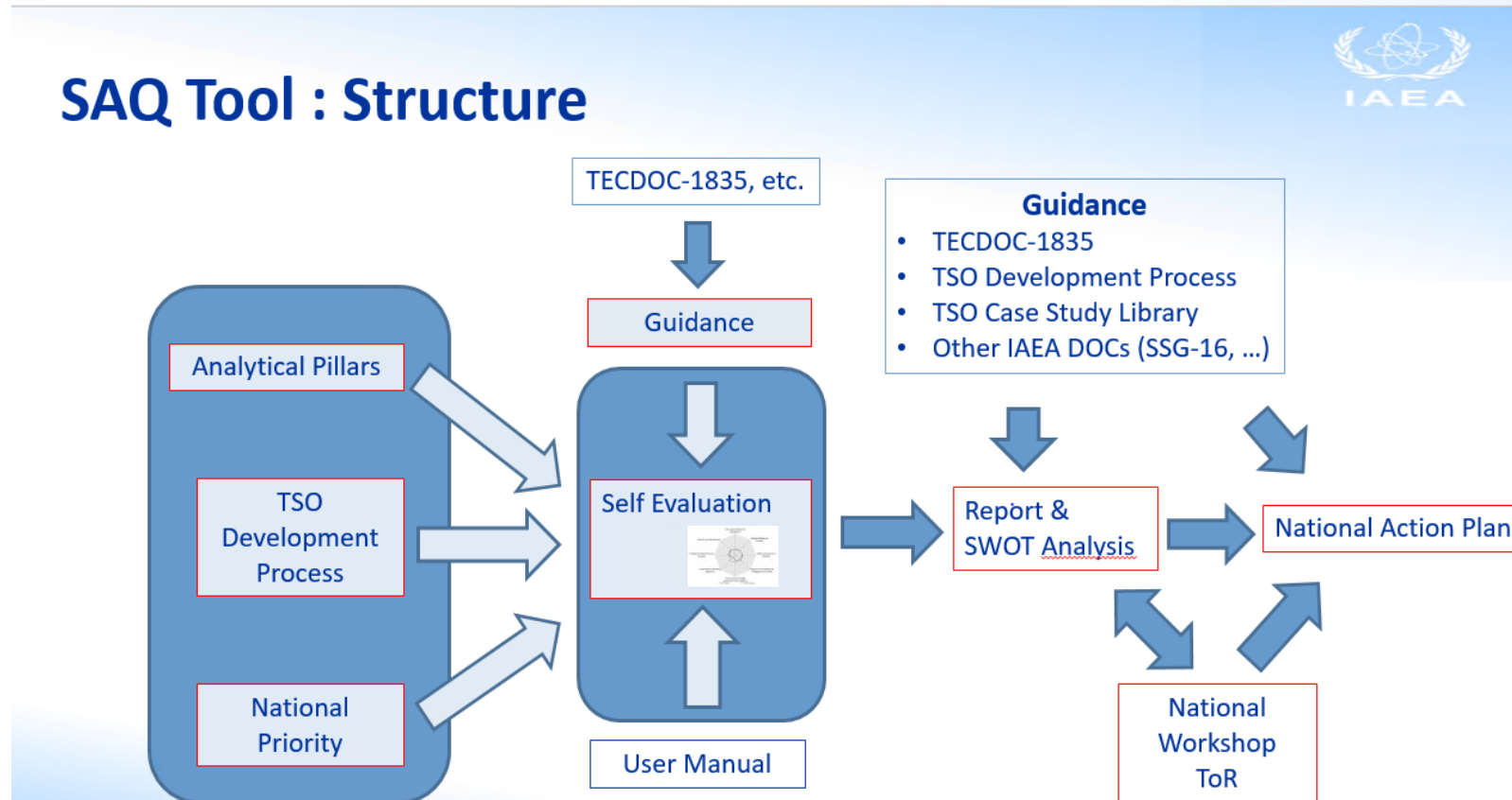
4. Share safety and security research, development and experiences including lessons learned
5. Share feedback on the use of the IAEA safety standards and other publications

HOW?

TSOF Initiatives - top three prioritized technical needs

1. Technical Support in development of TOSCA

SAQ Tool : Structure



TSOF Initiatives - top three prioritized technical needs



2. Active Participation at the

5th international TSO Conference in St-Petersburg, Russia – 10th to 13th October 2022

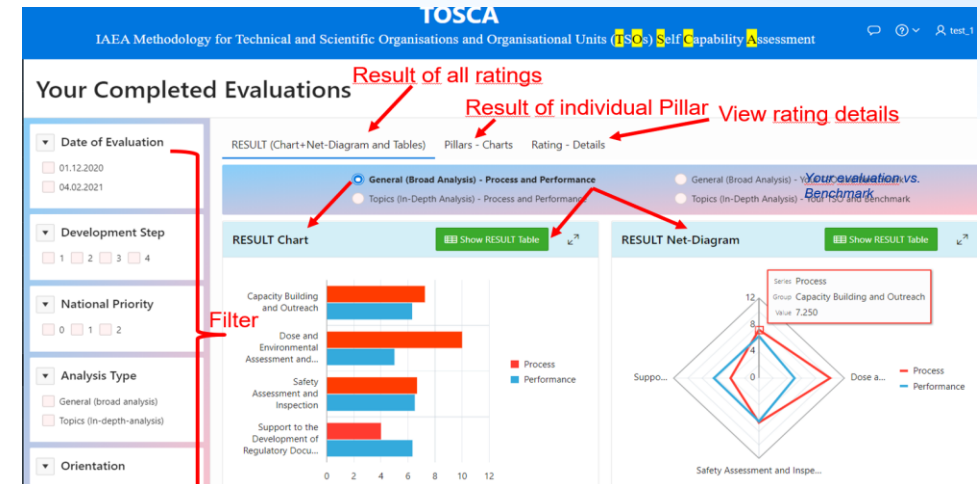
- **Title: IAEA International Conference on Challenges Faced by Technical and Scientific Support Organizations (TSO) in Enhancing Nuclear Safety and Security:** Strengthening scientific basis, ensuring flexibility and stability in a fast-changing world as well as providing opportunities for the young generation.
- **Purpose:** The objective of the Conference is to consider how to develop and strengthen technical and scientific capabilities to achieve enhanced nuclear and radiation safety and security of facilities and activities, including legacy and emerging challenges as well as the exchange and transfer of best practices with embarking countries.

TSOF Initiatives - top three prioritized technical needs

3. Promotion of TOSCA (workshops, webinars etc.)

- Further Development of the Self-Assessment-Tool for the technical and scientific capabilities supporting Regulatory Functions

- Further developed pillars
- Case Studies (experience exchange)



- Revision of the IAEA TECDOC-1835 with a specific focus on radiation protection and safety activities
- Application for National Workshops on developing and strengthening technical and scientific capacity, e.g. in Belarus, Bangladesh
- Development of R&D and other Topical Priorities for embarking countries



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Thank you!