



**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals****Sub-Committee of Experts on the Transport of Dangerous Goods****Fifty-second session**

Geneva, 27 November-6 December 2017

Item 10 (b) of the provisional agenda

**Issues relating to the Globally Harmonized System
of Classification and Labelling of Chemicals:
testing of oxidizing substances****Tests for oxidizing liquids (UN Test O.2) and oxidizing solids
(UN Tests O.1 and O.3)
Consequential amendments of cellulose replacement to test
descriptions****Transmitted by the expert from France*****Introduction**

1. During its eighth session, the Committee approved the programme of work of its two sub-committees for the biennium 2017-2018 (see ST/SG/AC.10/44, para 14; ST/SG/AC.10/C.3/100, para 98; ST/SG/AC.10/C.4/64, annex III). This programme of work includes the tests for oxidizing liquids and oxidizing solids.
2. This programme of work focuses on consequential amendments to UN Test O.1 to O.3 as a follow-up of the replacement of cellulose as agreed by the Committee (see ST/SG/AC.10/44, para. 11 and /Add. 2, section 34; ST/SG/AC.10/C.3/100, paras. 79-82; ST/SG/AC.10/C.3/64, para. 14).
3. During the fifty-first session of the Sub-Committee of Experts on the Transport of Dangerous Goods the expert from France presented its proposed calendar for the

* In accordance with the programme of work of the Sub-Committee for 2017-2018 approved by the Committee at its eighth session (see ST/SG/AC.10/C.3/100, paragraph 98 and ST/SG/AC.10/44, para. 14)

development of the consequential amendments (see ST/SG/AC.10/C.3/2017/28) together with items and a way to proceed forward (see informal document INF.12 (51st session)).

4. Interested experts and laboratories were invited by the expert from France to provide comments (see ST/SG/AC.10/C.3/102, para. 93).

Summary of progress

5. The following items for consideration as consequential amendments were confirmed:

- Definition of the reference substances in particular for allocation to PGII and PGIII in UN Test O.2;
- Ways to check and/or confirm the concentration of the reference oxidizer (calcium peroxide) before testing in UN Test O.3;
- Consequence of a possible expansion of the coefficient of correlation (R^2) from 0.95 to 0.90 and of the standard deviation from 10% to 20% for burning rates in UN Test O.3;
- Explore the possible reasons of ignition wire breakage in UN Test O.3.

6. The above items are under investigation, together with other items mentioned earlier by experts. Detailed results of the investigation will be provided later in an INF document after a meeting between experts and laboratories scheduled on 25-26 September 2017 in Germany.

7. In accordance with the calendar set up in ST/SG/AC.10/C.3/2017/28 proposed draft consequential amendments will be given in the INF document by the end of October 2017.
