DANGEROUS GOODS PANEL (DGP)

TWENTY-SIXTH MEETING

Montréal, 16 to 27 October 2017

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

DRAFT AMENDMENTS TO THE TECHNICAL INSTRUCTIONS AGREED AT DGP-WG/16 AND DGP-WG/17 — PART 8

(Presented by the Secretary)

SUMMARY

This working paper contains draft amendments to Part 8 of the Technical Instructions to reflect the decisions taken by the UN Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals at its eighth session (Geneva, 9 December 2016). It also reflects amendments agreed by DGP-WG/16 (Montréal, 16 to 27 October 2016) and DGP-WG/17 (Montréal, 24 to 28 April 2017).

The DGP is invited to agree to the draft amendments in this working paper.

Part 8

PROVISIONS CONCERNING PASSENGERS AND CREW

Chapter 1

PROVISIONS FOR DANGEROUS GOODS CARRIED BY PASSENGERS OR CREW

Parts of this Chapter are affected by State Variations US 15, VE 9, VE 10; see Table A-1

1.1 DANGEROUS GOODS CARRIED BY PASSENGERS OR CREW

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Table 8-1. Provisions for dangerous goods carried by passengers or crew

	Location			ЭС	Lst	
Items or articles	Checked baggage	Carry-on baggage	On the person	Approval of the operator(s) is required	The pilot-in- command must be informed	Restrictions
•••						
Consumer articles						
						opriately used in many paragraphs ard" (see ST/SG/AC.10/C.3/98):
13) Aerosols in Division 2.2, with no subsidiary-risk hazard, for sporting or home use	Yes	No	No	No	No	no more than 0.5 kg or 0.5 L total net quantit per single article;
sporting of nome use						b) release valves on aerosols must be protecte by a cap or other suitable means to prever inadvertent release of the contents; and
						c) no more than 2 kg or 2 L total net quantity of a articles mentioned in 3), 10) and 13) (e.g. for aerosol cans of 500 mL each) per person.
•••	I.	11	I.	1		
15) Small packet of safety matches	No	No	Yes	No	No	a) no more than one per person; and
15) Small packet of safety matches	No	No	Yes	No	No	a) no more than one per person; andb) intended for use by an individual.
15) Small packet of safety matches "Strike anywhere" matches	No No	No No	Yes No	No n/a	No n/a	,
						b) intended for use by an individual.
"Strike anywhere" matches	No	No	No	n/a	n/a	b) intended for use by an individual. Forbidden.
"Strike anywhere" matches	No	No	No	n/a	n/a	b) intended for use by an individual.Forbidden.a) no more than one per person;

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		Location			pe _	 ust	
	Items or articles P-WG/17 (see paragraph	Checked baggage	Carry-on paggage	On the person	Approval of the operator(s) is required	The pilot-in- command must be informed	Restrictions
<u>DG</u>	Battery-powered lighters (powered by a lithium ion or lithium metal battery) (e.g. laser plasma lighters, tesla coil lighters, flux lighters, arc lighters and double arc lighters) without a safety cap or means of protection against unintentional activation	<u>No</u>	No No	No	<u>n/a</u>	n/a	Forbidden.
	Battery-powered lighters (powered by a lithium ion or lithium metal battery) (e.g. laser plasma lighters, tesla coil lighters, flux lighters, are lighters and double are lighters) with a safety cap or means of protection against unintentional activation	<u>No</u>	<u>No</u>	<u>Yes</u>	<u>n/a</u>	<u>n/a</u>	a) carried by passengers or crew for personal use b) recharging of the devices and/or batteries board the aircraft is not permitted; c) each battery must be of a type which meets to requiremetris of each test in the UN Manual Tests and Criteria, Part III, subsection 38 and d) Each battery must not exceed the following: i) for lithium metal batteries, a lithing content of 2 grams, or ii) for lithium ion batteries, a Watt-hour ration of 100 Wh.]
	Premixing burner lighter (see the Glossary of Terms in Attachment 2) with a means of protection against unintentional activation	No	No	Yes	No	No	 a) no more than one per person; b) intended for use by an individual; and c) does not contain unabsorbed liquid fuel (ot than liquefied gas).
	Premixing burner lighter (see the Glossary of Terms in Attachment 2) without a means of protection against unintentional activation	No	No	No	n/a	n/a	Forbidden.
							ropriately used in many paragraphs ard" (see ST/SG/AC.10/C.3/98):
17)	Avalanche rescue backpack containing a cylinder of compressed gas of Division 2.2 without subsidiary-risk hazard	Yes	Yes	No	Yes	No	a) no more than one per person; b) may contain a pyrotechnic trigger mechani which must not contain more than 200 mg of Division 1.4S; c) the backpack must be packed in such manner that it cannot be accidentally activate and d) the airbags within the backpack must be fitted.

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	Items or articles	Checked baggage	Carry-on baggage	On the person	Approval of the operator(s) is required	The pilot-in- command must be informed	Restrictions
Should ead safety"	18) Small cartridges fitted into a self- inflating personal safegty device such as a life-jacket or vest	Yes	Yes	Yes	Yes	No	a) no more than one personal safety device per person; b) the personal safety device must be packed in such a manner that it cannot be accidentally activated; c) limited to carbon dioxide or another suitable gas in Division 2.2 without subsidiary—risk hazard; d) must be for inflation purposes; e) the device must be fitted with no more than two small cartridges; and f) no more than two spare cartridges.
	Small cartridges for other devices	Yes	Yes	Yes	Yes	No	a) no more than four small cartridges of carbon dioxide or other suitable gas in Division 2.2, without subsidiary-risk hazard, per person; and b) the water capacity of each cartridge must not exceed 50 mL. Note.— For carbon dioxide, a gas cartridge with a water capacity of 50 mL is equivalent to a 28 g cartridge.

DGP-WG/16 (see paragraph 3.5.3.1 of DGP/26-WP/2): 20) Portable electronic devices (such as watches, calculating machines, cameras, cellular phones, laptop computers, camcorders[, electronic baggage tags]) Portable electronic devices containing lithium metal or lithium Yes Yes Yes No No a) carried by passengers or crew for personal use; ion cells or batteries (articles containing lithium metal or lithium b) should be carried as carry-on baggage; ion cells or batteries the primary purpose of which is to provide power to another device must be DGP-WG/16 (see paragraph 3.5.3.1 of carried as spare batteries in accordance with the item below) DGP/26-WP/2): [except as provided for in paragraph g) below,] each battery must not exceed the following: for lithium metal batteries, a lithium content of 2 grams; or for lithium ion batteries, a Watt-hour rating of 100 Wh;

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Checked baggage Carry-on Person (s) is required be informed be informed a person (s) is required be informed be informed be informed as the command must be informed be informed the command must be informed be informed as the command must be informed be informed by the command must be a command must be informed by the command must be a command m			
DGP-WG/17 (see paragraph 3.5.1.1 of DGP/26-WP/3) (incorporated in the 2017-2018 Edition through Addend No. 2): d) if devices are carried in checked bagga — measures must be taken to unintentional activation and to prodamage; and — the device must be completely off front in sleep or hibernation mod DGP-WG/16 (see paragraph 3.5.3.1 of DGP/26-WP/2): [e] if devices are carried outside the bagge electronic baggage tags, the device my provide adequale patient for the fitted inside the device. If the fitted inside the device, if electronic baggage tags, which are not of generating a dengerous evolution of may be transported when intentionally. Active devices mate offered state electromagnetic radiation to ensure the operation of the affect of the device of the companion of the device in contact of the companion of the compani	geage prevent tect from switched dely; and geage, e.g. steery capable heat, active, dards for tithe ere with new such as nog leed mum of pletely, and mum of pletely,		

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Items or articles	Checked	Carry-on baggage	On the person	Approval of the operator(s) is required	The pilot-in- command must be informed	Restrictions
nems of articles						Resultions
DGP-WG/17 (see para	graph 3.5.3	.7 of D	GP/26-	WP/3):		
Spare batteries (including pobanks) for portable electronic devices containing lithium me or lithium ion cells or batterie	wer No	Yes	Yes	No	No	 a) carried by passengers or crew for personal use; b) must be individually protected so as to prevent short circuits (by placement in original retail packaging or by otherwise insulating terminals, e.g. by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch); c) each battery must not exceed the following: — for lithium metal batteries, a lithium content of 2 grams; or — for lithium ion batteries, a Watt-hour rating of 100 Wh; and d) batteries and cells must be of a type which meets the requirements of each test in the UN <i>Manual of Tests and Criteria</i>, Part III, subsection 38.3-; e) spare batteries including power banks must not be recharged while on board the aircraft; and f) power banks must not be electrically connected or providing power to an external device.
Portable electronic devices containing lithium ion batterie exceeding a Watt-hour rating 100 Wh but not exceeding 160 Wh	of	Yes	Yes	Yes	No	DGP-WG/17 (see paragraph 3.5.1.1 of DGP/26-WP/3) (incorporated in the 2017- 2018 Edition through Addendum No. 2): a) carried by passengers or crew for personal use; b) should be carried as carry-on baggage;-; c) if devices are carried in checked baggage: — measures must be taken to prevent unintentional activation and to protect the devices from damage; and — the devices must be completely switched off (not in sleep or hibernation mode); and ed) batteries and cells must be of a type which meets the requirements of each test in the UN Manual of Tests and Criteria, Part III, subsection 38.3.
Spare batteries for portable electronic devices containing lithium ion batteries exceedin Watt-hour rating of 100 Wh not exceeding 160 Wh	g a	Yes	Yes	Yes	No	a) carried by passengers or crew for personal use; b) no more than two individually protected spare batteries per person;

	Location			he	- rst		
Items or articles	Checked baggage	Carry-on baggage	On the person	Approval of the operator(s) is required	is required The pilot-in- command must	Restrictions	
						c) must be individually protected so as to prevent short circuits (by placement in original retail packaging or by otherwise insulating terminals, e.g. by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch); and d) batteries and cells must be of a type which meets the requirements of each test in the UN Manual of Tests and Criteria, Part III, subsection 38.3.	

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