TRANSSC 33 MEETING REPORT

OPENING 15 NOVEMBER 2016 10:00
CLOSE 18 NOVEMBER 2016 12:00

IAEA, Board room A
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All presentations and documents can be found on the TRANSSC members’ website

http://www-ns.iaea.org-committees/transsc/default.asp?fd=1690&dt=0
OPENING SESSION

Opening 15 NOVEMBER 2016 10:00 / Close 15 NOVEMBER 2016 16:00

1.0 OPENING SESSION

1.1 Opening Remarks

1.1.1 Opening Remarks were given by the Director NSRW, Mr Hilaire Mansoux.

1.1.2 Opening Remarks By Chair Mr Paul Hinrichsen

Mr Hinrichsen welcomed the delegates to the Meeting and outlined the process which had brought TRANSSC to the Agenda proposed for the current Meeting.

Mr Hinrichsen noted that the TRANSSC 32 Meeting in June had been a very short meeting and this had meant that for some coming from afar it was not economical to attend the Meeting. We understand and accept this.

Mr Hinrichsen congratulated our Japanese colleagues on the hosting of a very successful PATRAM 2016 Conference held 18th – 23rd September in Kobe Japan. Agenda Item 5.2 will be for Mr Hirose to give us some feedback on PATRAM 2016.

As was indicated in TRANSSC 32, now that TRANSSC has taken both SSR-6 and SSG-26 to 120-Day Member State Review so we now turn our attention to the remaining safety standards in the Transport Portfolio and these documents will be the focus of deliberations during TRANSSC 33.

2.0 ADMINISTRATION ITEMS

2.1 Conduct of the Meeting

2.1.1 Conduct of the Meeting and Agenda

Mr Hinrichsen briefly reviewed the main elements of the Agenda and the plans for the meeting during the next few days. The Agenda had been proposed to commence with the Working Groups and for the Meeting proper to commence on the Thursday. The purpose of this format was to afford those who could not participate in the Working Groups to skip these and join the discussions as from Thursday.

The Proposed Meeting Agenda was adopted with one change, in that the proposed report back on the A1, A2 Working Group, by Mr Cabianca (UK) was moved to Thursday morning.

2.2 TRANSSC WORKING GROUPS

2.2.1 Opening Remarks by the Secretariat

2.2.2 Review Terms of Reference for WG1 – WG3

The Terms of reference for WG1 – WG3 were discussed in plenary.

2.2.2 Working Groups 1 – 3 open for enrolment

Working Group 1 – TS-G-1.3
Working Group 2 – TS-G-1.4
2.2.3 **Allocate Meeting Rooms**
Meeting rooms were allocated following a coffee break.

2.2.4 **Working Groups 1, 2 and 3**
Working Groups were required to;
- Nominate a Chair and Secretary
- To agree ToR for Working Group
- Prepare summary statement and short presentation for TRANSSC 33 Plenary

**WEDNESDAY SESSION**
**Working Groups 4, 5, 6 and 7 Deliberations:**
Opening 16 NOVEMBER 2016 09:00/Close 16 NOVEMBER 2016 15:00

2.3 **TRANSSC WORKING GROUPS 4, 5, 6 and 7**
2.3.1 **Opening Remarks: Secretariat**
2.3.2 **Working groups 4 – 7 open for enrolment**
2.3.3 **Allocate Meeting Rooms**
2.3.4 **Working Groups 4, 5, 6 and 7**
Working Groups were required to;
- Nominate a Chair and Secretary
- To agree ToR for Working Group
- Prepare summary statement and short presentation for TRANSSC 33 Plenary

Opening 16 NOVEMBER 2016 16:00/Close 16 NOVEMBER 2016 17:00
**ADMINISTRATION ITEMS – Plenary continued Board Room A**

2.4 **Plenary Review of Previous Meetings.**
2.4.1 **TRANSSC 32 Report**
The Report for TRANSSC 32 was approved.

2.4.2 **Action Record Sheet**
The TRANSSC Action Record Sheet was approved.

2.4.3 **Chairs Meeting**
Mr Hinrichsen gave a brief Power Point presentation highlighting aspects of the Chairs Meeting which was held on 7th November 2016. A copy of the presentation is included in the TRANSSC 33 Website.
2.5 Topical briefing and discussion on Member States presentations, sharing of operational experience and use of IAEA Safety Standards

2.5.1 Germany
Dr. Anne Endres (Germany), gave a presentation on the transport of radioactive material in Germany. A copy of the presentation has been posted to the TRANSSC 33 website as INF-05.

2.5.2 France
Mr Ghislain (France), gave a presentation on the transport of radioactive material in France. A copy of the presentation has been posted to the TRANSSC 33 website as INF-06.

2.5.3 Volunteers for TRANSSC 34
The representatives from Sweden and the Netherlands volunteered to present at TRANSSC 34.

2.6 Plenary questions/clarification on posted information papers
No discussion took place.

THURSDAY SESSION
Plenary Session:
Opening 17 NOVEMBER 2016 09:00/Close 17 NOVEMBER 2016 17:00

3.0 DEVELOPMENT OF DOCUMENTS / PRODUCTS
3.1 DPP: SPESS B – STEP 4 Approval for submission to the Commission on Safety Standards (CSS)

3.2 DPP Clearance
3.2.1 DPP DS 499 Specific Safety Guide: Application of the Concept of Exemption Including Criteria for Trade in Contaminated Commodities:
This DPP was presented to TRANSSC by Mr Igor Gusev.

Comment from TRANSSC;
Mr Singh (India) explained that contaminated scrap metal was an ongoing problem for India. Brazil also had a similar problem and wished to review this document.

Mr Cabianca (UK) also commented asking if the document would look at the relationship between goods and foods as there was a discrepancy between the two commodities for dose allowed, and it was not clear which values should be used. In this regard the UK asked for clarification from the IAEA on this point.

Mr Sakar (Australia) mentioned the there already existed the new publication of GS-R-Part 3 and some ICRP guidance related to the subject matter of DS 499 and enquired if the publication of DS 499 would necessitate a change in GS-R-Part 3 and in the ICRP guidance. The secretariat clarified that there will be no changes.
The Netherlands noted that there was always an issue with public acceptance of these potentially contaminated goods.

**DS 499 was cleared by TRANSSC for submittal to the CSS.**

### 3.2.2 DPP DS 500 Application of the Clearance Concept:

This DPP was discussed first as it was considered similar to both DS 499 and DS 502,

DPP DS 500 was presented to TRANSS by Mr Vladan Ljubenov. This Safety Guide will have the application of Transport Safety Requirements within its scope and is scheduled for publication in August 2022.

**Comments from TRANSSC:**

Mr Cabianca (UK) commented that TRANSSC should be involved in the drafting of this document. In response Mr Whittingham suggested that the Secretariat would track the any meetings which were being held for the various documents and would obtain the participant lists in order to be sure that there was a representative of TRANSSC at the meetings or that at least the TRANSSC view was considered as these documents are drafted.

**DS 500 was cleared by TRANSSC for submittal to the CSS.**

### 3.2.3 DS 502 Continuous Improvement of Operational Safety Performance in Nuclear Power Plants

**DS 502 was cleared by TRANSSC for submittal to the CSS.**

### 3.3 Draft safety Standards Approval

#### 3.3.1 Submission to the CSS

**DS-478: Safety of Nuclear Fuel Cycle Facilities**

**DS 478 was cleared by TRANSSC for submittal to the CSS.**

#### 3.3.2 Submission to Member States

No documents received

### 3.4 Draft Security Recommendations Clearance

#### 3.4.1 NST044

NST044 was presented, by Mr Michael Shannon from the Nuclear Security Division, for clearance to be submitted to the DDG, Nuclear Security.

**Comments from TRANSSC:**

Sweden was asked if they were satisfied with the resolution of their comments, as posted. Sweden responded positively.

It was noted that comments posted from France had not been adequately addressed and the French delegation said that the issue would need to be resolved before they could agree.

Switzerland indicated that their comment had not been accepted by the drafting team.

Mr Zamora (Spain) commented that the proposed basic security level requirements could negatively impact air transport of radiopharmaceuticals
and had recommended that alternate guidance on threshold values be adopted.

On a question raised by the representative of Switzerland regarding the procedures for submitting proposals to the UN Sub-Committee, e.g. in relation to the security provisions contained in the Orange Book, Mr. Kervella clarified that any member State of the United Nations, any intergovernmental organization authorized to participate including United Nations Specialized Agencies and IAEA, and any NGO in consultative status with the United Nations Economic and Social Council is entitled to submit proposals related to the items of the agenda corresponding to the programme of work for the biennium- which is rather open-ended. However the decisions are taken by consensus or, if no consensus, by majority votes, and only full members of the Sub-Committee are entitled to vote. Of course, proposals submitted are expected to represent the coordinated position of the submitting entity.

After some lengthy debate there was no acceptable resolution of the comments from the member states listed above. The Chair then asked these member states to meet with Mr Shannon outside of plenary to make a second effort to reach an acceptable resolution of comments from member states. All parties involved agreed to this proposal and reported back to plenary later in the day that an acceptable resolution had been reached. Agreements may be found in Appendix 1.

NST044 was cleared by TRANSSC for submittal to the CSS.

3.4.2 NST045 was cleared by TRANSSC for submittal to the CSS.

3.4.3 NST051 was cleared by TRANSSC for submittal to the CSS.

3.5 Work with Other Committees

3.5.1 40th CSS Meeting

Ms Katherine Asfaw provided a presentation on the 40th CSS meeting on behalf of Mr Dominique Delattre, who was not able to provide the presentation. Her presentation focused on the main results of the CSS meeting held 7-11 November, 2016.

The presentation has been posted to the TRANSSC 33 website as INF-015.

3.6 Information from other UN/International Bodies on their documents

3.6.1 UNECE (Contribution from Mr Kervella)

Referring to the TRANSSC 32 report, section 3.6.1, Mr. Kervella (UNECE) confirmed that the draft amendments to RID, ADR and ADN had now been accepted by Contracting Parties and that they would enter into force on 1 January 2017. ADR 2017 had now been published in English and French and would soon be available in Russian, while ADN 2017 was with the printers and should be available in December 2016. He also mentioned that Georgia had acceded to ADR, which brought the total number of Contracting Parties to this international treaty to 49. The RID/ADR/ADN Joint Meeting and the
UNECE Working Party on the Transport of Dangerous Goods (WP.15) had met in September and November respectively and had discussed proposals of amendments to RID, ADR and ADN that would become applicable on 1 January 2019 if later accepted by Contracting Parties. The reports on these sessions were available on the UNECE website at http://www.unece.org/trans/main/dgdb/ac1/ac1rep.html and http://www.unece.org/trans/main/dgdb/wp15/wp15rep.html respectively.


The 20th revised edition of the United Nations Recommendations, incorporating these amendments, should be published in English and French by June 2017, and in the other UN languages by end 2017. At its forthcoming session, the Sub-Committee should discuss its work programme for 2017-2018, and this should include consideration, probably in 2018, of amendments to the Orange Book that will be necessary to reflect the amendments to SSR-6 that are likely to be adopted by IAEA in 2017. These amendments would be reflected in the 21st revised version of the Orange Book to be published in 2019, and later in modal regulations such as ICAO TI, IMDG Code, ADR, RID and ADN for effective application as from 1 January 2021.

3.6.2 ICAO

No representative from ICAO was present at the Meeting.

3.6.3 IMO (Contribution from Mr Bingbing Song)

The International Maritime Organisation (IMO) would like to inform the committee [TRANSSC] that, IMO’s ninety-sixth session of the Maritime Safety Committee met from 11 to 20 May this year at IMO Headquarters in London. The Committee adopted the amendments to the IMDG Code by resolution MSC. 406(96), as set out in annex 5 to document MSC 96/25/Add.2.

In this context, it should be noted that the full text of amendment 38-16 of the IMDG Code (resolution MSC. 406(96)) was issued as a single annex to the report of the Committee after the session. We believe it will be easier for Administrations to use the text of the Code when preparing national legislation.

The amendments are expected to enter into force on 1 January 2018. It should also be noted that the Contracting Governments to the SOLAS Convention may apply the aforementioned amendments in whole or in part on a voluntary basis as from 1 January 2017.

Currently IMO is working on the new set of amendments to the IMDG Code (39-18), the related proposals are expected to be discussed during E&T 27, possibly in May 2017. As indicated in provision 1.5.1.1 of the IMDG Code, the radioactive materials related provisions are based on the IAEA’s SSR-6 (2012
IMO will continually working towards to align the related provisions in the IMDG Code with the requirements of SSR-6, as appropriate.

3.7 **Feedback on CSM Transport Safety and Security Interface 17-21 October 2016.**

A brief update on the CSM was provided by IAEA. The CSM featured experts in transport safety and security, was chaired by Mr Ron Pope (USA) and produced a draft guidance document (TECDOC) on the safety/security interface and drafted a working agenda for a workshop to aid Member States with the safety/security interface for transport. A follow-up consultancy was planned to continue the work that was begun. A report on the CSM is available.

4.6.1 **Feedback from the A1, A2 Working Group.**

Mr Cabianca (UK) provided a presentation on the progress with the A1, A2 Working Group looking at the calculation methodologies for these important parameters. Mr Cabianca’s presentation has been posted to the TRANSSC 33 Website as INF-29.

3.8 **Regional Network (Updates?)**

3.8.1 **Africa**

Ms Capadona (IAEA) provided an update on the status of the regional project RAF-9060. There will be a training course in Ethiopia (28 Nov-2 Dec) on inspections to transport activities. Ms Capadona also presented a plan to evaluate the status of transport in African countries involved in Uranium mining.

3.8.2 **Asia and Pacific Islands**

Mr Bajwa (IAEA) provided an update on the development of transport safety Networks in the Asia Pacific region, including an overview of the outputs of the TC Project RAS 9/0/67, which will end this year. The project has resulted in the development of transport safety networks for Asia and for the Pacific Islands.

3.8.3 **Latin America**

Ms Capadona (IAEA) provided an update on the tasks developed under the regional project RLA/9079. The last meeting was held in Bolivia, in June. The discussions focused on the next steps based on weak areas identified in the region, e.g. updating of national regulations, national trainings and formation of a team of Spanish speaker experts to assist national needs in the region.

3.8.4 **Mediterranean**

An update was provided by Ms Soumia Zeroual (Morocco) on the final meeting under Project C.3 “Strengthening of an effective compliance assurance regime in transport of radioactive material in the European Southern neighbourhood region (Mediterranean Sea) and associated shipping states”, under EC-IAEA Cooperation in the Field of Nuclear Safety Contribution Agreement 2013/313-757. One of the major results of the project was the formation of the Mediterranean Network for the safe transport of radioactive material (MedNet).
3.9 Update on Revision of Training Course Ser. 1

Mr Bajwa (IAEA) provided a brief description of the work currently ongoing on the revision of the 2006 version of the Radioactive Material Transport Safety training course manual. He also mentioned that this work was being in conjunction with the development of an eLearning course for transport safety.

3.10 Feedback from General Conference

To illustrate where transport appears in the General Conference proceedings a list of the resolutions that involve transport was presented to plenary (INF-022). This provided an opportunity to provide an explanation of the work of the Secretariat in the regional programmes and the need for the eLearning platform currently under development.

3.11 Technical Basis document

Mr Bajwa (IAEA) provided a brief update on the status of Technical Basis Document. Work on the TBD is ongoing, and the document will need additional work to be completed. Mr Ron Pope, a former Unit Head of the TSU, is the expert currently working on the document. Plans to make the document available to the wider transport community will be implemented in 2017.

3.12 Update on 120-Day MS revision of SSR-6.

Ms Capadona (IAEA) provided an update on the status of the revision of Transport Regulations. The period of 120 days for MS comments on the first draft of SSR-6 20xx Edition will end on November 21st. The Secretariat will consolidate the comments received and host a technical meeting to discuss such comments and prepare the final draft of the document in order to initiate the final round of approvals. The provisions are for the final draft to be approved by TRANSSC, other SSCs and NSGC during the meetings to be held in June-July 2017.

**TRANSSC ACTION 33-1:** The Secretariat to consolidate comments received during the 120 days MS Comment Period.

**TRANSSC ACTION 33-2:** The Secretariat to host a technical meeting to discuss comments from the 120 days member state Comment Period.

3.13 Update on Revision of ISO7195 (P Malesys)

4.2 Review of Status of Transport Safety Standards

4.2.1 Feed Back from WG 1 (TS-G-1.3)

4.2.2 Feed Back from WG 2 (TS-G-1.4)
4.2.3 Feed Back from WG 3 (TS-G-1.5)

4.2.4 TRANSSC Decision on Safety Guides and Priorities

TRANSSC concluded that there was a need for a fuller review/revision of the following Safety Guides:

1. **TS-G-1.3** Radiation Protection Programmes for Transport of Radioactive Material.
3. **TS-G-1.5** Compliance Assurance for the Safe Transport of Radioactive Material.

**FRIDAY SESSION**

**Plenary Session**

Opening 18 NOVEMBER 2016 09:00/Close 18 NOVEMBER 2016 12:00

4.3.1 Feed Back from WG 4 (SSG 33A)

The Working Group 4 Report has been posted to the TRANSSC 33 Website.

4.3.2 Feed Back from WG 5 (SSG 33A)

The Working Group 5 Report has been posted to the TRANSSC 33 Website.

4.3.3 Feed Back from WG 6 (SSG 33A)

The Working Group 6 Report has been posted to the TRANSSC 33 Website.

4.3.4 Feed Back from WG 7 (SSG 33A)

The Working Group 7 Report has been posted to the TRANSSC 33 Website.

Following feedback to plenary by the working groups there was a consensus opinion of plenary that the proposed document, identified as SSG33A, was too large, would take too much resources to complete and the benefits were not clearly apparent. The Secretariat took note of this opinion and decided the document would not proceed on the basis of a safety guidance document; however its development in an electronic form for training purposes to be used as reference material for the eLearning transport safety platform under development would be reviewed.

4.4 Next Steps

The Secretariat took note of the comments raised by the working groups and thanked those involved for their work.

The conclusions reached by the working groups was that all three guidance documents (TS-G-1.3, -1.4, -1.5) require updating and the Secretariat will assess the workload likely to be needed, prepare a schedule for the revision processes and report at the next TRANSSC meeting.

**TRANSSC ACTION 33-3**: The Secretariat to prepare a Schedule for the Revision Process on TS-G-1.3, TS-G-1.4 and TS-G-1.5.

4.5 Deliverables for TRANSSC 34
Proposed programme for the revision of TS-G-1.3, -1.4 and -1.5.

5.0 INTERACTIONS WITH IAG, IAEA Safety Committees and Secretariat.

5.1 IAG Meeting (14 November 2016)
Mr Hinrichsen provided a brief update on the discussions that occurred at the IAG meeting that was held 14 Nov 2016.

5.2 PATRAM – Overview of Symposium
Mr Hirose gave an overview of the PATRAM 2016 Conference which was held in Kobe in Japan in September. The Conference was very well attended with one member states sending as many as 100 delegates.

Mr Boyle (USA) informed TRANSSC that the next PATRAM Conference would be held in New Orleans in the USA from August 4th - 9th 2019.

It was also announced that the RAMTRANS Conference would take place in London from 15th – 17th May 2018.

Mr Hirose’s presentation has been posted to the TRANSSC 33 Website as INF-26.

6.1 Review of TRANSSC33 Draft Meeting Report
The draft Meeting Report was accepted by TRANSSC with some minor clarifications.

7.0 AGENDA FOR TRANSSC 34

7.1 Items of Interest to TRANSSC 34
Mr Hinrichsen brought to the attention of TRANSSC a proposal by Mr Sarkar (Australia) that a Correspondence Working group be formed with the task of drafting a guide/TECDOC on the use of SS-R-6 for the transport of NORM (Naturally Occurring radioactive Material).

The following Member States expressed an interest in being a member of such a correspondence working group;

- USA
- UK
- Canada
- Australia
- South Africa
- France
- Brazil
- Finland

**TRANSSC ACTION 33-4:** The Secretariat to initiate the setting-up of a Correspondence Working Group on NORM Transport.
8.0 CLOSE OF MEETING

8.0.1 Closing remarks by Mr Steve Whittingham Head Transport Safety Unit

DATE FOR TRANSSC 34: Week Beginning 10 July 2017

Appendix 1

TRANSSC side-meeting agreements

Page 17 Lines 17-25

Consideration should also be taken where there is a possible conflict of safety and security measures during transport, such as placarding and labelling, route and mode selection; and information management. For example, if a State were to determine, based on an analysis of the threat and on an exceptional basis, to remove external hazard communication, compensatory measures should be applied such as escorting personnel who can provide information on the nature and hazards of the material to emergency response. Solutions to potential conflicts such as these should be assessed and approved by the regulatory bodies responsible for transport safety and security.

Page 25 Lines 6-12

The State may consider identifying materials and objects that it deems to be sufficiently unsuitable for use in a malicious act that they can be assigned to the basic transport security level when transported within the State. Further, understanding the wide range of radioactive materials which may be included in the basic security level, the State may wish to consider, for domestic transport, defining subcategories within the basic security level with regard to material activity and attractiveness to potential adversaries (discussed in Section 3.X) and assigning appropriate security measures to these subcategories based on a graded approach.

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1 It is important for safety that the packaging and transport be clearly labelled as hazardous, so as to reduce the likelihood of an error due to a lack of information about the contents. However, this labelling would also provide a potential adversary with information that could assist the adversary in performing a malicious act.