

# WFP Aviation Response to Disaster in Terms of Safety and How to Select Air Operators



## WFP AVIATION SAFETY

Sao Paolo, Brazil | 11 December, 2024

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### Agenda:

1. Introduction
2. WFP organization, roles
3. Regulatory Framework:
4. Registration Process
  1. Phase I review
  2. Phase II review
  3. Phase III Physical Evaluation
  4. Registration Common errors...
5. Q&A



## WFP Aviation Response to Disaster in Terms of Safety and how to select Air Operators



## WFP AVIATION FIELD CHALLENGES

Wet  
Muddy  
Airstrips



Civil Wars  
(AVSEC)



Runway Incursions



Low Fuel  
Quality  
Standards



## WFP AVIATION FIELD CHALLENGES (Cont.)

Airstrips with High Temperature and Sand Abrasive Conditions



Crowd Control Issues



Flooded  
Areas/Conditions



Inadequate Aeronautical Decision Making (ADM)



## PREPAREDNESS OF THE AOC HOLDER FOR FIELD OPERATION – PFO FORM FOR THE OPERATOR

| System<br>Sub-System  | Subarea items                                                                                                                                                           | Specific Field Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Reference to Existing Company Procedures and Defences to control safety risks                                                                   | Additional Risk Mitigation Actions for RFO / Evidence to be attached (Yes / No)                                                                          |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Records and Documents | CAA acceptance and surveillance for the area of operation. (State of Registry and States of Operation)                                                                  | Sample: Notification process to CAA for approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | For example: Approval Letter from CAA and/or process for obtain CAA acceptance.                                                                 | Example: YES, Attachment 1                                                                                                                               |
|                       | Flight operations documents and control                                                                                                                                 | 1. Company Documentation including, Control of Documents and updates with the last revisions and established process for the content of and maintaining the operations documents at the field station.<br>2. Proof of the policy on the documents package to be shared with field staff prior to deployment.<br>3. Establishing of documents Electronic and Hardcopy libraries such as( SOP, ERP, ERP contacts, etc.)                                                                                                                                                                                     | For example: References<br>1. OMA, Section 1, 1.2.3<br>2. Manual distribution record to the field station (Record number, date of distribution) | Example:<br>1. YES, Attachment 2 - OMA, Section 1, 1.2.3<br>2. YES - Attachment 3. Reference to the E-Library and documents kept in the hardcopy library |
|                       | Field Operations Documents development policy and procedures (Standard Operation Procedures / Field Station Operation Manual) and Route Guide for routes and aerodromes | 1. Operator policy and procedures with a generic sample for developing CAA approved Route Guide<br>2. A Standards and Procedures for field operations. The generic route guide should include a requirement for routes and aerodromes listing as per RFO including Minimum safe and En-Route altitudes<br>3. A controlled process to update and keep the information current for the area of operation.<br>4. Single engine route guide to includes routes, which are within gliding distance to safe landing area at all times<br>5. Procedures for specific operations (Flying overwater, desert, etc.) |                                                                                                                                                 |                                                                                                                                                          |

## A little bit about Crew Competencies...

### Commercial Aviation

- Situation Awareness
- Problem solve/Decide
- Communicate/Teamwork
- Operate safely and securely
- Lead
- Workload Management

### Humanitarian Aviation

- Understand context
- Achieve results
- Collaborate
- Operate safely and securely
- Provide leadership
- Manage pressure and change

## ROLE OF:

### WFP AVIATION SAFETY

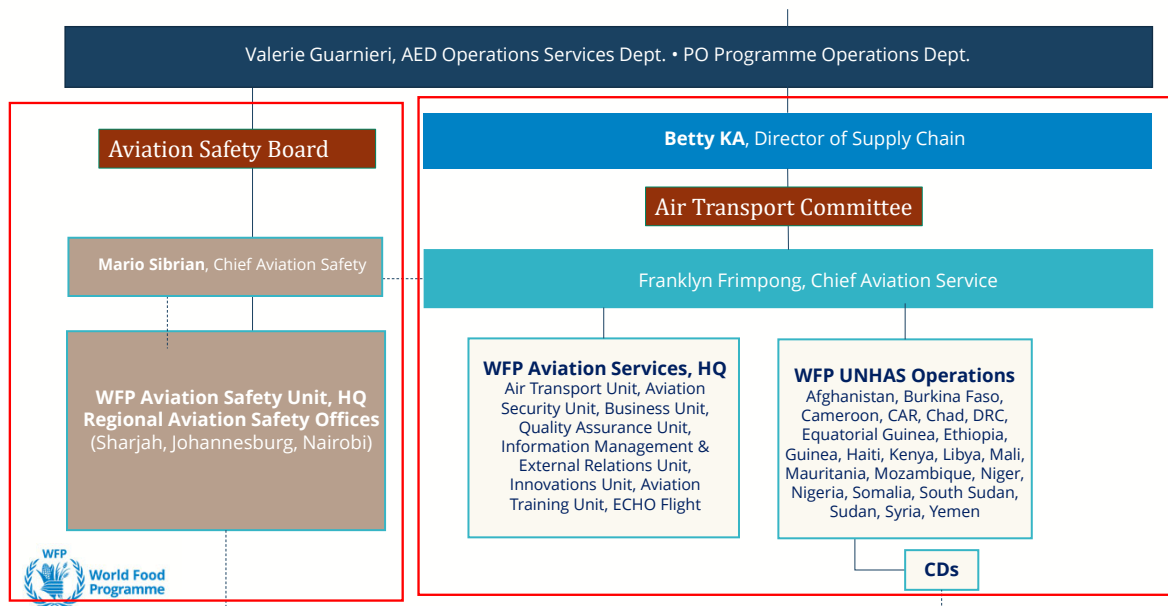
Conducts the Operator Risk Evaluations (OREs)

### WFP AVIATION SERVICE

Selects an operator of interest (Aircraft type, region where it is based, specific capacity, etc.) shall first be prequalified by and registered with UN as per applicable procedures.



## WFP Aviation Structure



## Importance of keeping the balance between production and protection...

### WFP GOODS & SERVICES PROCUREMENT

WFP strives to ensure that goods and services are purchased at competitive market prices and delivered in a timely manner. WFP procures goods and services locally, regionally and globally, depending on operational needs.

### ROSTER OF SUPPLIERS FOR GOODS & SERVICES

To ensure its quick operational response, WFP maintains extensive lists of registered suppliers grouped in rosters for the wide range of goods and services categories of WFP purchases.

### AIR OPERATOR CERTIFICATE (AOC) HOLDER'S REGISTRATION PROCESS

WFP Aviation Service selects an operator of interest (aircraft type, region where it is based, specific capacity and performance, etc) which will be qualified for registration and accepted as a vendor for the organization.

1

#### INITIAL CONTACT AND APPLICATION

First interaction between WFP Aviation Service and the AOC Holder. Then, the process is initiated at WFP HQ by WFP Aviation Safety Unit.

2

#### TECHNICAL PRE- QUALIFICATION

This step will follow the procedures, responsibilities and guidance detailed for the Operator Risk Evaluation (ORE) and for the Aviation Safety Assessments.

3

#### EVALUATION

The process may be finalized in the event of a satisfactory / unsatisfactory conclusion of the Aviation Safety Assessment conducted by WFP Aviation Safety Unit.

#### REGISTRATION ON THE WFP E-TENDERING PLATFORM

8

## Regulatory Framework



National CAA  
Air Regulations

Operator's manuals and  
procedures



AFO's SAOP,  
Aviation Safety Program,  
A-Emergency Response Plan

Guidance  
Documents





UNITED NATIONS  
AVIATION STANDARDS FOR PEACEKEEPING AND  
HUMANITARIAN AIR TRANSPORT OPERATIONS

Fourth Edition  
December 2022

This edition supersedes all previous editions of the United Nations Aviation Standards for Peacekeeping and Humanitarian Air Transport Operations, including any exemption or exception issued referencing previous versions.



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UNAVSTADS Fourth Edition - December 2022



## Regulatory Framework (Cont.)

- **UNAVSTADS 4.1.1. (a):**

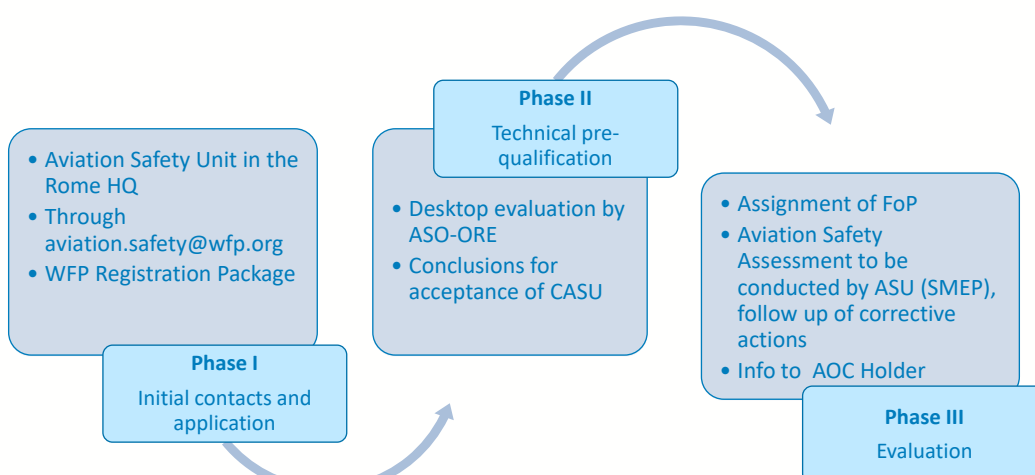
Any AOC Holder desiring to operate aircraft on contract for the UN shall first be prequalified by and registered with UN as per applicable procedures.

Successful AOC Holders are included on WFP's List of Registered AOC Holders (LORA), which qualifies them to participate in tenders

**1.2.4 Standards addressing general matters establish acceptable practices for all aircraft operated for the UN.** When a specific national requirement applicable to the AOC Holder differs from these standards the more restrictive provision shall apply.

To prevent the use of an UNAVSTADS outdated printed version, the electronic copy of its current version will be made available at: <https://www.un.org/Depts/ptd/aviation>

## PHASES OF THE REGISTRATION



## PHASE I REVIEW

Desktop Review conducted by ASO-RI against ICAO and UNAVSTADS regulations for the following documents:

- Registration Form
- Air Operator Certificate (AOC)
- Operation Specifications (OPSPECS)
- Operations Manual (Part A, Part B, Part C, Part D) including Quality Manual
- Maintenance Control Manual (MCM)
- Aircraft Maintenance Program (AMP), MEL
- Maintenance Agreement and AMO certification
- Safety Management System Manual and Safety Policy
- Aircraft Certificate of Registration
- Aircraft Certificate of Airworthiness
- Aircraft Insurance Certificates
- Aviation Security Manual
- UNAVSTADS Compliance Check List



## PHASE II REVIEW

In depth desktop review of all provided documents conducted by ASO-ORE:

1. The review is based of the “UNAVSTADS Compliance Check List” completed and signed by the operator.
2. The objective is to ensure compliance with the UNAVSTADS.
3. The operator will only be informed on the result of the review. **No details on the non-compliance found will be disclosed.**



## PHASE II REVIEW - SAMPLES

The operator needs to complete the list of compliance for the registration process. It includes the relevant UN Aviation Standards (UNAVSTADS) that the operator needs to indicate how it is intended to comply with or if it complies with. These standards are supplemented by the applicable ICAO standards, which are required for international operations.

A copy of the relevant section of the UNAVSTADS will accompany the registration package.

AOC Holder: vvvvvvvv

Date Formulated: vvvvvvvv

4.2.3

Flight Crew Qualifications Requirements

U

a) No pilot shall act as PiC of an aircraft operated in multi-pilot operations unless the pilot holds valid and current ATP licence and a current type rating for that aircraft as specified by the applicable Civil Aviation Authority (CAA), a current medical certification, English Language Proficiency, and radiotelephony license;

b) No pilot shall act as a co-pilot of an aircraft operated in multi-pilot operations unless the pilot holds a valid and current CP license and a current type rating for that aircraft as specified by the applicable Civil Aviation Authority (CAA), current medical certification, English Language Proficiency, and radiotelephony license.

|         |                            |                                                                              |                                                               |                                                                        |
|---------|----------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------|
| 4.2.2   | Pilot Age                  | Our pilots are under 50 years                                                | There is a copy of their identity card in each pilot's record | AOC holder has not given any provision regarding the age of the pilot. |
| 4.2.3   | Pilot License              | Each pilot has the appropriate licence and the airplane type rating endorsed | OMA 5.1.1; Pilot's record                                     | No comment                                                             |
| 4.2.4/5 | Flight Crew Qualifications | XXXX crew comply with the requirements for each aircraft type as per table   | OM 5.1.1                                                      | OMA 5.1.1 does not comply with UNAVSTADS 4.2.4                         |

## Phase III Conducting a Physical Evaluation

SMILE: Std Monitor & Implementation Level Evaluation





## Evaluation Results

| Item reference | ITEM                                                                                                          | Comments and Findings | Manual Procedures and reference | Risk Value | Company proposed action (who is responsible, date and action) |
|----------------|---------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------|------------|---------------------------------------------------------------|
|                | 1                                                                                                             |                       |                                 |            |                                                               |
|                | 01.01 Management and CAA Authorizations                                                                       |                       |                                 |            |                                                               |
| 01.01.01       | CAA authorization: AOC, including Operation Specifications.                                                   |                       |                                 | CRITICAL   |                                                               |
| 01.01.02       | CAA Continued Surveillance (Oversight Control), Operation and airworthiness audit reports                     |                       |                                 | MAJOR      |                                                               |
| 01.01.03       | Maintenance Authorization and Arrangement                                                                     |                       |                                 | MINOR      |                                                               |
| 01.01.04       | Aircraft Documents: TCDS, C of A, C of R, Insurance, and CAA accepted Lease Agreements (Ops and Mntc Control) |                       |                                 | NF         |                                                               |

## TOP 5 Common AOC Holders Errors when registering

### Phase I

1. The operator does not want to share their manuals
2. The operator could not provide all required documents within the timeline
3. The manuals provided are not Approved/Accepted by the appropriate CAA
4. The operator does not have full operational and maintenance control of the operation
5. The operator is only approved for a limited area of operations

## **TOP 5 Common AOC Holders Errors when registering (Cont.)**

### **Phase II**

1. The operator does not provide detailed reference of their manuals
2. The operator provided many wrong references of their manuals
3. The operator does not have the required organization structure
4. The contents/structure of the provided manuals do not comply with ICAO Annexes/UNAVSTADS
5. The manuals provided are not updated as per the latest manufacturers updates



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**WFP  
AVIATION  
SAFETY  
UNIT**



# THANK YOU!

