

ADVISORY INFORMATION 08/2025

23rd July 2025



IMPLEMENTATION OF VIRTUAL DANGEROUS GOODS (DG) CARD

1 Introduction

- 1.1 This Advisory Information (AI) is issued to notify all relevant aviation stakeholders of the introduction and implementation of the Virtual Dangerous Goods (DG) Card and its compliance requirements.
- 1.2 As part of the Civil Aviation Authority of Malaysia (CAAM) ongoing digital transformation and efforts to modernise the verification of Dangerous Goods (DG) competency, CAAM is introducing the Virtual DG Card. This initiative underscores CAAM's commitment to enhancing safety oversight and operational efficiency through the adoption of emerging technologies.
- 1.3 The Virtual DG Card will replace the existing physical DG card currently used to certify personnel competency in handling Dangerous Goods for air transport. This card will digitally store verified competency information, enabling real-time access for authorities and airlines to ensure seamless compliance with Dangerous Goods regulations.
- 1.4 The implementation of the Virtual DG Card aligns with CAAM's aspiration to modernise aviation regulatory practices and supports the objectives in the CAAM Digitalisation Strategic Plan (DSP) 2024 – 2028, which guides the integration of advanced technologies aimed at building a safer, more efficient, and sustainable aviation ecosystem.

2 Implementation

- 2.1 The implementation of the Virtual DG Card will commence on the 1st August 2025, through a hybrid approach as an interim measure prior to full digital system integration. Key implementation features include:

- a) **Submission Method:**

Applicants must submit the Dangerous Goods Card application form via email to ops.dg@caam.gov.my, as outlined in the Civil Aviation Directive (CAD 18) – National Transport of Dangerous Goods Programme (NTDGP), Paragraph 8.8.

b) **Validation and Issuance:**

Once the Flight Operations Dangerous Goods Unit completes the verification process, the DG Card will be issued virtually and sent directly to the respective training centre's email address.

c) **Transition from Physical Cards:**

With the implementation, the issuance of **physical DG cards will be discontinued**. All future DG competency cards will be issued **virtually**, to improve operational efficiency, reduce costs, and support field-level access via mobile devices.

d) **Planned Digitalisation via AMS:**

A fully integrated digital application and issuance process will be implemented in the future through CAAM Audit Management System (AMS) – Enhanced Compliance Oversight. This system will serve as a centralised platform for DG card issuance, permit renewal, and competency verification.

3 Virtual DG Card Design and Security

3.1 The Virtual DG Card retains the essential information of the existing physical card and will include the following elements:

- a) Name of the cardholder;
- b) Identification number;
- c) DG training level and course details;
- d) Competency verification status endorsed by CAAM;
- e) A QR code linked to CAAM's secure validation database.

3.2 The virtual DG card is to be presented digitally during regulatory inspections or audits. Only authorised personnel, including CAAM inspectors and approved operators, will be able to access the card verification system.

4 Advantages of the Virtual DG Card

4.1 The introduction of the Virtual DG Card offers the following benefits:

- a) Faster issuance and real-time verification;
- b) Improved data accuracy and fraud prevention through secure QR validation
- c) Simplified access during inspections, audits, or airside operations.
- d) Support CAAM's digital transformation and safety oversight efficiency.

5 Key References

5.1 This initiative is implemented and guided by the following documents:

- a) Civil Aviation Directive (CAD 18) – National Transport of Dangerous Goods Programme (NTDGP).
- b) Civil Aviation Guidance Material (CAGM 1881) – Competency-Based Training and Assessment for Dangerous Goods (CBTA-DG).



DATO' CAPTAIN NORAZMAN BIN MAHMUD
Chief Executive Officer
for Civil Aviation Authority of Malaysia
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