



## 危险物品专家组 (DGP)

### 第二十八次会议

2021年11月15日至19日，虚拟会议

议程项目 2: 管理航空特有的安全风险和查明异常情况 (编号: REC A DGS 2023)

2.2: 如有必要, 拟定对《危险物品安全航空运输技术细则》(Doc 9284 号文件) 的修订提案, 以便纳入 2023 年—2024 年版

### 关于使用电子机长信息通知单的规定

(由 P. Guo 提交)

#### 摘要

本工作文件提出对技术细则第 7 部分 4.1.1 的修订, 以便利使用电子机长信息通知单 (NOTOC)。

**危险物品专家组的行动:** 请危险物品专家组审议技术细则第 7 部分第 4 章的修订, 如本工作文件附录所示增加下列内容:

- a) 在第 7 部分 4.1.1 a) 中规定以电子形式将有关作为货物运输的危险物品的信息通报机长;
- b) 在新的第 7 部分 4.1.8 中规定若以电子数据处理或电子数据交换传输技术提供机长信息通知单时的电子签名; 和
- c) 在新的第 7 部分 4.1.13 中规定要求运营人或其代理人必须能够以打印形式复制电子机长信息通知单。

## 1. INTRODUCTION

1.1 Paperless operations are widely carried out within the civil aviation industry. Many documents are exchanged electronically such as air waybills and shipper declarations for dangerous goods. However, the provisions for notification to captain (NOTOC) in Part 7;4.1.1 a) of the Technical Instructions still requires that the pilot-in-command be provided "... with accurate and legible written or printed information concerning dangerous goods that are to be carried as cargo."

1.2 Provisions for electronic NOTOCs were proposed at the twenty-seventh meeting of the Dangerous Goods Panel (DGP/27, 16 to 20 September 2019) (see paragraph 2.2.9 of the DGP/27 Report), but there were concerns that electronic data might not always be accessible by the flight crew in the event of an emergency and might not be in a format that could be provided to first responders. The panel agreed to wait until work of an external group that had been established to study the emergency response information needs of relevant stakeholders to determine what information was needed for each and how it could be provided was complete. The members of the external group were relevant stakeholders, including pilots, rescue and firefighting personnel and dangerous goods experts.

1.3 A message format for the NOTOC for electronic data processing (EDP) and electronic data interaction (EDI) exists, which covers all the information required by the Technical Instructions. Flight crews and ground handling operators are more willing to use electronic information transmission instead of face-to-face handover of paper documents during the COVID-19 pandemic, for health reasons.

1.4 Allowing electronic NOTOCs would not be an attempt to cancel paper NOTOCs, but only to provide airlines with one more way of information transmission. Airlines would be able to choose to use paper or electronic form according to the actual situation.

## 2. ACTION BY THE DGP

2.1 The DGP is invited to consider amending Part 7;4 of the Technical Instructions by adding:

- a) a provision for electronic information concerning dangerous goods that are to be carried as cargo to the pilot-in-command in Part 7;4.4.1 a);
- b) a provision for electronic signature(s) if the information to the pilot-in-command is provided by EDP or EDI transmission techniques in a new Part 7;4.1.8; and
- c) a requirement for the operator or his agent to be able to reproduce electronic information provided to the pilot-in-command in printed form in a new Part 7;4.1.13;

as show shown in the appendix to this working paper.

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## 附录

### 对《技术细则》第7部分的拟议修订

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#### 第4章

#### 通报情况

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##### 4.1 向机长通报的信息

4.1.1 运营人必须在拟装运危险物品的航空器起飞前，但在任何情况下不迟于航空器以自身动力移动时，尽早：

- a) 以准确且清楚的书写或打印或电子形式将有关作为货物运输的危险物品的信息通报机长；和

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4.1.7 机长必须在机长信息通知单上签字或以其他某种方式来表示已收到该信息。

4.1.8 如果通过电子数据处理或电子数据交换传输技术向机长通报信息，则可以接受电子签名。

4.1.89 必须在地面上保留一份清楚的机长信息通知单。在该信息通知单上或随附的文件上必须表明机长已经收到该信息。飞行运行官员、飞行签派员，或经指定的负责飞行运行的地面人员必须容易得到该机长信息通知单副本或其中所含内容，直至航班抵达之后为止。

4.1.910 除了运营人所属国要求的语言之外，向机长通报的信息还应使用英文。

4.1.1011 如果向机长通报的信息量过大而无法在飞行中的紧急情况下使用无线电话传送，运营人还应该提供信息摘要，内容至少包括每一货舱内危险物品的数量及类别或项别。

4.1.1112 表 7-9 所列的危险物品不需列在机长信息通知单中。

4.1.13 如果以电子方式或计算机系统保存向机长通报的信息，则运营人或其代理人必须能够以纸质文件加以复制。

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