TRANSSC 38 MEETING REPORT

TTEG Radiation Protection
A1/A2 Working Group – Chaired by Mr Tiberio Cabianca (UK)

TTEG Criticality
Criticality Working Group – Chaired by Mathieu Milin (France)

TTEG Operational Matters
Meeting Chaired by Mr Ter Morshuizen (Netherlands)

TTEG Package Performance and Assessment
Meeting Chaired by Mr Koch (Switzerland)

ESTABLISHED WORKING GROUPS – 24 TO 25 JUNE 2019
OPENING OF TRANSSC 38 PLENARY - 26 JUNE 2019 10:00
CLOSE 28 JUNE 2019 12:00

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

1.0 OPENING SESSION

1.1 Opening Remarks

The Chair (Hinrichsen) welcomed all to the Meeting and noted that since TRANSSC would not be required to review or approve SSG-26 (DS-496) nor SSG-33 (DS-506) in this Meeting, in planning the Meeting Agenda it was felt that TRANSSC could try to address many of the issues which had been brought before TRANSSC but never resolved.

2.0 ADMINISTRATIVE ITEMS

2.1 Conduct of the Meeting and Agenda:

The Chair took TRANSSC through the Agenda for the Meeting (Draft 10) as proposed.

The proposed Agenda was approved, with a correction related to the proposed presentation by UK (Cabianca), which had been incorrectly referenced.

TRANSSC was informed, by the Secretariat (Whittingham) that the Meeting was being Live Streamed to enable those who could not attend the Meeting, to at least listen to the Meeting live.

France (Feron) enquired as to whether only TRANSSC members could access the Live Stream. The Secretariat responded that anyone having access to the web link could access the feed.

2.2 REVIEW OF PREVIOUS MEETINGS

2.2.1 Previous Meeting Report (TRANSSC 37)

The TRANSSC 37 Meeting Report was Approved by TRANSSC.

2.2.2 Action Record Sheet (INF-02)

Secretariat (Whittingham) took TRANSSC through the Actions as listed in the draft TRANSSC 37 Action Record Sheet.
On the issue of the CRP on Air Accidents, the Secretariat informed TRANSSC that the IAEA Publications Division was concerned with the fact that the data supporting the document was outdated. In this regard, the Secretariat (Reber), informed TRANSSC of a meeting with ICAO (Rooney) to discuss the issue at which she offered to approach ICAO to see if more recent data could be found and to report back on the matter.

**TRANSSC Action 38.01:**
Ms Rooney (ICAO) to investigate if recent accident data is available from ICAO for inclusion in the CRP on Air Accidents currently in IAEA Publications Department.

The Secretariat (Capadona) was invited to provide some feedback on the status of SSG-26.

In her Report to TRANSSC Ms Capadona explained that there had been a Consultancy Meeting early in 2019 to discuss the comments which had come from the Technical Editorial Review process. Unfortunately, there was not enough time for the CM to discuss all the comments. As a result, there will be a further CM held in July 2019 to try to resolve the comments. Following this DS 496 will be presented to TRANSSC 39 for approval. It was pointed out that the July CM would only address any remaining Technical Editorial comments. In the meantime, there were a number of further comments, around the interpretation of certain aspects of the Regulation, which had arisen in the Review. Mr Wille asked what the mandate for a Technical Editor was to raise several technical issues on the document DS-496. Ms Capadona explained that part of the SPRESS Process was that every document in the process experienced one Editorial Review from a single technical person who knowledge of all the documents in the house, in order to avoid contradiction.

Germany (Wille) raised a comment related to the degree of technical changes which are made on the document in the Technical Editorial process. Mr Shaw (IAEA Technical Editorial Review) stated that his job was to ensure that the text was consistent with the other Agency documents and not to change the technical content of the document. He added that if this editorial process had changed the technical content then TRANSSC had the right to reverse any comments or editorial changes which it felt did not do the technical content justice.

This prompted a discussion on the content of SSG-26 and the feeling that there may be some material in the document which could perhaps be moved to another document, perhaps to the Technical Basis Document (TBD). In this regard Japan had
placed Agenda Item 4.9 on the Agenda specifically to begin a discussion on a possible way forward on this point.

**USA (Boyle)** raised the concern that the Terms of Reference for the review of SSG-26 was the same as the Terms of Reference for the Review of SSR-6. As such the discussions on comments against SSG-26 should only be addressing comments which relate to changes to SSR-6 the review of SSG-26 should not be a complete re-write of SSG-26.

**Spain (Zamora)** reminded TRANSSC that part of the process of review of SSG-26 was to invite Member State comments. Such MS comments need not be restricted to changes relating to changes to SSR-6.

It was concluded that the feeling was that the work of reviewing/revising SSG-26 should take account of the Terms of Reference for the process but must also include any Technical Editorial comments. In this process, should TRANSSC feel that the Technical Editorial review has overstepped the mark then TRANSSC has the right to correct that as they see appropriate

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### 2.3 Topical Briefing and Discussion on Member States Presentations, Sharing of Operational Experience and use of IAEA Safety Standards.

#### 2.3.1 Member State Presentation from Egypt (INF-03.1)

**Egypt (Badr)** gave a presentation on the Transport of Radioactive Materials in Egypt. The Presentation has been uploaded to the TRANSSC 38 Website as INF-3.1.

#### 2.3.2 Member State Presentation from Switzerland (INF-03.2)

**Switzerland (Koch)** gave a presentation on the Transport of Radioactive Materials in Switzerland. The Presentation has been uploaded to the TRANSSC 38 Website as INF-3.2.

#### 2.3.3 Member State Presentation from EACA/MEDNET (INF-03.3)

**Netherlands (Ter Morshuizen) and Greece (Vogiatzi)** respectively, gave presentations on a Joint Meeting between the European Association of Competent Authorities (EACA) and the Mediterranean Network held between the 15th to 17th May 2019 in Athens

The Presentation has been uploaded to the TRANSSC 38 Website as INF-3.3
2.3.4 Member States Providing Presentations at TRANSSC 39

France and The Republic of Korea offered to provide presentations at TRANSSC 39.

3.0 TRANSSC TECHNICAL EXPERT GROUPS

3.1 Overview and Feedback on TTEG Process

This Agenda Item was an opportunity for TRANSSC to have an open discussion on the TTEG process to ensure that there was general agreement on the effectiveness, or otherwise, of the process.

TRANSSC had an open discussion on the concept of the TRANSSC Technical Expert Groups (TTEGs). The Secretariat saw the TTEGS as an opportunity for members of TRANSSC to systematically go through aspects of the Regulations with a questioning attitude and to bring issues to TRANSSC, in Plenary, where necessary. The Secretariat also saw that experts, who are not necessarily members of TRANSSC, had the opportunity to get involved in the discussions.

The Secretariat suggested that the Terms of Reference for the TTEGS required that each TTEG have a Chair who is a member of TRANSSC. Although not in writing, it is understood by the Secretariat, that each Chair should serve for a Term. The Secretariat sees the TTEG Chair as someone who has oversight of the work being done within the TTEG. The work performed.

USA (Boyle) requested an organisational chart of the four existing TTEGs.

TRANSSC Action 38-02:

TRANSSC Chair to provide an Organogram detailing the make-up of the four TTEGS, together with any included working groups and with contact information as necessary.

3.2 TTEG SharePoint Sites

Links to the TTEG SharePoint sites are available on the TRANSSC Members page in the folder ‘Membership and Links to TTEGs’
3.3 Allocation of Meeting Rooms.
The TTEGS were allocated meeting rooms for their further discussions.

3.4 Meeting of the TTEGS

3.5 Feedback from the TTEG’s

3.5.1 Criticality TTEG – France (Millin)
See “Feedback Criticality TTEG Item 3.5 as posted.

The Chair of the Criticality Working Group, France (Millin), presented feedback on the discussions within the TTEG. He presented a Questionnaire (INF-22) to TRANSSC with a request for TRANSSC members to respond to the Questionnaire at their earliest convenience. Mr Millin requested if completed Questionnaires could be e-mailed to him at mathieu.milin@irsn.fr before 31st October 2019.

TRANSSC Action 38-03:
Where appropriate, TRANSSC Members to complete the Criticality Questionnaire and to submit via e-mail to mathieu.milin@irsn.fr before 31st October 2019.

3.5.2 TTEG Transport Operational Matters – Netherlands (Ter Morshuizen)
See “Feedback from TTEG OM Item 3.6 as posted.

Mr Ter Morshuizen, the Chair of the WG for TRANSSC 38, raised the issue of the possible need to have a mechanism for revising SSR-6 in-between formal Review/Revision processes. In response the Secretariat (Whittingham) noted that any items identified, within TTEGs, as potential changes to SSR-6, would need to be archived until the next Review/Revision Cycle, and would need to be sponsored by a member state. ICAO (Rooney) stated that the issue of the Agency (IAEA) having a different Review/Revision Cycle was discussed at a UN/ICAO/IMO meeting earlier. She encouraged TRANSSC to have a discussion on this issue at some future TRANSSC Meeting in the not too distant future.

In response USA (Boyle) requested the Secretariat to define the term “Emergency” as it might relate to defining conditions under which TRANSSC could make a decision to implement a change to SSR-6. Further he requested the Secretariat to ask the Agency whether TRANSSC could, if the need arose, work directly with the UN and the Modal authorities to discuss potential regulation changes where the need arises.
France (Ferron) suggested a mechanism to change a document by Amendment. He stated that this has been done before by the Agency.

The Chair noted that there was a definite need for TRANSSC to have a discussion on the matter at TRANSSC 39.

TRANSSC Action 38-04:

The Secretariat to ask the Agency whether any mechanisms existed for amendments to be made to SSR-6, outside of formal Review/Revision processes. This Action item included a request for the Secretariat to formally define what is meant by an “Emergency” which would require an urgent amendment to the Regulations and whether TRANSSC could liaise directly with outside modal regulatory bodies on emergency amendments.

3.5.3 Feedback from TTEG Package Performance and Assessment, Switzerland (Koch)

See “Feedback from TTEG PPA Draft Work Plan Item 3.7 as posted.

3.5.3.1 ISO-7195 (INF-21)

The Group Supported the publication of the latest Edition of this document and seeks Guidance from the Secretariat as to how and when MS could implement this revision, bearing in mind it is not the Revision specified in SSR-6 Revision 1.

TRANSSC Action 38-05:

The Secretariat to prepare a statement explaining the method whereby MS may implement the latest Edition of ISO-7195 in their regulatory processes.

3.5.3.2 Mr Koch noted that the TTEG had produced a Work Plan.

3.5.3.3 International Database of Package Approvals.

Switzerland (Koch) raised the matter of an International Database of Competent Authority Certificates. Following some discussion on the topic it was concluded that there needed to be a discussion on the matter at TRANSSC 39. Important issues to be considered are, the Secretariats lack of resources, to manage such a database as well as the need for member states to be fully committed to updating the database as needed.

3.5.4 Feedback from the TTEG Radiation Protection.

A1/A2 Working Group – UK (Cabianca)
See Feedback from the TTEG RP A1/A2 Item 3.8 – as posted

4.0 DEVELOPMENT OF DOCUMENTS / PRODUCTS

4.1 DPP Approval for Submission to CSS (Step 3)

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<th>SPESS STEP</th>
<th>TRANSSC DECISION</th>
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<td>DS-513</td>
<td>Leadership, Management and Culture for Safety - Deadline for comments</td>
<td>Step 3</td>
<td>Approved</td>
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<tr>
<td>DS-521</td>
<td>Radiation Protection Programmes for the Transport of Radioactive Material</td>
<td>Step 3</td>
<td>Deferred for further development</td>
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4.2 Draft Safety Standards for Approval

4.2.1 Submission to Member States (Step 7)

<table>
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<th>DS 510A</th>
<th>Revision of SSG-20 Safety Assessment for Research Reactors and Preparation of the Safety Analysis Report, and</th>
<th>Step 7</th>
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<tr>
<td>DS 510B</td>
<td>Revision of SSG-24 Safety in the Utilization and Modification of Research Reactors</td>
<td>Step 7</td>
<td>Approved</td>
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4.2.2 Submission to CSS (Step 11)

| DS-469  | Preparedness and Response for an Emergency during the Transport of Radioactive Material                   | 11         | Approved                           |
4.4 Work with Other Committees

4.4.1 Chairs Meeting (INF-24)
The Chair delivered a presentation on the main points discussed at the Meeting of the Chairs held before the 45th Meeting of the CSS.

4.4.2 45th Meeting of the Commission on Safety Standards (INF-
Secretariat (Shaw) delivered the presentation. See INF-08 as posted.
In response to a question from Russia (Ershov) regarding the possible combination of the SF-1 for Safety with the SF-1 for Security, the Secretariat (Shaw) responded there were no plans at present to amalgamate both documents.

4.5.3 SF-1 Meeting
UK (Cabianca) gave feedback on the Meeting to discuss the need to revise the IAEA Safety Fundamentals 1 (SF-1) based upon the outcome of the 2012 UNSCEAR Report on Attribution of Dose; Mr Cabianca attended the Meeting on behalf of TRANSSC which was held in early March 2019. The aim of the Meeting was to prepare a DPP for a possible Safety Report on the impact, upon the Safety Fundamentals, of the 2012 UNSCEAR Report. The general IAEA position was to narrow the scope of the DPP. Mr Cabianca stated that, at the Meeting, he highlighted the unique nature of the transport regulations which are more of an operational and practical nature than other IAEA Safety Standards. Hence the relation between the Regulations and the general framework of the ICRP and of UNSCEAR is mentioned but does not form a fundamental part of the Regulations. Hence the feeling was that the impact of the UNSCEAR Report, on transport would be minimal. That was the general position of most of the Safety Committees. The DPP will be produced soon.

4.5 Information from Other UN/International Bodies on Their Documents

4.5.1 UNECE
No report received from UNECE.

4.5.2 ICAO
ICAO (Rooney), informed TRANSSC that ICAO would be having their Dangerous Goods Panel Meeting in September where they will be incorporating the amendments which were taken into the 20th Revised Edition of the UN Modal Regulations. The Meeting will form the basis of the 2021 to 2022 Technical Instructions. This will also
incorporate the relevant IAEA amendments which were incorporated into the UN Modal Regulations.

4.5.3 IMO

No report received from IMO.

4.5.4 ISO (INF-21)

ISO (Desnoyers) gave a presentation on the status of ISO7195 (NF-021)

4.6 Update on the Transport Safety e-Learning Platform

The Secretariat (Ospina-Tejeiro) gave a presentation on the status of the transport safety eLearning platform (INF-13).

4.7 Update on Programme for Revision of Transport safety Documents (INF-014)

The Secretariat (Whittingham), presented INF-14 on the Programme for Revision of Transport Safety documents. The only adjustment to the Programme as proposed, is that DPP for TSG-1.3 was not approved. This document will therefore need to be re-scheduled.

The Dual-Purpose Cask Guide (DPC Guide) will hopefully be published soon, the Secretariat to clarify the current status of the Safety/Security Guide.

Sweden (Mennerdahl) brought to the attention of TRANSSC the Agency Publication SSG-27 on Criticality Safety in the Handling of Fissile Material, commenting that it should be published within one year.

4.8 Conferences and Symposia

4.8.1 PATRAM 2019

TRANSSC was reminded of the Intended PATRAM 2019 Conference to be held in New Orleans USA in early August. TRANSSC members were encouraged to attend.

4.8.2 Transport Safety Conference 2020

The Secretariat (Whittingham) presented information on the Transport Safety Conference planned by the IAEA for 2020. The first meeting of the Programme Committee had taken place in the week of TRANSSC 38.

ICAO (Rooney) requested if the Conference could be held back-to-back with the TRANSSC Meeting at that time, to minimise travel.

The Secretariat informed TRANSSC that there would be a Consultancy Meeting in Vienna in July to try to finalise the current draft of SSG-26. This Consultancy would review any technical comments as well as the editorial comments. A third item would be to consider if any of the historical text should be taken from SSG-26 and moved to the Technical Basis Document. Additionally, consideration could be given to the proposed future of the Technical Basis Document.

Following this Consultancy, the Secretariat would post the final version of the Draft SSG-26 within the required 60-day window for TRANSSC approval at TRANSSC 39.

TRANSSC Action 38-06:

The Secretariat to post the version of the Draft SSG-26 (following the March Consultancy) within the required 60-day window for TRANSSC approval at TRANSSC 39.

4.9.1 Technical Basis Document (INF-18)

Japan (Hirose) presented INF-18 being a proposal on a possible future format for the Technical Basis Document.

France (Feron) expressed that France supported the concepts of Part 1 and Part 2 of the document (as presented) but had mixed feelings about the proposed Part 3.

Several varying viewpoints were expressed, regarding the proposal. It was clear that we would need to have a more detailed discussion on the concept in TRANSSC 39.

5.0 PROPOSED WORK PROGRAMME FOR TRANSSC

5.1 TRANSSC Work Plan INF-019

The Chair noted that the TRANSSC Work Plan had been posted as Information Paper INF-19. Members of the TTEGs had been invited to adopt item from the TRANSSC Work Plan into the Work Plans of their respective TTEGS. As such the Chair proposed to re-look at the TRANSSC Work Plan, against the TTEG Work Plans to remove any duplication.

TRANSSC Action 38-07:

The Chair to consolidate the TRANSSC Work Plan with the Work Plans of the TTEGS, where possible.
5.2 Deliverables for TRANSSC 39.

The Secretariat noted the following items for discussion in TRANSSC 39;

- Discussion on the TBD
- Discussion on Emergency Changes to SSR-6
- Discussion on frequency of the Revision Process
- ISO 7195 how do we reference to it in Rev 1 of SSR-6.
- Procedure on how to amend references to the standards
- Database on Package approvals and validations.
- A discussion on the various options for Live Streaming the TRANSSC Meeting.

TRANSSC Action 38-08:

The Chair of the TTEG on Package Performance and Assessment to discuss, with the Secretariat, ways of including discussed issues into the current review and revision process of the PDSR Guide.

6.0 INTERACTIONS WITH IAG, IAEA SAFETY COMMITTEES AND SECRETARIAT


TRANSSC were referred to Information Paper INF-019.

6.2 Joint Meeting with WASSC in 2019.

The Secretariat reminded TRANSSC of the proposed Joint Meeting which was planned with WASSC for October 2019.

TRANSSC suggested the following topics for discussion;

- Dual Purpose Cask
- Decommissioning Programmes
- Repatriation of high activity sources.
6.3 TRANSSC 39 week beginning 28 October 2019

TRANSSC 40 week beginning 01 June 2020

7.0 REVIEW OF ACTIONS ARISING

List of TRANSSC actions for TRANSSC 38

TRANSSC Action 38.01:
Ms Rooney (ICAO) to investigate if recent accident data is available from ICAO for inclusion in the CRP on Air Accidents currently in IAEA Publications Department.

TRANSSC Action 38-02:
TRANSSC Chair to provide an Organogram detailing the make-up of the four TTEGS, together with any included working groups and with contact information as necessary.

TRANSSC Action 38-03:
Where appropriate, TRANSSC Members to complete the Criticality Questionnaire and to submit via e-mail to mathieu.milin@irsn.fr before 31st October 2019.

TRANSSC Action 38-04:
The Secretariat to ask the Agency whether any mechanisms existed for amendments to be made to SSR-6, outside of formal Review/Revision processes. This Action item included a request for the Secretariat to formally define what is meant by an “Emergency” which would require an urgent amendment to the Regulations and whether or not TRANSSC could liaise directly with outside modal regulatory bodies on emergency amendments.

TRANSSC Action 38-05:
The Secretariat to prepare a statement explaining the method whereby MS may implement the latest Edition of ISO-7195 in their regulatory processes.

TRANSSC Action 38-06:
The Secretariat to post the version of the Draft SSG-26 (following the arch Consultancy) within the required 60-day window for TRANSSC approval at TRANSSC 39.

TRANSSC Action 38-07:
The Chair to consolidate the TRANSSC Work Plan with the Work Plans of the TTEGS, where possible.
TRANSSC Action 38-08:

The Chair of the TTEG on Package Performance and Assessment to discuss, with the Secretariat, ways of including discussed issues into the current review and revision process of the PDSR Guide.

8.0 AGENDA FOR TRANSSC 39

The Secretariat noted the following items for discussion in TRANSSC 39:

- Discussion on the TBD
- Discussion on Emergency Changes to SSR-6
- Discussion on frequency of the Revision Process
- ISO 7195 how do we reference to it in Rev 1 of SSR-6.
- Procedure on how to amend references to the standards
- Database on Package approvals and validations.
- A discussion on the various options for Live Streaming the TRANNSC Meeting.

9.0 CLOSE OF MEETING

The Chair thanked TRANSSC for their hard work and participation in the Meeting. He also thanked the Conference Clerk for her assistance as well as he Secretariat. Finally the Chair wished all a safe journey home.