



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-SECOND MEETING

Montréal, 5 to 16 October 2009

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2011-2012 Edition

**SPECIAL PROVISION A130 AND APPLICATION OF RADIOACTIVE MATERIAL,
EXCEPTED PACKAGE LABEL**

(Presented by D. Brennan)

SUMMARY

This paper seeks to clarify the application of the radioactive material, excepted package label for substances classified as other than Class 7 by virtue of Special Provision A130.

Action by the DGP: The DGP is invited to amend Special Provision A130 as shown in the appendix.

1. INTRODUCTION

1.1 Working paper DGP/22-WP/6 sets out the draft amendments to Part 3 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) to reflect the decisions taken by the UN Subcommittee of Experts to amend the UN Model Regulations. Included in this working paper are proposed amendments to Special Provision A130, which applies to radioactive material, excepted packages where the radioactive material meets the definitions and criteria of other classes or divisions.

1.2 The changes proposed to A130 clarify the application of A130 for radioactive material, excepted packages where the substance is also classified in a class or division other than Class 7. Where the quantity of the substance exceeds the limits set out in Chapter 3;5 for dangerous goods in excepted quantity, the substance must be classified according to the other class or division.

1.3 The issue that needs to be addressed is the application of the Radioactive material, excepted package label (Figure 5-30) when a substance that meets the requirements as a radioactive material, excepted package is classified as other than Class 7 according to SP A130.

1.4 The radioactive material, excepted package label was introduced to provide a clear visual indication to all persons handling such packages that the package contains radioactive materials, albeit very low activity. Prior to the adoption of this label the only indication that the package contained radioactive materials was the applicable UN number marked on the outside of the package.

1.5 However, for a substance that is classified as other than Class 7 the package will bear hazard label(s) according to the other class / division. The hazard label(s) though will not provide any indication that in addition to the hazard identified by the label(s) the substance will also be a radioactive and that in the event of damage to the package there may be a need to take the radioactivity into account in site clean up.

1.6 On that basis it is believed that there is a benefit in requiring the application of the radioactive material, excepted package label in addition to the applicable hazard label(s), if only to reinforce that the package does contain a radioactive in addition to the hazard identified by the label(s).

APPENDIX

PROPOSED AMENDMENT TO THE TECHNICAL INSTRUCTIONS

Part 3

DANGEROUS GOODS LIST,
SPECIAL PROVISIONS AND
LIMITED AND EXCEPTED QUANTITIES

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Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

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Editorial Note.— Amended A130 is reproduced from DGP/22-WP/6. Additional text proposed by this working paper appears as shaded text.

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A130 (290) When this radioactive material meets the definitions and criteria of other classes or divisions as defined in Part 2, it must be classified in accordance with the following:

a) Where the substance meets the criteria for dangerous goods in excepted quantities as set out in 3:5, the packagings must be in accordance with 3:5.2 and meet the testing requirements of 3:5.3. All other requirements applicable to radioactive material, excepted packages as set out in 1:6.1.5 must apply without reference to the other class or division;

b) Where the quantity exceeds the limits specified in 3:5.1.2, the substance must be classified in accordance with the predominant subsidiary risk. The dangerous goods transport document must describe the substance with Such material must be declared under the proper shipping name and UN number applicable to the other class supplemented with appropriate for the material in that predominant Class or division, with the addition of the name applicable to this the radioactive material excepted package according to column 1 of the Dangerous Goods List, and must be transported in accordance with the provisions applicable to that UN number. An example of the information shown on the dangerous goods transport document is:

UN 1993 Flammable liquid, n.o.s. (ethanol and toluene mixture), Radioactive material, excepted package — limited quantity of material, Class 3, PG II

Packages must bear the radioactive material, excepted package label (Figure 5-30) in addition to the hazard label(s) applicable to the class/division as described on the dangerous goods transport document. The UN number indicated on the label must be that shown on the dangerous goods transport document. In addition, all other the requirements specified in of 4:6-4.5 2:7.2.4.1.1 must apply;

c) The provisions of 3:4 for the transport of dangerous goods packed in limited quantities must not apply to substances classified in accordance with sub-paragraph b);

d) When the substance meets a special provision that exempts this substance from all dangerous goods provisions of the other classes, it must be classified in accordance with the applicable UN number of Class 7 and all requirements specified in 1:6.1.5 must apply.