

# NOTICE OF PROPOSED RULE MAKING DGTA 03-09

## AAP7001.054 SECTION 2 CHAPTER 24

### FLIGHT AND MISSION PLANNING SYSTEMS

#### INTRODUCTION

##### **Applicability**

1. This proposal is applicable to all aerospace Project Offices (POs), System Program Offices (SPOs) and Authorised Engineering Organisations (AEOs) involved in the design, development, acquisition and management of Flight and Mission Planning Systems, herein referred to as MPS.

##### **Purpose**

2. The purpose of this NPRM is to advise and seek feedback from stakeholders on the proposal to issue a new chapter for AAP7001.054 *Airworthiness Design Requirements Manual* containing guidance for the technical approval, service release and management of MPS.

##### **Consultation**

3. The aim of this NPRM is to promulgate background and details of the proposed changes. Advice on how petitions on this proposal are to be presented to the TAR is also provided.

#### PROPOSAL

##### **Background**

4. The advancement of performance based navigation, and the aircraft equipment that supports these types of navigation, are resulting in MPS being used in more challenging and potentially hazardous ways (e.g. aeronautical data supporting required navigation performance). Aircraft equipment approvals underpinning the navigation performance of an aircraft require that valid navigation data, processed using appropriately assured software tools, is sourced from accredited suppliers. Therefore, any MPS applications transferring, translating, manipulating or generating aeronautical information in this context should be designed and assured commensurate with the integrity requirements for the data they process. Given these advancements and the proliferation of aircraft systems using digital aeronautical data, DGTA has recognised that more explicit guidance is required for the technical approval, service release and management of MPS for ADF aircraft.

### **Benefits of the proposed MPS chapter**

5. This NPRM proposes the addition of a new chapter (Section 2 Chapter 24) on MPS to be included in AAP7001.054 *Airworthiness Design Requirements Manual*. The new chapter provides guidance on the ADF approach to accepting MPS, design requirements for MPS, operational considerations to complement technical activities and mitigate design shortfalls, and advice for managing deficiencies against MPS system design requirements.
6. The benefits of the proposed chapter are to:
  - a. provide greater consistency in technical approval and management of MPS across different POs, SPOs, AEOs; and
  - b. bring the ADF process and practices into better alignment with international standards and guidance provided by other recognised airworthiness authorities.

### **Proposed new MPS chapter**

7. The proposed MPS chapter is included at Enclosure 1.

## **HOW TO SUBMIT COMMENTS ON THIS NPRM**

### **Format**

8. Responses to the NPRM are to be submitted electronically using the NPRM Comments Sheet (Annex A), or as published on the DGTA Intranet and Internet websites. Responses can be e-mailed to [DG TANPRM@defence.gov.au](mailto:DG TANPRM@defence.gov.au).

### **Timing**

9. Comments to NPRM DGTA 03-09 are to be received by close of business 20 Feb 10.

### **Resource implications**

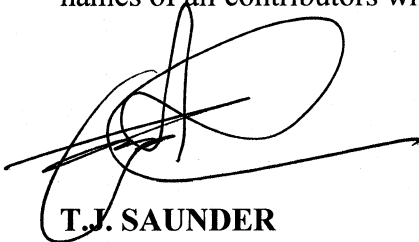
10. Stakeholders are requested to include within their responses, an assessment or comment on the anticipated resource implications posed by the proposed guidance.

### **Additional information**

11. Additional information concerning this NPRM is available from FLTLT Kristian Cruickshank (03) 92563562.

**DISPOSITION OF COMMENTS RECEIVED**

12. A Summary of Responses will be prepared and published on <http://intranet.defence.gov.au/dgta/> and <http://www.defence.gov.au/dgta/NPRM.htm>. DGTA-ADF will not individually acknowledge or respond to comments or submissions, however the names of all contributors will be acknowledged in the summary of responses.



**T.J. SAUNDER**

Group Captain

Director Aviation Engineering

Directorate General Technical Airworthiness – ADF

Tel: (03) 9256 3358

23 Dec 2009

**Annex:**

A. NPRM DGTA 03-09 - Comment Sheet

**Enclosure:**

1. Proposed AAP7001.054 Section 2 Chapter 24 Flight and Mission Planning Systems

**NPRM DGTA 03-09 Comment Sheet**

AAP7001.054

**FLIGHT AND MISSION PLANNING SYSTEMS**

Please return this response sheet by 20 Feb 10, via email attachment to DGTANPRM@defence.gov.au.

Please indicate your acceptance or otherwise of the proposal by ticking the appropriate box below.

Any additional constructive comments, suggested amendments or alternative action will be welcome and may be provided on this response sheet or by separate correspondence.

- The proposal is acceptable without change.
- The proposal is acceptable but would be improved if the following changes were made:  
(Please provide explanatory comment).
- The proposal is not acceptable but would be acceptable if the following changes were made:  
(Please provide explanatory comment).
- The proposal is not acceptable under any circumstances. (Please provide explanatory comment).

**Explanatory Comments:**

**Assessment/Comment on Resource Implications:**

**Respondent Details**

Your name: \_\_\_\_\_

Position and Organisation: \_\_\_\_\_

Address: \_\_\_\_\_

Tel or Email: \_\_\_\_\_

Do you consent to your name as a respondent to this NPRM: YES  NO

Signed: .....

Date: .....