



**WORKING PAPER**

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

**Auckland, New Zealand, 4 to 8 May 2009**

**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 2011/2012 Edition**

**2.8: Part 8 — Provisions Concerning Passengers and Crew**

**FUEL CELL INDUSTRY UPDATE — INTERNATIONAL ELECTROTECHNICAL  
COMMITTEE (IEC) 62282-6-100 INTERNATIONAL STANDARD FOR MICRO FUEL CELLS**

(Presented by USFCC)

**SUMMARY**

This paper provides an update of work by the Fuel Cell Industry and the IEC to develop an International Standard for micro fuel cells.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 DGP/20 made conformance to IEC Publicly Available Specification (PAS) 62282-6-1 mandatory for fuel cell systems, cartridges and fuel cell battery interaction under the Provisions for Dangerous Goods Carried by Passengers or Crew, Part 8;1.1.2 r) of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284). DGP/21 subsequently made similar conformance mandatory for cargo transport on passenger aircraft of fuel cell cartridges and fuel cell systems when transported under packing instructions for fuel cell cartridges contained in equipment in Part 4 of the Technical Instructions.

1.2 Subsequent to the publication of IEC PAS 62282-6-1, the fuel cell industry has worked through the IEC to develop IEC International Standard 62282-6-100.

1.3 IEC 62282-6-100 has been approved by the responsible IEC National Committee members in accord with relevant International Standards Organization (ISO)/IEC Directives as a Committee Draft for Voting (CDV).

1.4 IEC 62282-6-100 will circulate within the next few months for approval by the responsible IEC National Committee members as a Final Draft International Standard (FDIS) and, if approved, will be published by the IEC Central Office as an International Standard.

1.5 In order to maintain continuity within the IEC standards for fuel cells, the IEC National Committee members have been requested that, following publication of IEC International Standard 62282-6-100, they allow national adoption of IEC International Standard 62282-6-100 not before 1 January, 2011.

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to monitor the progress of IEC 62282-6-100 as it moves forward through FDIS to publication of International Standard.

2.2 Upon publication of IEC International Standard 62282-6-100, the DGP-WG or DGP, as appropriate, will be asked to strike the citations to IEC PAS 62282-6-1 and replace them with IEC International Standard 62282-6-100 in the Technical Instructions for the Safe Transport of Dangerous Goods by Air at Part 8, 1.1.2 r) 4) and r) 8), Provisions for Dangerous Goods Carried by Passengers or Crew, and in Part 4, Packing Instructions 216, 375, 496 and 874, for fuel cell cartridges contained in equipment.

2.3 At the time that references to IEC PAS 62282-6-1 are changed to IEC International Standard 62282-6-100 as per 2.2, a suitable transition period will be sought to allow industry to conform in an orderly manner.

2.4 The DGP-WG is invited to discuss how they wish to review IEC International Standard 62282-6-100 when it is available in Final Draft (for balloting) and/or when published as the International Standard.

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