



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
MEETING OF THE WORKING GROUP OF THE WHOLE**

Montréal, 15 to 19 April 2013

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 2015-2016 Edition

2.1 : Part 1 — General

FUEL CELL DEFINITIONS

(Presented by Micheline Paquette)

SUMMARY

This working paper proposes to group all three fuel cell definitions in the same location.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Attachment 2, Glossary of Terms, provides an explanation of Fuel Cell Cartridge and refers to the definitions of “Fuel Cell” and “Fuel Cell Engine” in Part 1;3.1.

1.2 We believe that these three terms should be located in the same location for ease of use and understanding. We therefore propose that the definitions of “Fuel Cell” and “Fuel Cell Engine” in Part 1;3.1 be moved to Attachment 2, the Glossary of Terms.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider the following changes:

Part 1

GENERAL

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Chapter 3

GENERAL INFORMATION

Parts of this Chapter are affected by State Variation BE 1; see Table A-1

3.1 DEFINITIONS

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Freight forwarder. A person or organization who offers the service of arranging the transport of cargo by air.

Fuel cell. An electrochemical device that converts the chemical energy of a fuel to electrical energy, heat and reaction products.

Fuel cell engine. A device used to power equipment and which consists of a fuel cell and its fuel supply, whether integrated with or separate from the fuel cell, and includes all appurtenances necessary to fulfil its function.

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Attachment 2

GLOSSARY OF TERMS

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Glossary of terms

<i>Term and explanation</i>	<i>UN Number(s), when relevant</i>
...	...
FRACTURING DEVICES, EXPLOSIVE, for oil wells, without detonator. Articles consisting of a charge of detonating explosive contained in a casing without means of initiation. They are used to fracture the rock around a drill shaft to assist the flow of crude oil from the rock.	0099
FUEL CELL. See Part 1,3.1. <u>An electrochemical device that converts the chemical energy of a fuel to electrical energy, heat and reaction products.</u>	
FUEL CELL CARTRIDGE. An article that stores fuel for discharge into the fuel cell through a valve(s) that controls the discharge of fuel into the fuel cell.	3473, 3476, 3477, 3478, 3479
FUEL CELL ENGINE. See Part 1,3.1. <u>A device used to power equipment and which consists of a fuel cell and its fuel supply, whether integrated with or separate from the fuel cell, and includes all appurtenances necessary to fulfil its function.</u>	3166
FUSE/FUZE. Although these two words have a common origin (French <i>fusée, fusil</i>) and are sometimes considered to be different spellings of the same word, it is useful to maintain the convention that FUSE refers to a cord-like igniting device whereas FUZE refers to a device used in ammunition which incorporates mechanical, electrical, chemical or hydrostatic components to initiate a train by deflagration or detonation.	—
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