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**Committee of Experts on the Transport of Dangerous Goods  
and on the Globally Harmonized System of Classification  
and Labelling of Chemicals**

**Report of the Committee of Experts on the Transport of  
Dangerous Goods and on the Globally Harmonized System of  
Classification and Labelling of Chemicals on its sixth session**

held in Geneva on 14 December 2012

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<sup>1</sup> For practical reasons, this annex has been published as an addendum with the symbol ST/SG/AC.10/40/Add.1.

<sup>2</sup> For practical reasons, this annex has been published as an addendum with the symbol ST/SG/AC.10/40/Add.2.

<sup>3</sup> For practical reasons, this annex has been published as an addendum with the symbol ST/SG/AC.10/40/Add.3.

## Report

### I. Attendance

1. The Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals held its sixth session in Geneva on 14 December 2012.
2. Experts from the following countries took part in the session: Argentina, Austria, Brazil, Canada, Finland, France, Germany, Ireland, Italy, Japan, Norway, Sweden, Switzerland, United Kingdom and United States of America.
3. The European Union was represented.
4. Representatives of the following non-governmental organizations were also present: American Cleaning Institute (ACI); Australian Explosives Industry and Safety Group Incorporated (AEISG), Federation of Paints and Coats of Mercosul (IFPCM); European Chemical Industry Council (CEFIC) and Industrial and International Dangerous Goods and Containers Association (IDGCA).

### II. Adoption of the agenda (agenda item 1)

*Document:* ST/SG/AC.10/39 (Secretariat)

5. The Committee adopted the provisional agenda prepared by the secretariat.

### III. Election of officers (agenda item 2)

6. Ms. K. Headrick (Canada) and Mr. J. Hart (United Kingdom) were elected President and Vice-President respectively.

### IV. Resolutions and decisions of the Economic and Social Council (agenda item 3)

*Document:* ST/SG/AC.10/38 (Secretariat)

7. The Committee took note of the Economic and Social Council's resolution 2011/25 of 27 July 2011 and noted that, since no applications for membership in the Committee or any of its sub-committees were received during the period 2011-2012, it remains as follows:
  - Committee of Experts: 40 members, as detailed in the explanatory notes to the agenda;
  - Sub-Committee of Experts on the Transport of Dangerous Goods: 30 members
  - Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals: 36 members
8. The Committee noted with satisfaction that the secretariat had published the seventeenth revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.17), Amendment 1 to the fifth revised edition of the Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria

(ST/SG/AC.10/11/Rev.5/Amdt.1) and the fourth revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (ST/SG/AC.10/30/Rev.4) in all official languages of the United Nations.

9. It was also noted that the three publications were also available in electronic format:
- (a) On the website of the Transport Division of the United Nations Economic Commission for Europe ([www.unece.org/trans/danger/danger.htm](http://www.unece.org/trans/danger/danger.htm)) in all official languages of the United Nations; and
  - (b) Separately in pdf format, as sales publications.

## **V. Work of the Sub-Committee of Experts on the Transport of Dangerous Goods during the biennium 2011-2012 (agenda item 4)**

*Documents:* ST/SG/AC.10/C.3/78  
ST/SG/AC.10/C.3/80  
ST/SG/AC.10/C.3/82 and -Add.1  
ST/SG/AC.10/C.3/2012/CRP.3 and -Add.1 to 9  
ST/SG/AC.10/C.3/2012/CRP.4 and -Add.1 to 6

10. The Committee took note of the reports of the Sub-Committee of Experts on the Transport of Dangerous Goods (TDG Sub-Committee) on its thirty-eight, fortieth and forty-first sessions. The Committee noted also that the Sub-Committee had adopted the report on its forty-second session (3 –11 December 2012) on the basis of a draft prepared by the secretariat (ST/SG/AC.10/C.3/2012/CRP.3 and Add.1-9 and -/CRP.4 and Add. 1-6) with some slight modifications. The final report has been issued as ST/SG/AC.10/C.3/84.

11. The Committee endorsed the reports of the Sub-Committee, including the amendments to the existing recommendations on the transport of dangerous goods and the new recommendations made (see annexes I and II).

## **VI. Work of the Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals during the biennium 2011-2012 (agenda item 5)**

*Documents:* ST/SG/AC.10/C.4/42  
ST/SG/AC.10/C.4/44  
ST/SG/AC.10/C.4/46  
ST/SG/AC.10/C.4/2012/CRP.1 and -Add.1 to 4  
ST/SG/AC.10/C.4/2012/CRP.2 and -Add.1-2

12. The Committee took note of the reports of the Sub-Committee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals (GHS Sub-Committee) on its twenty-first, twenty-second and twenty-third sessions. The Committee noted also that the Sub-Committee had adopted the report on its twenty-fourth session (12–14 December 2012) on the basis of a draft prepared by the secretariat (ST/SG/AC.10/C.4/2012/CRP.1 and Add. 1-4 and -/CRP.2 and Add.1-2) with some minor changes. The final report has been issued as ST/SG/AC.10/C.4/48 and Add.1.

13. The Committee endorsed the reports of the Sub-Committee, including the amendments to the existing text of the GHS and the new provisions adopted (see annex III).

## VII. Programme of work for the biennium 2013-2014 (agenda item 6)

### (a) Programme of work

*Informal documents:* INF.1 and INF.2 (Secretariat)

14. The Committee approved the programme of work of the two sub-committees as reflected in ST/SG/AC.10/C.3/84, paragraph 86 and ST/SG/AC.10/C.4/48, annex IV.

### (b) Calendar of meetings

15. Informed by the secretariat about the availability of conference facilities, the Committee agreed that the schedule of meetings for 2013-2014 should be as follows:

#### 2013

24–28 June:	TDG Sub-Committee, 43rd session (10 meetings)
1–3 July:	GHS Sub-Committee, 25th session (6 meetings)
25 November – 4 (morning) December:	TDG Sub-Committee, 44th session (15 meetings)
4 (afternoon) – 6 December:	GHS Sub-Committee, 26th session (5 meetings)

#### *Total:*

TDG: 25 meetings

GHS: 11 meetings

#### 2014

23 June – 2 (morning) July:	TDG Sub-Committee, 45th session (15 meetings)
2 (afternoon) – 4 July:	GHS Sub-Committee, 27th session (5 meetings)
1–9 December:	TDG Sub-Committee, 46th session (14 meetings)
10–12 (morning) December:	GHS Sub-Committee, 28th session (5 meetings)
12 (afternoon) December:	Committee, 7th session (1 meeting)

#### *Total:*

TDG: 29 meetings

GHS: 10 meetings

Committee: 1 meeting

**VIII. Draft resolution 2013/... of the Economic and Social Council  
(agenda item 7)**

*Informal document:* INF.22 (42<sup>nd</sup> session, TDG Sub-Committee)/INF.18 (24<sup>th</sup> session,  
GHS Sub-Committee) (Secretariat)

16. The Committee adopted a draft resolution for consideration by the Council at its 2013 substantive session (see annex IV).

**IX. Any other business (agenda item 8)**

17. No issue was discussed under this agenda item.

**X. Adoption of the report (agenda item 9)**

18. The Committee adopted the report on its sixth session and the annexes thereto on the basis of a draft prepared by the secretariat.

## **Annex I**

**Amendments to the seventeenth revised edition of the Recommendations on the Transport of Dangerous Goods, Model Regulations (ST/SG/AC.10/1/Rev.17)**

(See ST/SG/AC.10/40/Add.1)

## **Annex II**

**Amendments to the fifth revised edition of the Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.5)**

(See ST/SG/AC.10/40/Add.2)

## **Annex III**

**Amendments to the fourth revised edition of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (ST/SG/AC.10/30/Rev.4)**

(See ST/SG/AC.10/40/Add.3)

## Annex IV

### Draft resolution 2013/... of the Economic and Social Council

2013/...

#### Work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

*The Economic and Social Council,*

*Recalling* its resolutions 1999/65 of 26 October 1999 and 2011/25 of 27 July 2011,

*Having considered* the report of the Secretary-General on the work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals during the biennium 2011–2012,<sup>1</sup>

#### **A. Work of the Committee regarding the transport of dangerous goods**

*Recognizing* the importance of the work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals for the harmonization of codes and regulations relating to the transport of dangerous goods,

*Bearing in mind* the need to maintain safety standards at all times and to facilitate trade, as well as the importance of these issues to the various organizations responsible for modal regulations, while meeting the growing concern for the protection of life, property and the environment through the safe and secure transport of dangerous goods,

*Noting* the ever-increasing volume of dangerous goods being introduced into worldwide commerce and the rapid expansion of technology and innovation,

*Recalling* that, while the major international instruments governing the transport of dangerous goods by the various modes of transport and many national regulations are now better harmonized with the Model Regulations annexed to the Committee's recommendations on the transport of dangerous goods, further work on harmonizing these instruments is necessary to enhance safety and to facilitate trade, and recalling also that uneven progress in the updating of national inland transport legislation in some countries of the world continues to present serious challenges to international multimodal transport,

1. *Expresses its appreciation* for the work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals with respect to matters relating to the transport of dangerous goods, including their security in transport;

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<sup>1</sup> [E/2013/...].



2. *Requests* the Secretary-General:

(a) To circulate the new and amended recommendations on the transport of dangerous goods<sup>2</sup> to the Governments of Member States, the specialized agencies, the International Atomic Energy Agency and other international organizations concerned;

(b) To publish the eighteenth revised edition of the Recommendations on the Transport of Dangerous Goods: Model Regulations<sup>3</sup> and amendment 2 to the fifth revised edition of the *Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria*<sup>4</sup> in all the official languages of the United Nations, in the most cost-effective manner, no later than the end of 2013;

(c) To make those publications available on the website of the Economic Commission for Europe,<sup>5</sup> which provides secretariat services to the Committee, in book format and also as a CD-ROM;

3. *Invites* all Governments, the regional commissions, the specialized agencies, the International Atomic Energy Agency and the other international organizations concerned to transmit to the secretariat of the Committee their views on the Committee's work, together with any comments that they may wish to make on the recommendations on the transport of dangerous goods;

4. *Invites* all interested Governments, the regional commissions, the specialized agencies and the international organizations concerned to take into account the recommendations of the Committee when developing or updating appropriate codes and regulations;

5. *Requests* the Committee to study, in consultation with the International Maritime Organization, the International Civil Aviation Organization, the regional commissions and the intergovernmental organizations concerned, the possibilities of improving the implementation of the Model Regulations on the transport of dangerous goods in all countries for the purposes of ensuring a high level of safety and eliminating technical barriers to international trade, including through the further harmonization of international agreements or conventions governing the international transport of dangerous goods;

6. *Invites* all Governments, as well as the regional commissions and organizations concerned, the International Maritime Organization and the International Civil Aviation Organization to provide feedback to the Committee regarding differences between the provisions of national, regional or international legal instruments and those of the Model Regulations, in order to enable the Committee to develop cooperative guidelines for enhancing consistency between these requirements and reducing unnecessary impediments; to identify existing substantive and international, regional and national differences, with the aim of reducing those differences in modal treatment to the greatest extent practical and ensuring that where differences are necessary they do not pose impediments to the safe and efficient transport of dangerous goods; and to undertake an editorial review of the Model Regulations and various modal instruments with the aim of improving clarity, user friendliness and ease of translation;

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<sup>2</sup> See ST/SG/AC.10/40/Add.1 and 2.

<sup>3</sup> ST/SG/AC.10/1/Rev.18.

<sup>4</sup> ST/SG/AC.10/11/Rev.5/Amend.2.

<sup>5</sup> [www.unece.org/trans/danger/danger.html](http://www.unece.org/trans/danger/danger.html).

## B. Work of the Committee regarding the Globally Harmonized System of Classification and Labelling of Chemicals

*Bearing in mind* that in paragraph 23 (c) of the Plan of Implementation of the World Summit on Sustainable Development (“Johannesburg Plan of Implementation”),<sup>6</sup> countries were encouraged to implement the Globally Harmonized System of Classification and Labelling of Chemicals as soon as possible with a view to having the system fully operational by 2008,

*Bearing in mind also* that the General Assembly, in its resolution 57/253 of 20 December 2002, endorsed the Johannesburg Plan of Implementation and requested the Economic and Social Council to implement the provisions of the Plan relevant to its mandate and, in particular, to promote the implementation of Agenda 21<sup>7</sup> by strengthening system-wide coordination,

*Noting with satisfaction:*

(a) That the Economic Commission for Europe and all United Nations programmes and specialized agencies concerned with chemical safety in the field of transport or of the environment, in particular the United Nations Environment Programme, the International Maritime Organization and the International Civil Aviation Organization, have already taken appropriate steps to amend or update their legal instruments in order to give effect to the Globally Harmonized System of Classification and Labelling of Chemicals or are considering amending them as soon as possible,

(b) That the International Labour Organization, the Food and Agriculture Organization of the United Nations and the World Health Organization are also taking appropriate steps to adapt their existing chemical safety recommendations, codes and guidelines to the Globally Harmonized System, in particular in the areas of occupational health and safety, pesticide management and the prevention and treatment of poisoning,

(c) That national legislation or standards implementing the Globally Harmonized System (or allowing its application) in one or several sectors have already been issued in Brazil (2009), China (2010), Ecuador (2009), Japan (2006), Mauritius (2004), Mexico (2011), New Zealand (2001), the Republic of Korea (2006), Russian Federation (2010), Serbia (2010), Singapore (2008), South Africa (2009), Switzerland (2009), Uruguay (2009) and Viet Nam (2009), as well as in the 27 countries member of the European Union and the 3 countries member of the European Economic Area (2008),<sup>8</sup>

(d) That in Australia, the Model Work Health and Safety legislation and its related regulations and Codes of Practice implementing the provisions of the third revised edition of the Globally Harmonized System, have already entered into force in 5 out of 9 of the Australian jurisdictions on January 2012, and are expected to enter into force in two additional jurisdictions on January 2013,<sup>8</sup>

(e) That in the European Union, the second and third adaptations to technical progress to its Classification, Labelling and Packaging Regulation, intended to bring its

<sup>6</sup> *Report of the World Summit on Sustainable Development, Johannesburg, South Africa, 26 August–4 September 2002* (United Nations publication, Sales No. E.03.II.A.1 and corrigendum), chap. I, resolution 2, annex.

<sup>7</sup> *Report of the United Nations Conference on Environment and Development, Rio de Janeiro, 3–14 June 1992, vol. I, Resolutions Adopted by the Conference* (United Nations publication, Sales No. E.93.I.8 and corrigendum), resolution 1, annex II.

<sup>8</sup> Information on implementation of the Globally Harmonized System by country and through international legal instruments, recommendations, codes and guidelines is available from [www.unece.org/trans/danger/publi/ghs/implementation\\_e.html](http://www.unece.org/trans/danger/publi/ghs/implementation_e.html).

provisions in line with those the third revised edition of the Globally Harmonized System, entered into force on 19 April 2011 and 31 July 2012, respectively and that a fourth adaptation intended to align the aforementioned regulation with the fourth revised edition of the Globally Harmonized System is expected to be published in 2013,<sup>8</sup>

(f) That in Thailand, the Ministry of Industry's Notification on a System of Hazard Classification and Communication of Hazardous Substances and its attached Provision, giving effect to the provisions of the third revised edition of the Globally Harmonized System, entered into force on 13 March 2012, and that similar pieces of legislation implementing the Globally Harmonized System in other sectors (e.g. supply/use) were being finalised,<sup>8</sup>

(g) That in the United States of America, the revised Hazard Communication Standard implementing the provisions of the third revised edition of the Globally Harmonized System at the workplace became effective on 25 May 2012,<sup>8</sup>

(h) That work on the development or revision of national legislation, standards or guidelines applicable to chemicals in implementation of the Globally Harmonized System continues in other countries (e.g., Canada, Chile, Indonesia and Philippines) while in some others (e.g. Barbados, Bolivia, Chile, Colombia, Gambia, Guatemala, Jamaica, Kyrgyzstan, Malaysia, Mexico, Republic of Congo, Tajikistan and Zambia) activities related to the development of sectoral implementation plans or national implementation strategies are being conducted or are expected to be initiated soon,<sup>8</sup>

(i) That a number of United Nations programmes and specialized agencies and regional organizations, in particular the United Nations Institute for Training and Research, the International Labour Organization, the World Health Organization, the Economic Commission for Europe, the Asia-Pacific Economic Cooperation, the Organization for Economic Cooperation and Development, Governments, the European Union and nongovernmental organizations representing the chemical industry, have organized or contributed to multiple workshops, seminars and other capacity-building activities at the international, regional, subregional and national levels in order to raise administration, health sector and industry awareness and to prepare for or support the implementation of the Globally Harmonized System,

*Aware* that effective implementation will require further cooperation between the Subcommittee of Experts on the Globally Harmonized System of Classification and Labelling of Chemicals and the international bodies concerned, continued efforts by the Governments of Member States, cooperation with the industry and other stakeholders, and significant support for capacity-building activities in countries with economies in transition and developing countries,

*Recalling* the particular significance of the United Nations Institute for Training and Research, the International Labour Organization and the Organization for Economic Cooperation and Development Global Partnership for Capacity-building to Implement the Globally Harmonized System of Classification and Labelling of Chemicals for building capacities at all levels,

1. *Commends* the Secretary-General on the publication of the fourth revised edition of the *Globally Harmonized System of Classification and Labelling of Chemicals*<sup>9</sup> in the six official languages of the United Nations, in book form and on CD-ROM, and its availability, together with related informational material, on the website of the Economic Commission for Europe<sup>5</sup> which provides secretariat services to the Committee of Experts

<sup>9</sup> United Nations publication, Sales No. E.11.II.E.6 and corrigenda.

on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals;

2. *Expresses its deep appreciation* to the Committee, the Economic Commission for Europe, United Nations programmes, specialized agencies and other organizations concerned for their fruitful cooperation and their commitment to the implementation of the Globally Harmonized System;

3. *Requests* the Secretary-General:

(a) To circulate the amendments<sup>10</sup> to the fourth revised edition of the *Globally Harmonized System of Classification and Labelling of Chemicals* to the Governments of Member States, the specialized agencies and other international organizations concerned;

(b) To publish the fifth revised edition of the *Globally Harmonized System of Classification and Labelling of Chemicals*<sup>11</sup> in all the official languages of the United Nations in the most cost-effective manner, no later than the end of 2013, and to make it available on CD-ROM and on the website of the Economic Commission for Europe;<sup>5</sup>

(c) To continue to make information on the implementation of the Globally Harmonized System available on the website of the Economic Commission for Europe;<sup>8</sup>

4. *Invites* Governments that have not yet done so to take the necessary steps, through appropriate national procedures and/or legislation, to implement the Globally Harmonized System as soon as possible;

5. *Reiterates its invitation* to the regional commissions, United Nations programmes, specialized agencies and other organizations concerned to promote the implementation of the Globally Harmonized System and, where relevant, to amend their respective international legal instruments addressing transport safety, workplace safety, consumer protection or the protection of the environment, so as to give effect to the Globally Harmonized System through such instruments;

6. *Invites* Governments, the regional commissions, United Nations programmes, specialized agencies and other organizations concerned to provide feedback to the Subcommittee of Experts on the Globally Harmonized System on the steps taken for the implementation of the Globally Harmonized System in all relevant sectors, through international, regional or national legal instruments, recommendations, codes and guidelines, including, when applicable, information about the transitional periods for its implementation;

7. *Encourages* Governments, the regional commissions, United Nations programmes, specialized agencies and other relevant international organizations and non-governmental organizations, in particular those representing industry, to strengthen their support for the implementation of the Globally Harmonized System by providing financial contributions and/or technical assistance for capacity-building activities in developing countries and countries with economies in transition;

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<sup>10</sup> ST/SG/AC.10/40/Add.3.

<sup>11</sup> ST/SG/AC.10/30/Rev.5.

### C. Programme of work of the Committee

*Taking note* of the programme of work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals for the biennium 2013–2014 as contained in paragraphs [... and ...]<sup>10</sup> of the report of the Secretary-General,<sup>1</sup>

*Noting* the relatively poor level of participation of experts from developing countries and countries with economies in transition in the work of the Committee and the need to promote their wider participation in its work,

1. *Decides* to approve the programme of work of the Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals;

2. *Stresses* the importance of the participation of experts from developing countries and from countries with economies in transition in the work of the Committee, calls in that regard for voluntary contributions to facilitate their participation, including through support for travel and daily subsistence, and invites Member States and international organizations in a position to do so to contribute;

3. *Requests* the Secretary-General to submit to the Economic and Social Council in 2015 a report on the implementation of the present resolution, the recommendations on the transport of dangerous goods and the Globally Harmonized System of Classification and Labelling of Chemicals.

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<sup>10</sup> [To be completed]