



world nuclear  
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# WORLD NUCLEAR TRANSPORT INSTITUTE

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## SAMM

Front End Committee

CHAIR: JOEL KRUEHLER, URENCO

CO-CHAIR: MARC-ANDRE CHARETTE, CAMECO

SECRETARIAT: Elisa PENDA

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Date: 28th November 2025

Location: London

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## SUMMARY MEETING REPORT

**MEETING TITLE:** Front End Committee  
**LOCATION:** London  
**DATE:** 28th November 2025  
**REPORT BY:** Elisa PENDA

### Participants / Attendees:

- See the appendix attached

### Purpose / Objectives of Meeting

The meeting reviewed ongoing work, following the merging of the HEXT and UOC WG with the Front-End committee.

The following were presented for information and discussion:

- The Committee Terms of Reference (ToR) were provided to the Committee members to review (one week before the meeting).
- Adoption of the agenda
- Confirmation of previous meeting minutes
- Review of Previous Actions – see follow action items below
- New committee development of task topics (Chair and Secretariat)
- Review priority topics from 2024 for Front End group.
- Emerging topics of 2025/26 for Front End group
- Rank and rate tasks for assigning to the New Committee
- Appoint task leads (if time discuss the deliverable)
- Regulatory Update (Chair and all)
- Communication and Information Sharing (Chair and all)

### Key Takeaways / Points

- Committee members to review the Draft Terms of Reference.
- Feedback on 30B-10 operational testing
- Update on 48Y BTP/CTP/bare license renewal
- Regulatory Update on the following areas:
  - ANSI N14.1 Revision
  - ISO 7195 Amendment and Revision

### Summary of Meeting

Information Sharing of Packages and Licensing

- DN30 package
  - Transport of empty DN30 as non-hazardous material  
Orano presented options for classifications of empty DN30s as Empty Packages (UN2908) or exempted material (non-hazardous). It is important that the sending and receiving facility agree on the classification upfront.
  - Water in DN30s  
Water was discovered in some DN30's. This seems to be a result of heavy rain. Guidance was presented on how to deal with such scenario.
  - Load securing of DN30s – ISO standards for bolts, nuts etc.  
The Chair emphasized that DN30 users should apply standardised securing equipment as recommended by Orano NCS.

- LEU+ in the US
  - 30B-X Update – Licensing and Manufacturing  
The NRC license was renewed, and the French Package Approval will be applied for in Dec 2025.
  - Exemption request filed by Urenco USA for LEU+ in DN30/30B
  - Water Intrusion into 30B cylinders - Study on criticality safety (ORNL/TM-2024/3612)  
The results support the conclusion that the 30B system behaviour during normal and hypothetical water intrusion scenarios are consistent across increasing enrichments up to LEU+ (up to 10 wt% 235U).
- 48Y package approval process 2024 for Manufacturing Thermal Protection - Industry Consortium will discuss this and inform interested parties about the way forward. Areas of discussion include:
  - Manufacturing of new BTPs
  - Manufacturing of new CTPs
  - Load Securing 48Y Cylinders (See slides of the presentation)  
It is proposed a task group is set up to prepare guidance material on load securing of 48Y cylinders
- Revision of the UF6 Cylinder Identification ongoing (WNTI Standard)
- Urenco shared its experience in the application of the WNTI Good Practice Guide for valve and plug installation.

#### Regulatory Update – UF6 Standards

- ANSI N14.1 Revision
  - During the US shutdown the meetings on the revision were put on hold – it is estimated that this will proceed now the shutdown has ended
  - Current estimate for new ANSI N14.1 including 30B-X cylinder designs is 2nd half of 2026
- ISO 7195 Amendment and Revision
  - See slides of the presentation

#### Identification of key focus areas and deliverables for future Task Groups:

- Load securing guide
- Implementation of GPG for valve and plug installation
- Good Practice Guide Transport of UN3507 include P10 tubes

<b>Follow Up Action Items</b>	<b>Owner</b>
[1] The Chair will inform continuously about the status and possibility to manufacture BTP/CTP for 48 inch cylinders (previously Action 62-2 HEXT WG)	Committee Chair
[2] The tracking of samples was brought up due to a member’s experience of losing a package (previously Action 62-5 HEXT WG) – will be handled in the Regulation, Safety and Security Committee	Closed
[3] Send draft ToR to all WNTI members - by 20.11.2025	closed
[4] Review draft ToR - by 01.01.2026	Members
[5] Send draft Committee members list to members - by 01.01.2026	WNTI Secretariat
[6] Review and comment on Committee members list - by 01.02.2026	Members
[7] Define a Collaborative Platform by 01.02.2026	WNTI Secretariat
[8] Transport of NORM shared the information (follow-up discussion in the new year, no specific task to be performed)	WNTI Secretariat
[9] To share the draft UF6 emergency response factsheet with front end committee members for comments – collate comments and agree with WNTI document control how to publish	WNTI Secretariat / Administrative / Committee Chair
[10] Publish the revision of the UF6 Cylinder Identification Standard by 28.02.26	WNTI Secretariat
[11] Form a task force to draft a good practice guide for cylinder securement led by Florian Darras	WNTI Secretariat

#### **Next Meeting Details (If Applicable)**

- WNTI Members SAMM, July 2026, **Liverpool, UK**
- World Nuclear Transport Conference 2026, October 2026, Proposed Location: Singapore
- WNTI Members SAMM, October 2026, Proposed **Location: Singapore**

## Appendix: Front End committee attendees List (as of November 28, 2025)

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