

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

WORKING GROUP 3 MEETING

Munich, 24-28 June 1996

Agenda Item 6:

DRAFT AUTOMATIC DEPENDENT SURVEILLANCE APPLICATION SARPS

(Presented by M J A Asbury)

SUMMARY

This paper briefly outlines the significant changes in the ADS SARPS since WG 3/6. It recommends that the attached SARPS be baselined as Version 3.0

1. INTRODUCTION

1.1 Version 2.3 (Proposed Version 3.0) of the Automatic Dependent Surveillance (ADS) Application SARPs incorporates changes made at WG 3/6 and the subsequent Subgroup 2 meetings at Toulouse and Vancouver.

2. SIGNIFICANT CHANGES

Generic

2.1 As a result of discussion at WG 3/6, the document had been restructured so as to show the air/ground and ground/ground ASEs as separate sections. This has resulted in a Volume 2 Part 2, Section 1, (numbered 2.2.1) 'ADS Air-Ground Communications', and a Section 2 (2.2.2) 'ADS Report Forwarding'. (The name 'ADS Report Forwarding' (ADS-RF) has been adopted for the ground function.) Although the appearance of the document has been changed, there has been no change in functionality resulting from this action.

2.2 Changes listed in the Configuration Control pages are referenced to chapter numbers, and, if applicable to both Sections, will be listed together.

Specific

2.3 Significant material has been removed from Chapter 1 into the new Part 1, and the remainder of the chapter has become a series of Notes.

2.4 Changes and clarification have taken place in Chapters 3 and 5, particularly concerning timers, abort handling and the cancelling of contracts.

2.5 Changes in terminology have been made to conform with both ADSP wording and other air/ground Applications SARPs.

2.6 The specific instructions passed to SG 2 at WG 3/6 have meant that subsets have had to be developed for this application. A new Chapter 8 has been prepared for both Sections, outlining all the conformant configurations for both air and ground. There are 7 possible configurations for the Ground user operating in the Air/ground environment, but only one for the Air User - this reflects the need for aircraft to retain global interoperability. There are an additional two conformant configurations for ground stations operating in the ADS-RF mode.

3. RECOMMENDATION

3.1 It is recommended that WG 3 adopts the attached ADS SARPs as baselined Version 3.0, for dissemination via the CENA server.