



## 危险品专家组 (DGP)

### 第二十四次会议

2013年10月28日至11月8日，蒙特利尔

议程项目5：在可能的范围内，解决空中航行委员会或专家组查明的非经常性的工作项目

#### 5.1：审查关于运输锂电池的规定

关于锂电池和电池芯的联合国《试验和标准手册》：版本号和修订号的澄清

(由 Q. Xu 提交)

#### 摘要

本工作文件建议，在包装说明 965 至 970 的所有各节的注 2 中对联合国《试验和标准手册》第五修订版的提及并不清楚，这可能导致对试验期间所能参考的版本 / 修订号有几种不同的解释。本工作文件旨在澄清可参照哪个版本的联合国《试验和标准手册》，使得 2014 年 1 月 1 日之后制造的锂电池或电池芯能继续予以运输。

**由危险品专家组采取的行动：**请危险品专家组澄清可参照哪个版本的联合国《试验和标准手册》，使得 2014 年 1 月 1 日之后制造的锂电池或电池芯能继续予以运输。如果决定是第五修订版的第一和第二次修订，请危险品专家组同时考虑将 2014 年 1 月 1 日的过渡期延长。

## 1. INTRODUCTION

1.1 The *UN Manual of Tests and Criteria* has been revised several times. Editions include the third revised edition, fourth revised edition, fifth revised edition, Amend. 1 and Amend. 2. The latest is the fifth revised edition, Amend 1 and Amend. 2.

1.2 The manual is referred to in all sections of Packing Instructions 965 to 970 of the 2013-2014 Edition of the Technical Instructions as follows:

*“Note 2.— Batteries and cells manufactured before 1 January 2014 conforming to a design type tested according to the requirements of the fifth revised edition of the UN Manual of Tests and Criteria, Part III, subsection 38.3 may continue to be transported.”*

1.3 This provision references only the fifth revised edition of the *UN Manual of Tests and criteria* and does not specifically reference other editions. Consequently, lithium batteries and cells manufactured before 1 January 2014 conforming to a design type tested according to the requirements of any edition of the *UN Manual of Tests and Criteria* could, in practice, be offered for transport.

1.4 It is also confused as there is no provision to clarify that according to the requirements of which edition of the UN Manual of Tests and Criteria that lithium batteries or cells manufactured after 1 January 2014 conforming to a design type tested may continue to be transported. So for the lithium batteries and cells manufactured after 1 January 2014, someone think their design types must be tested according to the fifth revised edition Amend. 1 and Amend. 2 before they can be offered for transport, but someone still think their design types tested according to fifth revised edition of the UN manual of Test and Criteria can continue to be transported.

1.5 New design types of lithium batteries and cells have been tested according to Part III, subsection 38.3 of the *UN Manual of Tests and Criteria*, the fifth revised edition, Amend. 1 and Amend. 2 since it was issued. But compared to all the lithium batteries and cells offered for transport, the number of these newly-designed types is still very small.

1.6 If the DGP confirms that the design type for lithium batteries and cells manufactured after 1 January 2014 must be tested according to the *UN Manual of Tests and Criteria*, fifth revised edition, Amend. 1 and Amend. 2 before they can be offered for transport, a large number of lithium battery and cell types which were tested according to the previous editions need to be retested. Therefore, a longer transition period should be considered.

1.7 It is suggested that the DGP address the issues raised in this working paper as soon as possible, recognizing that there are only a few months left before 1 January 2014.