



**Agenda Item 4: AVSEC**  
**4.2 Regional AVSEC Activities**

**DANGEROUS GOODS SECURITY**

(Presented by the United States of America)

**SUMMARY**

This paper provides a summary of the regulatory requirements for Dangerous Goods Security and the requirements specific to the United States.

**REFERENCES**

ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air 2005-2006 Edition

**1. Introduction**

1.1 Dangerous Goods are articles or substances that are capable of posing a risk to health, safety, property, or the environment. The ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI) prescribe in detail requirements applicable to the international civil transport of dangerous goods by air. ICAO Standards and Recommended Practices related to the transport of dangerous goods are contained in Annex 18. Dangerous goods are essential to the economy of many countries and are used in manufacturing processes, oil drilling, construction, and many fuels. The well being of people around the world depends on the availability of dangerous goods for medicines and medical treatments, water and air purification, refrigeration systems, and even in personal care products. However, in the wrong hands dangerous goods pose a significant security threat. The dangerous goods security requirements in the ICAO TIs and other national regulations aim to minimize the theft or misuse of dangerous goods that may endanger persons or property while permitting continued transportation of these essential products.

**2. Discussion**

2.1 The United Nations Committee of Experts on the Transport of Dangerous Goods and the Globally Harmonized System of Labeling and Classification of Chemicals (UN COE) adopted security measures, which address the potential misuse of dangerous goods by terrorists, in the 13<sup>th</sup> revised edition of the UN Model Regulations for the Transportation of Dangerous Goods. These dangerous goods security measures have subsequently been adopted in national regulations for all modes, including ICAO TIs for international air transport and IMDG for international maritime transport. The U.S. Hazardous Material Regulations (HMR), 49 CFR, incorporated mandatory dangerous goods security requirements in 2003.

2.2 Dangerous goods security requirements were incorporated into Annex 18 through the detailed technical material in the ICAO TI in the 2005-2006 Edition. Part 1, Chapter 5 of the ICAO TIs addresses the security responsibilities of air operators, shippers and others involved in the transport of dangerous goods while Annex 17 provides comprehensive requirements for safeguarding international civil aviation against acts of unlawful interference. In addition, the *Security Manual for Safeguarding Civil Aviation against Unlawful Interference (Doc 8973-Restricted)* provides procedures and guidance on certain aspects of aviation security and is intended to assist States in the implementation of their respective national civil aviation security programs. It is intended that the requirements in Annex 18 supplement the requirements of Annex 17.

2.3 People engaged in the transport of dangerous goods should consider the following material included in the ICAO TIs:

- General Security Provisions
- Security Training
- Security Plans

2.4 We note that security plans developed in conformance with regulations issued by another government agency may suffice to meet the requirements of the ICAO TI.

### 3. **Conclusion**

3.1 The Annex 18 requirements are recommended, not mandatory. The United States has filed a variation, US 17, requiring shippers and operators to comply with the security requirements as prescribed in 49 CFR Part 172, Subpart I, as applicable. This mandates compliance with the security requirements issued by the United States when shipments are offered for air transport to, from, or within the United States. The U.S. Department of Transportation (DOT) has developed a website containing compliance information, a dangerous goods security awareness training program complete with instructor guidance, and a risk analysis program to help determine whether a security plan is needed. The training program can be downloaded directly from the website or contact information is provided to request the program in alternate formats. This information can be found at the following web address: <http://hazmat.dot.gov/riskmgmt/rmsef/rmsef.htm>. Instructions on how to use the U.S. Hazardous Material Regulations (HMR), is available in Spanish on the same website. This resource contains multiple links to information that is essential for air transport of dangerous goods to, from, or within the United States.