



WORKING PAPER

FIFTH MEETING OF THE ALLPIRG/ADVISORY GROUP

(Montreal, 23 – 24 March 2006)

Agenda Item 3.2: Use of the ECCAIRS by Contracting States to submit their ADREP reports to ICAO

**USE OF THE EUROPEAN CO-ORDINATION CENTRE FOR AVIATION
INCIDENT REPORTING SYSTEMS (ECCAIRS) BY CONTRACTING STATES
FOR SUBMISSION OF THEIR ADREP REPORTS TO ICAO**

(Presented by the Secretariat)

SUMMARY

This working paper presents information on the ECCAIRS system, which was developed to facilitate the exchange of data between States and between States and ICAO.

Action by ALLPIRG/5 is in paragraph 4.

1. INTRODUCTION

1.1 In 1976, ICAO established the Accident/Incident Data Reporting (ADREP) system to collect information on accidents and incidents. From that time, the system has evolved to meet changes in information technology and the aviation industry.

1.2 In 2004, ICAO adopted the ECCAIRS software developed by the Joint Research Center of the European Union in Ispra, Italy, as its tool to operate the ADREP system. The ECCAIRS system was developed in close cooperation with ICAO with the aim of implementing taxonomies developed in ICAO to facilitate the exchange of occurrence data between States and between States and ICAO.

2. BENEFITS OF THE USE OF THE ECCAIRS SOFTWARE

2.1 As of January 2006, some 30 States in Africa, South America, Asia and Europe have installed the ECCAIRS software and have reported occurrence in the ECCAIRS format to ICAO. This has permitted ICAO to have more complete and up-to-date data set. States have also benefited as they are no longer forced to manually complete the ICAO ADREP reporting forms. In addition, closer cooperation through electronic communications with data providers has improved the classification of occurrences.

2.2 In addition to the collection, storage and exchange of occurrence data, ECCAIRS also provides users with the capability to exchange analysis tools. As a result, States establishing occurrence reporting systems in accordance with Standard 8.1 of Annex 13 can benefit from analysis tools developed elsewhere.

2.3 For those States that wish to exchange information on occurrences via the internet, ECCAIRS has developed a web-based data dissemination tool. Tools to collect data via the internet are being considered as a future enhancement.

2.4 Other ECCAIRS developments include capturing data for specific types of aviation occurrences, such as bird strikes and runway incursions.

2.5 The ECCAIRS software is available free-of-charge to States. The system can be adapted to the size and needs of States, running on a laptop computer for those with few occurrences or running on servers with numerous users distributed throughout a State. The system is relatively easy to install and maintain. Updates are distributed via the Internet. There is a website where system problems can be reported and proposals for enhancements made.

2.6 The system can be translated into various languages. At present, English and French versions are available and a German Language version is under development.

2.7 The initial deployment of ECCAIRS in States has been a success, assisting in standardizing occurrence reporting worldwide and facilitating the exchange of aviation safety data through the common use of analysis tools. Accordingly, States are encouraged to make use of the ECCAIRS software for national occurrence reporting systems.

3. IMPLEMENTATION OF ECCAIRS

3.1 The exchange of safety data is equally of Global and Regional importance since it is a primary mechanism, through which progress in aviation safety is measured. It would therefore be beneficial to States if the implementation of ECCAIRS, or other applications that are compatible with ADREP, is coordinated within the existing framework of the PIRGs.

4. ACTION BY ALLPIRG

4.1 ALLPIRG is invited to:

- a) actively encourage the use of ECCAIRS;
- b) plan and monitor the level of ADREP/ECCAIRS implementation; and
- c) encourage States to share safety data.