

---

**SOUTH AMERICAN AIG REGIONAL COOPERATION MECHANISM (ARCM)**

**FOURTH AIG AUTHORITIES MEETING**

(Brasilia, Brazil, 23 to 25 May 2017)

**Item 12 Other matters**

**TRANSFER OF THE SAFETY DATA COLLECTION AND PROCESSING SYSTEM (SDCPS)  
TO THE SAM REGIONAL OFFICE**

(Presented by the Secretariat)

**Summary**

This working paper submits to the consideration and approval of the Fourth South American AIG Authorities Meeting (AIG-SAM/4) the transfer of the SDCPS to the SAM Regional Office.

- Report of the Third South American AIG Authorities Meeting (AIG-SAM/3), Lima, Peru, 7-9 June 2015
- ARCM AIG Regulation
- Annex 13 – Aircraft accident and incident investigation
- Annex 19 – Safety management
- Doc 9946 – Manual on regional accident and incident investigation organization (RAIO).
- State AIG regulations
- Multinational technical cooperation agreement among aircraft accident and incident investigation authorities of member States of the South American AIG Regional Cooperation Mechanism (ARCM).

**1. Introduction**

1.1 At the Third AIG Authorities Meeting (AIG/SAM-3), the AIG Regional Cooperation Mechanism (ARCM) adopted the procedures for the implementation of the safety data collection and processing system (SDCPS) presented at that meeting.

1.2 Regarding the experience and acquaintance of some SAM States with the European Coordination Centre for Accident and Incident Reporting Systems (ECCAIRS), which is aligned with the requirements of Annex 13, this system was established by the ARCM for the maintenance of an SDCPS database of aircraft accidents and incidents in the SAM Region.

1.3 Accordingly, the ECCAIRS-based ARCM SDCPS seeks to centralise aircraft accident and incident data of ARCM States for data management and analysis, so as to establish effective indicators for the identification of hazards and related consequences, and to define the preventive measures required to prevent recurrence of accidents.

1.4 Pursuant to the recommendation of AIG/SAM-3, SDCPS data will be used by the ARCM only for the conduction of safety studies that show the behaviour of safety indicators of air operations in the SAM Region.

1.5 Furthermore, the ARCM SDCPS will be hosted in a technological environment that offers secure conditions with access restricted only to authorised individuals. It should be noted that the handling and distribution of data without the consent of the owning State is forbidden.

## **2. Current status**

2.1 The SDCPS is temporarily hosted by the Civil Aviation Accident Investigation Board (*Junta de Investigación de Accidentes de Aviación Civil - JIAAC*) of Argentina in a suitable technological infrastructure, and is managed by the ARCM Technical Committee.

2.2 However, taking into account data sensitivity and the fact that it is a neutral setting for ARCM member States, the ICAO South American Regional Office was chosen to host the SDCPS on a permanent basis, since it has the technological capabilities that this environment requires.

2.3 In 2016, the ARCM Technical Committee invited member States to attend training workshops on ECCAIRS and SDCPS reporting procedures, so as to allow accident investigators acquire the necessary competencies.

2.4 Also in 2016, the Technical Committee coordinated and assisted in the installation and implementation of ECCAIRS in member States.

2.5 As a result of this process, the States have so far reported 3,441 aircraft accident and incident occurrences to the ARCM SDCPS.

2.6 The current version of the ECCAIRS is 5.4.1.7 and the taxonomy version is 3.4.0.2.

2.7 As previously stated, the SDCPS uses ECCAIRS as its technological platform, using a tool called “Repository Administrator” for managing data, data security, and users. At present, this repository has a general repository and 13 sub-repositories, one for each ARCM State, with 20 users in total, which correspond to the AIG organisations. For further details, see **Appendix A** to this working paper.

## **3. Expected results**

3.1 The ICAO South American Regional Office will coordinate with the Civil Aviation Accident Investigation Board (*Junta de Investigación de Accidentes de Aviación Civil - JIAAC*) of Argentina for the transfer of the SDCPS to the ICAO infrastructure.

3.2 This transfer must reflect the current status of the SDCPS in terms of contents and management tools. Consequently, the repository must be exported and imported to ensure an exact reproduction.

3.3 If necessary, a letter will be sent to ARCM States notifying them of the new link for accessing the ARCM.

3.4 Also, if necessary, the Technical Committee will update the occurrence reporting procedures.

3.5 **Appendix A** to this working paper describes the activities to be carried out.

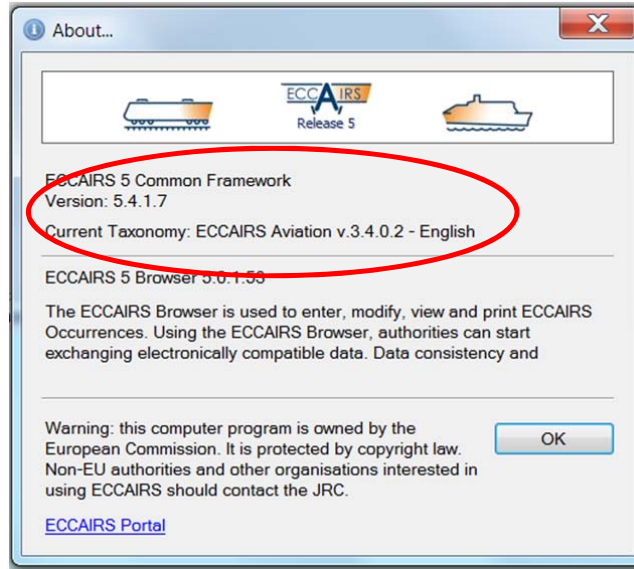
## **4. Suggested action**

4.1 The Meeting is invited to:

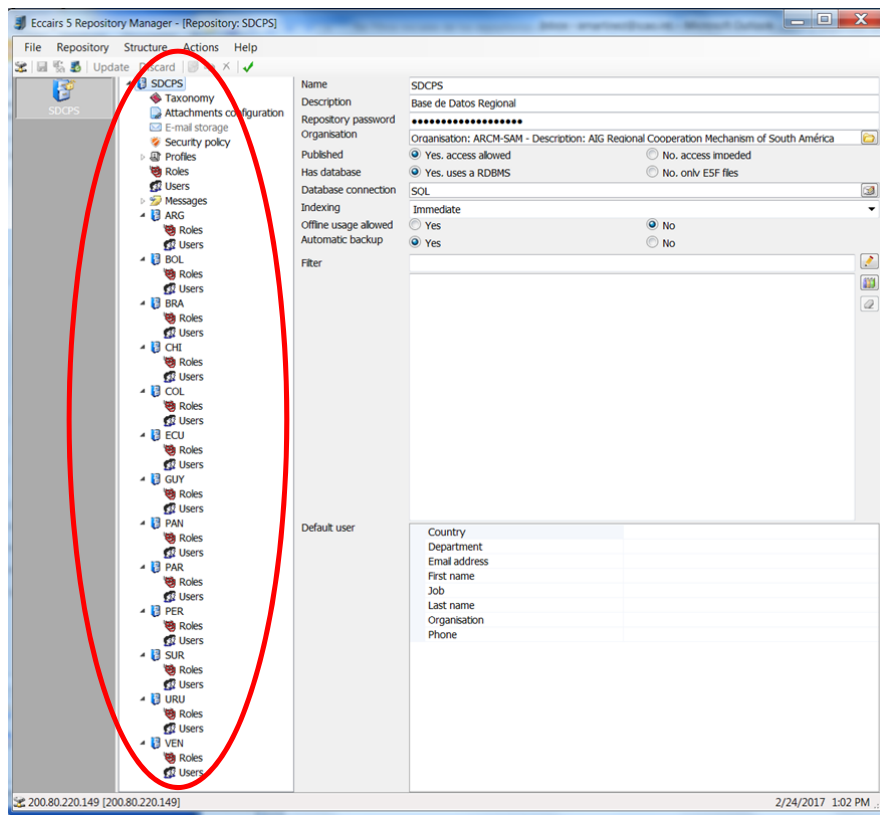
- a) agree on the results expected from the transfer of the SDCPS to the technological infrastructure of ICAO, in accordance with **Appendix A**; and
- b) urge States to report occurrences to the ARCM and contact the Technical Committee for any assistance they may require on this matter.

### APPENDIX A

- 1. Current management of the ECCAIRS-based SDCPS
  - 1.1 The image below shows the ECCAIRS and taxonomy version.



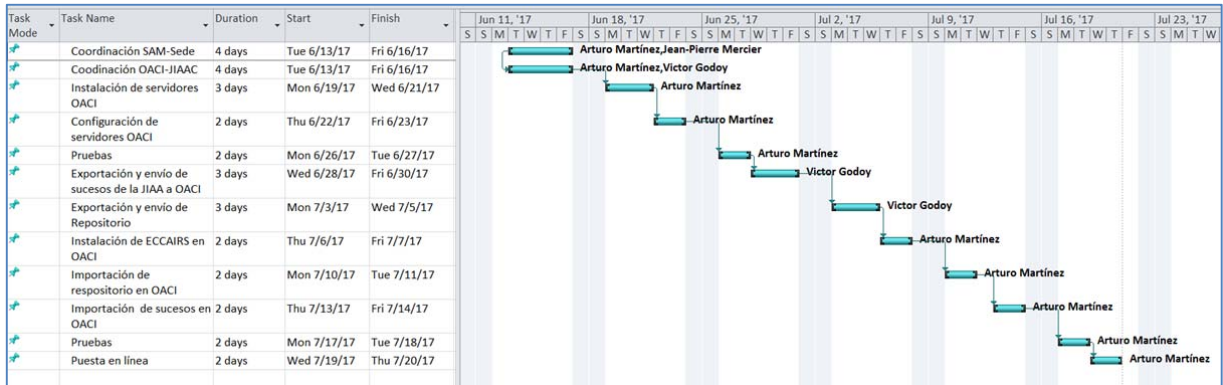
- 2.2. The following image shows the general repository and 13 sub-repositories, one for each State.



3.3 The following list corresponds to the users of each State that belong to the respective AIG organisations.

ARCM State	User
<b>Argentina</b>	VGODOY
<b>Bolivia</b>	ESAAVEDRA RPRADO
<b>Brazil</b>	CALMEIDA DANILODS
<b>Chile</b>	WSANMARTIN
<b>Colombia</b>	JECHEVERRY
<b>Ecuador</b>	JSALAZAR
<b>Guyana</b>	PMCADAM WKHALIL
<b>Panama</b>	EPEREZ CPRIVERA VBARRIOS
<b>Paraguay</b>	EVERRUCK
<b>Peru</b>	PAVILA CCAHUAS
<b>Suriname</b>	
<b>Uruguay</b>	RVILLAGRA
<b>Venezuela</b>	ALIMA USER1

3.4 GANTT chart of activities for the implementation of IP/04 from 13 June to 20 July 2017.



-----