

MACCARES BULLETIN

Issue 1, March 2014

Safety is a top priority for all participants in aviation operations. Relevant and timely safety information is necessary to make the constructive changes necessary to improve aviation safety. Some of this safety information is obtained from accident investigations and mandatory occurrence reporting system. However, experience shows that aviation incidents often involve similar events to accidents. These events may not be captured by the existing mandatory occurrence reporting system. Thus the MACCARES is established to capture these information.

The Macao Confidential Aviation Reporting System (MACCARES), governed by Law no. 2/2013 and Aeronautical Circular AC/GEN/009, has been officially launched since 21 May 2013. The MACCARES is administrated by the Accident Prevention and Investigation Group (APIG). In year 2013, three MACCARES reports have been received. These reports have been de-identified and abstracted here:

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→ ***Two reports related to pilot fatigue due to crew rostering and flight schedule.***

→ ***One report related to pilot's physiological needs during landing.***

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APIG suggests...

Employers:

- Consider the value of pilot reports related to fatigue.
- Ensure that work schedules, including consecutive shift-working patterns, are constructed so as to have the least possible impact on off duty - and, if applicable, on duty rest.
- Use Crew Resource Management or Team Resource Management training to promote awareness to fatigue and sleep issues.
- Ensure compliance with the regulations in relation to flight crew members at duty stations.

Pilots:

Adopt personal strategies which are likely to reduce the effects of fatigue such as the following:

- Planning activities, meals, rest and sleep patterns during off-duty periods.
- Advising colleagues if one detects feeling drowsy.
- Alerting colleagues if they appear to be becoming drowsy.
- Follow the regulations in relation to flight crew members at duty stations.