The FRMS Provisions: Structure and Content

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ICAO Documentation

Airplane icon Annex Provisions
- Standards (shall)
- Recommended Practices (should)
- Appendices (Standard = shall)
- Attachments (guidance)

Airplane icon Guidance Material
- Manuals
- Circulars
Provisions – who needs them?

- ICAO provides provisions (SARPs and guidance material) to the States;
- The States establish regulations in accordance with the SARPs;
- Operators develop policies to comply with their State’s regulations.
What do the FRMS provisions include?

† Annex 6 Part 1 – flight and cabin crew
  • Standards and Recommended Practices (SARPs)
  • Appendix 8

† Guidance Material
  • Operators
  • Regulators
Fatigue Management SARPs

The State:

Must have regulations for managing fatigue based on scientific principles

- Mandatory Prescriptive Regulations
- Optional FRMS Regulations
Fatigue Management SARPs

The Operator:
Where FRMS regulations are offered, can choose how to manage their fatigue risks

- Complying with prescriptive regulations; or
- An FRMS for all operations; or
- An FRMS for some operations and prescriptive regulations for the remainder of the operations.
Fatigue Management SARPs

- Variations to FTLs on the basis of a risk assessment.
- Maintain records of flight and duty periods.
- FRMS processes must be functioning before approval can be given by State.
- Outer parameters to be identified.
- Recommendation: Integration with SMS.
Appendix 8

Details the minimum requirements for an FRMS

Highlights consistent FRMS and SMS frameworks

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ICAO’s FRMS Symposium, 30 – 31 August, 2011.
FRMS Guidance Material

FRMS Implementation Guide for Operators
FRMS Manual for Regulators

- Provide detailed guidance to support new FRMS SARPs.
- Are based on the work of ICAO’s FRMS Task Force.
- Apply current scientific knowledge and tools plus industry best practice.
- Are aligned.
- Are freely available on the web.

ICAO’s FRMS Symposium, 30 – 31 August, 2011.
FRMS Implementation Guide for Operators

- Summarises the supporting science.
- Explains the minimum requirements in the Appendix.
- Describes how to implement an FRMS.
- Provides operational examples of various means of compliance.
- Developed as a tripartite.

ICAO's FRMS Symposium, 30 – 31 August, 2011.
FRMS Manual for Regulators

- Explains the intent of the SARPs.
- Provides scientific background.
- Explains the minimum requirements in Appendix 8.
- Discusses the approval process and oversight of FRMS.
- Unedited version.
- To be translated.

ICAO’s FRMS Symposium, 30 – 31 August, 2011.
SAFETY NEWS

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SAFETY MEETINGS AND EVENTS

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<tr>
<td>Fatigue Risk Management Systems (FRMS) Symposium and Forum</td>
<td>30 August – 2 September 2011</td>
<td>ICAO, Montréal, Canada</td>
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<td>Global Air Navigation Industry Symposium Preparation for the Twelfth Air Navigation Conference</td>
<td>20 – 23 September 2011</td>
<td>ICAO, Montréal, Canada</td>
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<tr>
<td>ICAO Symposium on Regional Safety Oversight Organizations (RSOOs)</td>
<td>26 – 28 October 2011</td>
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POLICY AND STANDARDIZATION

GLOBAL PLANS AND PROGRAMMES

- Runway Safety
- Fatigue Management
Welcome to the ICAO Fatigue Management Site

ICAO is working to provide States and operators with provisions that will help them to better manage fatigue-related risks. We'll be continuing to develop this site and build up our bank of tools and information for your use.

On this site, you will find:

- Information on related ICAO events, including the FRMS Symposium (30-31 August, 2011)
- Provisions for prescriptive and performance-based methods of managing fatigue
- Practical guidance on the oversight and implementation of Fatigue Risk Management Systems
- FRMS tools for use by operators and regulators
- Information on FRMS Workshops to be conducted by ICAO, IATA and IFALPA

In the future, we intend to include:

- Examples of Best Practices related to managing fatigue-related risks from around the globe
- Links to useful fatigue management sites
- Computer-based training on FRMS oversight

For more information, please contact FatigueManagement@icao.int
FRMS Manuals

These Manuals were developed to support the SARPs pertaining to FRMS in Annex 6, Part I, which relates to specifically flight and cabin crew.

However, other safety-critical personnel, such as air traffic controllers and maintenance engineers, can also benefit from taking an FRMS approach to managing their fatigue-related risks. The general principles of an FRMS approach, as discussed in these manuals, are broadly applicable across the aviation industry.

To download a specific document, locate the "Download" column and click on the "Click here" hyperlink.

**FRMS Manuals**

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<tr>
<td><img src="image" alt="FRMS Manual for Regulators" /></td>
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