



DGP/24-IP/10  
4/11/13

## **DANGEROUS GOODS PANEL (DGP)**

### **TWENTY-FOURTH MEETING**

**Montréal, 28 October to 8 November 2013**

#### **Agenda Item 6: Other business**

#### **CLARIFICATIONS ON THE USE OF HAZMAT IN FLIGHT PLAN**

(Presented by the Air Traffic Management Requirements  
and Performance Panel (ATMRPP))

#### **SUMMARY**

The DGP is invited to review and comment on the attached working paper prepared by the Air Traffic Management Requirements and Performance Panel (ATMRPP).

-----



**APPENDIX**

**CLARIFICATIONS ON THE USE OF HAZMAT IN FLIGHT PLAN**





**WORKING PAPER**

**AIR TRAFFIC MANAGEMENT REQUIREMENTS AND PERFORMANCE PANEL (ATMRPP)**

**24th WORKING GROUP MEETING**

**Sydney, Australia, 24 to 28 June 2013**

**Agenda Item 1: FF-ICE Provisions**

**Clarifications on the use of HAZMAT in flight plan**

(Presented by the Secretary)

**SUMMARY**

This paper presents the results of the coordination meeting between the ATMRPP secretary and the Dangerous Goods Panel (DGP) secretary related to clarifications requested by the ATMRPP Brussels WG meeting regarding the use of the indicator HAZMAT in flight plan.

**1. INTRODUCTION**

- 1.1 At the Brussels meeting it was requested that the ATMRPP secretary coordinate with the secretary of the DGP some clarifications regarding the use of the indicator HAZMAT in flight plan.
- 1.2 A meeting was realized and the results and proposal are described in this paper.

**2. DISCUSSION**

- 2.1 With the introduction of Amendment 1 to PANS-ATM regarding FPL provisions, a series of clarifications were requested to allow harmonization on the use of some indicators in Item 18 of the FPL.
- 2.2 One of the necessary clarifications requested were on the use of HAZMAT. The descriptor is used after the indicator STS/ to indicate a flight carrying hazardous material.
- 2.3 Part of the discussions with the Secretary of DGP was related to the use of HAZMAT although Annex 18 - The Safe Transport of Dangerous Goods by Air and the Technical Instructions for the Safe

Transport of Dangerous Goods by Air (Doc. 9284) do not use the expression “hazardous material” but instead, “dangerous goods”.

- 2.4 It was clarified that the expression “hazardous material” is an old expression that should be updated to reflect the standards in Annex 18 and guidance on Doc. 9284. This could be done as part of the Flight and Flow-Information for a Collaborative Environment (FF-ICE) future provisions developments.
- 2.5 Regarding the intent of the descriptor, it was also clarified that the indication of HAZMAT does not bring many benefits in terms of assistance in case of emergency situations considering the diversity of the dangerous goods that can be represented by the descriptor HAZMAT. Without further clarifications, the effectiveness of the indication of STS/HAZMAT is limited.
- 2.6 According to Annex 18 and Doc. 9284, if an in-flight emergency occurs, the pilot-in-command shall, as soon as the situation permits, inform the appropriate air traffic services unit, for the information of aerodrome authorities, of any dangerous goods on board the aircraft. It is worth to highlight that depending on the type of emergency the pilot will not be able to comply with this standard.
- 2.7 To guarantee the effective application of the provisions it would be necessary an advanced information to the ATS units involved with the flight on the class and division of dangerous goods being carried which would facilitated the application of necessary measures to attend the nature of the emergency involving the aircraft transporting dangerous goods.
- 2.8 Based on the previous paragraph, a proposal is made for clarification of the meaning of HAZMAT that could be included after RMK/, and promoted by the clarification document to be prepared by the ATMRPP although acknowledging the issues regarding the maximum size of the FPL message that can cause the truncation of the information provided after the mentioned indicator or the issues related to the parsing of free text. The proposal for clarification is in the Appendix A to this paper.

### 3. **ACTION BY THE MEETING**

- 3.1 The meeting is requested to consider the proposal in the Appendix A for inclusion in the clarifications document to be prepared by the ATMRPP.

— END —

### Appendix A

#### Use of STS/HAZMAT

Whenever carrying dangerous goods (hazardous material), the operator shall inform in Item 18 STS/HAZMAT.

To provide details on the nature of the dangerous goods being carried, the operator shall inform the Class and the Division, when exists, which represents the dangerous goods according to the Technical Instructions for the Safe Transport of Dangerous Goods by Air ( Doc.9284) using two digits following the indicator RMK/ and without the “.” . When the Class does not have divisions, the code should be completed with a “0” (zero) following the Class.

The table below presents the classes of dangerous goods and its respective divisions for the purpose of flight plan and how they should be informed in the FPL following the indicator RMK/. If more than one class or division is being carried, the respective codes shall be indicated without a space.

Example: RMK/DG1170, meaning: aircraft carrying substances and articles which have a mass explosion hazard and radioactive material.

CLASS	DIVISION/FPL					
<b>1-Explosives</b>	1.1 Substances and articles which have a mass explosion hazard	1.2 Substances and articles which have a projection hazard but not a mass explosion hazard	1.3 Substances and articles which have a fire hazard and either a minor blast hazard or a minor projection hazard or both, but not a mass explosion hazard	1.4 Substances and articles which present no significant hazard	1.5 Very insensitive substances which have a mass explosion hazard	1.6 Extremely insensitive articles which do not have a mass explosion hazard
	FPL: RMK/DG11	FPL: RMK/DG12	FPL: RMK/DG13	FPL: RMK/DG14	FPL: RMK/DG15	FPL: RMK/DG16
<b>2- Gases</b>	2.1 Flammable gases	2.2 Non-flammable, non-toxic gases	2.3 Toxic gases			
	FPL: RMK/DG21	FPL: RMK/DG22	FPL: RMK/DG23			
<b>3-Flammable liquids</b>	FPL: RMK/DG30					

<b>4- Flammable solids; substances liable to spontaneous combustion; substances which, in contact with water, emit flammable gases</b>	4.1 Flammable solids	4.2 Substances liable to spontaneous combustion	4.3 Substances which, in contact with water, emit flammable gases	
	FPL:RMK/DG 41	FPL: RMK/DG42	FPL: RMK/DG43	
<b>5- Oxidizing substances; organic peroxides</b>	5.1 Oxidizing substances	5.2 Organic peroxides		
	FPL: RMK/DG51	FPL: RMK/DG52		
<b>6- Toxic and infectious substances</b>	6.1 Toxic substances	6.2 Infectious substances		
	FPL: RMK/DG61	FPL: RMK/DG62		
<b>7- Radioactive material</b>	FPL: RMK/DG70			
<b>8- Corrosive substances</b>	FPL: RMK/DG80			
<b>9- Miscellaneous dangerous substances and articles, including environmentally hazardous substances</b>	FPL: RMK/DG90			