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**Committee on the Peaceful
Uses of Outer Space**
Scientific and Technical Subcommittee
Fifty-fourth session
Vienna, 30 January-10 February 2017

Annotated provisional agenda

Provisional agenda

1. Adoption of the agenda.
2. Statement by the Chair.
3. General exchange of views and introduction of reports submitted on national activities.
4. United Nations Programme on Space Applications.
5. Space technology for sustainable socioeconomic development.
6. Matters relating to remote sensing of the Earth by satellite, including applications for developing countries and monitoring of the Earth's environment.
7. Space debris.
8. Space-system-based disaster management support.
9. Recent developments in global navigation satellite systems.
10. Space weather.
11. Near-Earth objects.
12. Use of nuclear power sources in outer space.
13. Long-term sustainability of outer space activities.
14. Examination of the physical nature and technical attributes of the geostationary orbit and its utilization and applications, including in the field of space communications, as well as other questions relating to developments in space communications, taking particular account of the needs and interests of developing countries, without prejudice to the role of the International Telecommunication Union.
15. Draft provisional agenda for the fifty-fifth session of the Scientific and Technical Subcommittee.
16. Report to the Committee on the Peaceful Uses of Outer Space.



Annotations*

2. Statement by the Chair

At its fifty-third session, in 2016, the Subcommittee elected Chiaki Mukai (Japan) Chair of its fifty-fourth session, pursuant to General Assembly resolution 70/82 of 9 December 2015.

The Chair will make a statement reviewing developments of relevance to the work of the Subcommittee that have taken place since its fifty-third session. After that statement, the Subcommittee will organize its schedule of work.

3. General exchange of views and introduction of reports submitted on national activities

The annual written reports submitted by Member States on their space activities will be made available to the Subcommittee ([A/AC.105/1133](#), Add.1 and 2).

4. United Nations Programme on Space Applications

In paragraph 19 of its resolution 71/90, the General Assembly recognized capacity-building activities under the United Nations Programme on Space Applications, which provide unique benefits for Member States participating in those activities, in particular developing countries.

The Subcommittee will have before it the following documents:

(a) Report on the United Nations/Costa Rica Workshop on Human Space Technology, held in San José from 7 to 11 March 2016 ([A/AC.105/1124](#));

(b) Report on the United Nations/Kenya Conference on Space Technology Applications for Wildlife Management and Protecting Biodiversity, held in Nairobi from 27 to 30 June 2016 ([A/AC.105/1126](#));

(c) Report on the United Nations/Austria Symposium on Integrated Space Technology Applications for Climate Change, held in Graz, Austria, from 12 to 14 September 2016 ([A/AC.105/1127](#));

(d) Report on the United Nations/International Astronautical Federation Workshop on Space Technology for Socioeconomic Benefits: Integrated Space Technologies and Applications for a Better Society, held in Guadalajara, Mexico, from 23 to 25 September 2016 ([A/AC.105/1128](#));

(e) Report on the United Nations/Islamic Republic of Iran Workshop on the Use of Space Technology for Dust Storm and Drought Monitoring in the Middle East Region, held in Tehran from 5 to 9 November 2016 ([A/AC.105/1132](#)).

5. Space technology for sustainable socioeconomic development

In paragraph 8 of its resolution 71/90, the General Assembly agreed that the Subcommittee should reconvene its Working Group of the Whole. In paragraph 16 of that resolution, the Assembly noted with satisfaction that the Committee, at its fifty-ninth session, agreed on seven thematic priorities of the fiftieth anniversary of the United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE+50), including their objectives and mechanisms.

* The annotations and the indicative schedule of work are not part of the agenda to be adopted by the Subcommittee.

The Working Group of the Whole will consider the item on space technology for sustainable socioeconomic development and will continue to consider the preparations for UNISPACE+50.

The Working Group of the Whole will have before it the following documents:

(a) Report on the United Nations/United Arab Emirates High-level Forum: Space as a Driver for Socioeconomic Sustainable Development, held in Dubai, United Arab Emirates, from 20 to 24 November 2016 ([A/AC.105/1129](#));

(b) Note by the Secretariat entitled “Fiftieth anniversary of the United Nations Conference on the Exploration and Peaceful Uses of Outer Space: the Committee on the Peaceful Uses of Outer Space and global governance of outer space activities” ([A/AC.105/1137](#)).

The Working Group of the Whole will also have before it the report on the United Nations Workshop on Space Law on the theme “Contribution of space law and policy to space governance and space security in the twenty-first century”, held in Vienna from 5 to 8 September 2016 ([A/AC.105/1131](#)).

The Working Group of the Whole will also continue to consider the work being undertaken by the expert group on space and global health (see [A/AC.105/1088](#), annex I, paras. 5-7).

6. Matters relating to remote sensing of the Earth by satellite, including applications for developing countries and monitoring of the Earth’s environment

Pursuant to paragraph 8 of General Assembly resolution 71/90, the Subcommittee will continue consideration of this item.

7. Space debris

In paragraphs 11 to 12 of its resolution 71/90, the General Assembly addressed the issue of space debris.

The Subcommittee will have before it a note by the Secretariat on national research on space debris, safety of space objects with nuclear power sources on board and problems relating to their collision with space debris, containing information received by the Secretariat from Member States and international organizations ([A/AC.105/C.1/111](#) and Add.1).

8. Space-system-based disaster management support

In paragraph 20 of its resolution 71/90, the General Assembly noted with satisfaction the tenth anniversary of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER), and recognized the significant achievements made and the advisory support provided to 38 Member States within the framework of UN-SPIDER since its establishment in 2006.

The Subcommittee will have before it the following documents:

(a) Report on activities carried out in 2016 in the framework of the United Nations Platform for Space-based Information for Disaster Management and Emergency Response ([A/AC.105/1135](#));

(b) Report on the United Nations/India Workshop on the Use of Earth Observation Data in Disaster Management and Risk Reduction: Sharing the Asian Experience, held in Hyderabad, India, from 8 to 10 March 2016 ([A/AC.105/1125](#));

(c) Report on the United Nations International Conference on Space-based Technologies for Disaster Management: Understanding Disaster Risk, held in Beijing from 19 to 21 September 2016 ([A/AC.105/1130](#)).

9. Recent developments in global navigation satellite systems

In paragraph 22 of its resolution 71/90, the General Assembly noted with satisfaction the continuous progress made towards achieving compatibility and interoperability among global and regional space-based positioning, navigation and timing systems and in the promotion of the use of global navigation satellite systems and their integration into national infrastructure, particularly in developing countries.

The Subcommittee will have before it a note by the Secretariat on the Eleventh Meeting of the International Committee on Global Navigation Satellite Systems, held in Sochi, Russian Federation, from 6 to 11 November 2016 ([A/AC.105/1134](#)) and a report on activities carried out in 2016 in the framework of the workplan of the International Committee on Global Navigation Satellite Systems ([A/AC.105/1136](#)).

10. Space weather

The Subcommittee will continue to consider the work being undertaken by the expert group on space weather (see [A/AC.105/1088](#), paras. 163-169).

11. Near-Earth objects

In paragraphs 9 to 10 of its resolution 71/90, the General Assembly noted with satisfaction the establishment of and work carried out by the International Asteroid Warning Network and the Space Mission Planning Advisory Group with the support of the Office for Outer Space Affairs. The General Assembly also declared 30 June International Asteroid Day to observe each year at the international level the anniversary of the Tunguska impact over Siberia, Russian Federation, on 30 June 1908 and to raise public awareness about the asteroid impact hazard.

12. Use of nuclear power sources in outer space

In paragraph 8 of its resolution 71/90, the General Assembly agreed that the Subcommittee should reconvene its Working Group on the Use of Nuclear Power Sources in Outer Space.

The Working Group will continue its work under the extended multi-year workplan for the period 2014-2017 ([A/AC.105/1065](#), annex II, para. 9).

The Subcommittee will have before it a draft report on the implementation of the Safety Framework for Nuclear Power Source Applications in Outer Space and general recommendations for potential future work ([A/AC.105/C.1/L.359](#)) prepared by the Working Group and the working paper submitted by the United Kingdom of Great Britain and Northern Ireland on safety recommendations for nuclear power source applications in outer space ([A/AC.105/C.1/L.360](#)).

13. Long-term sustainability of outer space activities

In paragraph 8 of its resolution 71/90, the General Assembly agreed that the Subcommittee should reconvene its Working Group on the Long-term Sustainability of Outer Space Activities.

The Working Group will continue its work in accordance with the extended programme of work for finalizing the report of the Working Group and the full compendium of guidelines on the long-term sustainability of outer space activities ([A/71/20](#), para. 137).

The Subcommittee will have before it the following documents:

(a) Note by the Secretariat, entitled “Guidelines for the long-term sustainability of outer space activities” ([A/AC.105/C.1/L.354/Rev.1](#));

(b) Outline for the report of the Working Group on the Long-term Sustainability of Outer Space Activities ([A/AC.105/C.1/L.357](#));

(c) Working paper submitted by the Russian Federation in document [A/AC.105/C.1/L.361](#).

14. Examination of the physical nature and technical attributes of the geostationary orbit and its utilization and applications, including in the field of space communications, as well as other questions relating to developments in space communications, taking particular account of the needs and interests of developing countries, without prejudice to the role of the International Telecommunication Union

Pursuant to paragraph 8 of General Assembly resolution 71/90, the Subcommittee will continue consideration of this item.

15. Draft provisional agenda for the fifty-fifth session of the Scientific and Technical Subcommittee

The draft provisional agenda for the fifty-fifth session of the Subcommittee, outlining subjects to be dealt with as single issues/items for discussion or under multi-year workplans, will be submitted to the Committee at its sixtieth session, in 2017.

The Working Group of the Whole will consider the draft provisional agenda for the fifty-fifth session of the Subcommittee, as well as organizational matters of the Subcommittee.

Symposium

In accordance with the agreement reached by the Subcommittee at its forty-fourth session, in 2007 ([A/AC.105/890](#), annex I, para. 24), and at its fifty-third session, in 2016 ([A/AC.105/1109](#), para. 263), a symposium organized by the International Astronautical Federation on the topic “Space: what is at stake in 2017 and 2018” will be held in the afternoon of 8 February 2017.

Annex

Organization of work

1. The work of the Scientific and Technical Subcommittee has been scheduled so as to afford the working groups that will be reconvened under items 5, 12, 13 and 15 the maximum amount of time available.
2. The number of statements to be made at each meeting under item 3, entitled “General exchange of views and introduction of reports submitted on national activities”, may be limited, as necessary, in order to allow sufficient time for other agenda items to be considered as planned for each meeting. As a general rule, statements should not exceed 10 minutes (A/70/20, para. 357 and A/AC.105/1088, para. 275 (b)).
3. Technical presentations should be limited to a maximum of three presentations per meeting, they should be closely linked to the agenda items of the Subcommittee and they should not exceed 15 minutes in duration. The Chair should remind delegations if that length of time is exceeded (A/70/20, para. 357 and A/AC.105/1088, para. 275 (c)).
4. An indicative schedule of work is provided below. The indicative schedule of work is a general guide to the dates and times when items will be addressed during the session. The consideration of all items may be advanced, extended or delayed, depending on the requirements of the members of the Committee and any organizational constraints faced in the course of the session.

Indicative schedule of work*

<i>Date</i>	<i>Morning</i>	<i>Afternoon</i>
Week of 30 January-3 February 2017		
Monday, 30 January	Item 1. Adoption of the agenda Item 2. Statement by the Chair Item 3. General exchange of views	Item 3. General exchange of views Item 10. Space weather Item 13. Long-term sustainability of outer space activities ^a Technical presentations
Tuesday, 31 January	Item 3. General exchange of views Item 10. Space weather Item 13. Long-term sustainability of outer space activities ^a Technical presentations	Item 3. General exchange of views Item 10. Space weather Item 13. Long-term sustainability of outer space activities ^a Technical presentations
Wednesday, 1 February	Item 3. General exchange of views Item 7. Space debris Item 12. Nuclear power sources ^b Technical presentations	Item 3. General exchange of views Item 7. Space debris Item 12. Nuclear power sources ^b Technical presentations
Thursday, 2 February	Item 3. General exchange of views Item 7. Space debris Item 12. Nuclear power sources ^b Technical presentations	Item 3. General exchange of views Item 5. Space technology for sustainable socioeconomic development ^c Item 11. Near-Earth objects Technical presentations

* At its thirty-eighth session, the Committee on the Peaceful Uses of Outer Space agreed that member States would continue to be provided with an indicative schedule of work, which would be without prejudice to the actual timing of consideration of specific agenda items (*Official Records of the General Assembly, Fiftieth Session, Supplement No. 20 (A/50/20)*, paras. 168 and 169 (b)).

<i>Date</i>	<i>Morning</i>	<i>Afternoon</i>
Friday, 3 February	Item 3. General exchange of views Item 5. Space technology for sustainable socioeconomic development ^c Item 11. Near-Earth objects Technical presentations	Item 3. General exchange of views Item 5. Space technology for sustainable socioeconomic development ^c Item 11. Near-Earth objects Technical presentations
Week of 6-10 February 2017		
Monday, 6 February	Item 3. General exchange of views Item 4. United Nations Programme on Space Applications Item 8. Disaster management support Technical presentations	Item 4. United Nations Programme on Space Applications Item 8. Disaster management support Item 9. Global navigation satellite systems Technical presentations
Tuesday, 7 February	Item 4. United Nations Programme on Space Applications Item 8. Disaster management support Item 9. Global navigation satellite systems Technical presentations	Item 6. Remote sensing Item 9. Global navigation satellite systems Item 14. Geostationary orbit Technical presentations
Wednesday, 8 February	Item 6. Remote sensing Item 14. Geostationary orbit Item 15. Draft provisional agenda for the fifty-fifth session of the Subcommittee ^c Technical presentations	Symposium organized by the International Astronautical Federation on the topic "Space: what is at stake in 2017 and 2018"
Thursday, 9 February	Item 6. Remote sensing Item 14. Geostationary orbit Item 15. Draft provisional agenda for the fifty-fifth session of the Subcommittee ^c Adoption of the report of the Working Group on the Long-term Sustainability of Outer Space Activities Technical presentations	Item 15. Draft provisional agenda for the fifty-fifth session of the Subcommittee ^c Adoption of the report of the Working Group of the Whole Adoption of the report of the Working Group on the Use of Nuclear Power Sources in Outer Space Technical presentations
Friday, 10 February	Item 16. Report to the Committee	Item 16. Report to the Committee

^a The Working Group on the Long-term Sustainability of Outer Space Activities, to be reconvened pursuant to paragraph 8 of General Assembly resolution 71/90, will meet during the session for its consideration of item 13. The Subcommittee will resume its consideration of the item on Thursday, 9 February, in order to endorse the report of the Working Group.

^b The Working Group on the Use of Nuclear Power Sources in Outer Space, to be reconvened pursuant to paragraph 8 of General Assembly resolution 71/90, will meet during the session for its consideration of item 12. The Subcommittee will resume its consideration of the item on Thursday, 9 February, in order to endorse the report of the Working Group.

^c The Working Group of the Whole, to be reconvened pursuant to paragraph 8 of General Assembly resolution 71/90, will meet during the session for its consideration of items 5 and 15. The Scientific and Technical Subcommittee will resume its consideration of those items on Thursday, 9 February, in order to endorse the report of the Working Group.