



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
WORKING GROUP MEETING (DGP-WG/17)**

Montreal, 24 to 28 April 2017

Agenda Item 4: Development of recommendations for amendments to the *Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods* (Doc 9481) for incorporation in the 2019-2020 Edition

EMERGENCY RESPONSE GUIDANCE (DOC 9481) — DRILL NO. 9 ENTRIES

(Presented by S. Schwartz)

SUMMARY

This working paper proposes changes to the Drill No. 9 entry in the *Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods* (Doc 9481) to remove information that is no longer applicable.

Action by the DGP-WG: The DGP-WG is invited to consider adopting the changes to Drill No. 9 in Doc 9481 proposed in the appendices to this working paper.

INTRODUCTION

1.1 At the 2016 Dangerous Goods Working Group Meeting (DGP-WG/16, Montreal, 17 to 21 October 2016), it was agreed to establish an additional drill code number in the *Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods* (Doc 9481) for lithium ion and lithium metal batteries which better characterized their inherent risk (See Appendix B). Due to the amendment adopted, two references in Table 4-1 for Drill Code No. 9 no longer apply. These are references to the W and Z drill letters in the entry. In other words, in Tables 4-2 and 4-3, there are no combinations of the number 9 with the letters W or Z.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider whether deletion of references to drill letters W and Z in the Firefighting Procedure and Additional Considerations columns for Drill No. 9 in Table 4-1 is appropriate as shown in Appendix A to this paper.

APPENDIX A

PROPOSED AMENDMENT TO THE EMERGENCY RESPONSE GUIDANCE

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Section 4

CHART OF DRILLS AND
LIST OF DANGEROUS GOODS WITH
DRILL REFERENCE NUMBERS

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4.3 NUMERICAL LIST OF DANGEROUS GOODS WITH DRILL CODES

| Table 4-1. Aircraft Emergency Response Drills | | | | | | |
|---|--------------------------|----------------------------------|----------------------------------|---|---|--|
| 1. COMPLETE APPROPRIATE AIRCRAFT EMERGENCY PROCEDURES. 2. CONSIDER LANDING AS SOON AS PRACTICABLE. 3. USE DRILL FROM THE CHART BELOW. | | | | | | |
| DRILL NO. | INHERENT RISK | RISK TO AIRCRAFT | RISK TO OCCUPANTS | SPILL OR LEAK PROCEDURE | FIREFIGHTING PROCEDURE | ADDITIONAL CONSIDERATIONS |
| ... | | | | | | |
| 9 | No general inherent risk | As indicated by the drill letter | As indicated by the drill letter | Use 100% oxygen; establish and maintain maximum ventilation if "A" drill letter | All agents according to availability — use water if available on "Z" drill letter; no water on "W" drill letter | If "Z" drill letter, consider landing immediately; otherwise, none |
| ... | | | | | | |

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APPENDIX B

DGP-WG/16-WP/54 (FINAL REPORT) FOR REFERENCE

(<http://www.icao.int/safety/DangerousGoods/WG16/DGPWG.16.WP.054.en.pdf>):

APPENDIX B

CONSOLIDATION OF AMENDMENTS TO THE *EMERGENCY RESPONSE GUIDANCE FOR AIRCRAFT INCIDENTS INVOLVING DANGEROUS GOODS* AGREED AT DGP-WG/16

Section 4

CHART OF DRILLS AND
LIST OF DANGEROUS GOODS WITH
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...

4.3 NUMERICAL LIST OF DANGEROUS GOODS WITH DRILL CODES

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DGP-WG/16-WP/28 Revised and Addendum (see paragraph 3.5.3.6 of this report):

| Table 4-1. Aircraft Emergency Response Drills | | | | | | |
|---|--|--|---|--|---|---|
| ... | | | | | | |
| DRILL NO. | INHERENT RISK | RISK TO AIRCRAFT | RISK TO OCCUPANTS | SPILL OR LEAK PROCEDURE | FIREFIGHTING PROCEDURE | ADDITIONAL CONSIDERATIONS |
| 10 | Gas, flammable, high fire risk if any ignition source present | Fire and/or explosion | Smoke, fumes and heat, and as indicated by the drill letter | Use 100% oxygen; establish and maintain maximum ventilation; no smoking; minimum electrics | All agents according to availability | Possible abrupt loss of pressurization |
| 11 | Infectious substances may affect humans or animals if inhaled, ingested or absorbed through the mucous membrane or an open wound | Contamination with Infectious substances | Delayed infection to humans or animals | Do not touch. Minimum re-circulation and ventilation in affected area | All agents according to availability. No water on "Y" drill Letter | Call for a qualified person to meet the aircraft |
| 12 | <u>Fire, heat, smoke, toxic and flammable vapour</u> | <u>Fire and/or explosion</u> | <u>Smoke, fumes, heat</u> | <u>Use 100% oxygen; establish and maintain maximum ventilation</u> | <u>All agents according to availability. Use water if available</u> | <u>Possible abrupt loss of pressurization; consider landing immediately</u> |
| ... | | | | | | |

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Amend Tables 4-2 and 4-3 as indicated:

| <i>UN No.</i> | <i>Drill Code</i> | <i>Proper shipping name</i> |
|-------------------|----------------------------|---|
| 3090 | 9FZ <u>12FZ</u> | Lithium metal batteries |
| 3091 | 9FZ <u>12FZ</u> | Lithium metal batteries contained in equipment |
| 3091 | 9FZ <u>12FZ</u> | Lithium metal batteries packed with equipment |
| 3480 | 9F <u>12FZ</u> | Lithium ion batteries |
| 3481 | 9F <u>12FZ</u> | Lithium ion batteries contained in equipment |
| 3481 | 9F <u>12FZ</u> | Lithium ion batteries packed with equipment |

— END —