



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)  
WORKING GROUP MEETING (DGP-WG/16)**

Montreal, 17 to 21 October 2016

**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 2019-2020 Edition**

**2.7: Part 7 — Operator's Responsibilities**

**DANGEROUS GOODS NOT REQUIRED TO APPEAR IN THE INFORMATION TO THE PILOT-IN-COMMAND**

(Presented by B. Carrara)

**SUMMARY**

This working paper invites the DGP-WG to consider whether or not there is a need to amend the list of dangerous goods not required to appear in the information to the pilot in command contained in Part 7;4 Table 7-9 with respect to UN 2807 — **Magnetized material** and UN 3164 — **Articles, pressurized, hydraulic or pneumatic**.

**Action by the DGP-WG:** The DGP-WG is invited to consider the situation described for UN 2807 and UN 3164 in this working paper in order to decide whether or not these dangerous goods need to be listed in Table 7-9 and whether or not the text in the table needs to be clarified.

**1. INTRODUCTION**

1.1 Part 7;4, Table 7-9 of the Technical Instructions lists dangerous goods that do not need to appear in the information to the pilot-in-command. This working paper analyses situations involving the information to the pilot-in-command requirements for the following:

- a) UN 2807 — **Magnetized material**; and
- b) UN 3164 — **Articles, pressurized, hydraulic** containing non-flammable gas  
UN 3164 — **Articles, pressurized, pneumatic** containing non-flammable gas

## 1.2 UN 2807 — Magnetized material

1.2.1 Table 7-9 lists UN 2807 — **Magnetized material** as one of the items of dangerous goods that does not need to appear in the information to the pilot-in-command in accordance with Packing Instruction 953.

1.2.2 On the other hand, Packing Instruction 953 splits UN 2807 into two categories:

- a) Magnetized materials with field strengths causing a compass deflection of more than 2 degrees at a distance of 2.1 m but not more than 2 degrees at a distance of 4.6 m; and
- b) Magnetized material with a field strength sufficient to cause a compass deflection of more than 2 degrees at a distance of 4.6 m.

1.2.3 According to Packing Instruction 953, only magnetized materials with field strengths causing a compass deflection of more than 2 degrees at a distance of 2.1 m but not more than 2 degrees at a distance of 4.6 m are relieved from appearing in the information provided to the pilot-in-command.

1.2.4 Table 7-9 does not mention this particularity, showing all magnetized materials under UN 2807 as if they do not need to appear in the information provided to the pilot-in-command.

1.2.5 It is noted that Table 7-9 explicitly describes cases when lithium batteries do not need to appear in the information provided to the pilot-in-command (i.e. Section II).

1.2.6 We understand that further discussion is needed in order to decide if specific text needs to be included in Table 7-9 to clarify that not all magnetized materials need to appear in the information provided to the pilot-in-command.

## 1.3 UN 3164 — Articles, pressurized hydraulic containing non-flammable gas and Articles, pressurized, pneumatic containing non-flammable gas

1.3.1 According to Table 3-1 of the Technical Instructions, dangerous goods assigned to UN 3164 — **Articles, pressurized, hydraulic** containing non-flammable gas and **Articles, pressurized, pneumatic** containing non-flammable gas are related to the Packing Instruction 208.

1.3.2 Packing Instruction 208 lists three conditions under which dangerous goods assigned to UN 3164 may be carried:

- a) when installed in construction equipment and assembled machinery, designed and constructed with a burst pressure of not less than 5 times their charged pressure at 21°C when shipped;
- b) when tightly packed to prevent movement in strong outer packagings and charged to not more than 1 380 kPa at 21°C; and
- c) when tightly packed to prevent movement in strong outer packagings and charged with a pressure exceeding 1 380 kPa at 21°C.

1.3.3 The first condition, described in paragraph a) of Packing Instruction 208 (reproduced in paragraph 1.3.2 a) above), includes the following note relieving the dangerous goods from being included in the information to the pilot-in-command:

*Note.— Labelling, marking, dangerous goods transport document and information to pilot-in-command are not required.*

1.3.4 This note only applies to the first condition (paragraph a)), which means that the dangerous goods need to appear in the information provided to the pilot-in-command when shipped in accordance with the conditions described under paragraphs b) and c). Table 7-9 does not show any entry related to UN 3164.

1.3.5 This situation is similar to the one described before for UN 2807. This means that for both UN 2807 and UN 3164 there is a specific packing instruction dividing the dangerous goods into different categories. A few of these categories imply that the dangerous goods do not need to appear in the information to the pilot-in-command. UN 2807 — **Magnetized material** is listed in Table 7-9 and UN 3164 — **Articles, pressurized hydraulic** containing non-flammable gas/**Articles, pressurized, pneumatic** containing non-flammable gas is not, which shows inconsistency.

1.3.6 We understand that further discussions are needed in order to decide if UN 3164 needs to appear in Table 7-9.

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider the situation described for UN 2807 and UN 3164 in this working paper in order to decide whether or not these dangerous goods need to be listed in Table 7-9 and whether or not the text in the table needs to be clarified.

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