# Develop and Promote the Role of Human Factors
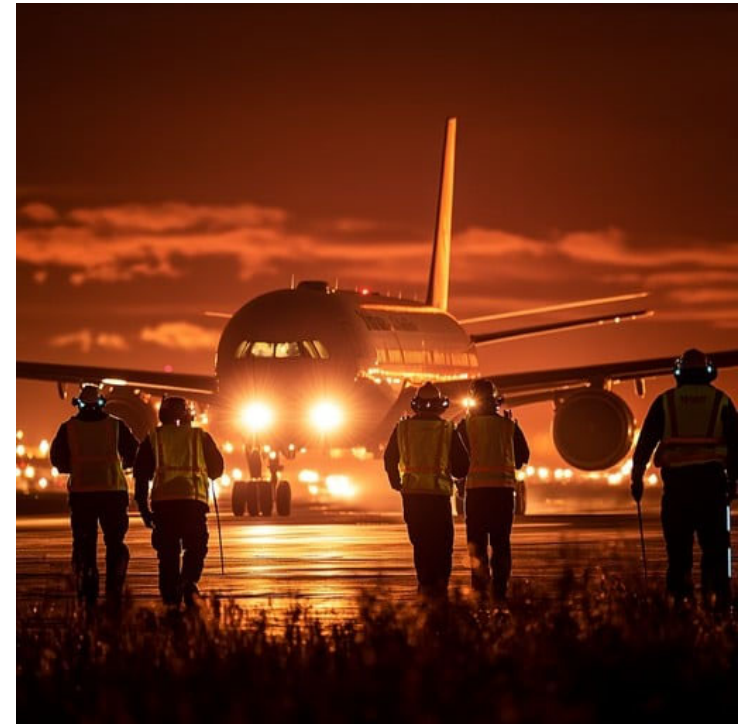
General Georges Nader

Security and Facilitation Expert, Lebanese Directorate General of Civil Aviation

# "The human component is critical to ensure safe and secure aviation"
## GASeP 2024

Aviation security is people protecting people

# Why Human Factors Matter: The Interplay

- Effective aviation security relies on the harmonious interaction of People, Technology, and Organizational Systems

- **Lebanon's Commitment:** Lebanon is committed to professionalizing its aviation security workforce, recognizing people as our strongest asset

# Current Challenges

- **Poor Working Conditions:** 💰 + 🕐
  (e.g., Inadequate pay, long hours, lack of welfare)

# Current Challenges

- **Technology-Human Interface:** 🖥 + ❌

  (e.g., outdated or Complex systems, poor usability, insufficient training)

# Current Challenges

- **Professional Recognition Gap:** 🎓 + 🔄

  (e.g., Lack of standardized recognition, career paths)

# Current Challenges

- **Public Perception:** 👥 + ⚠️

    (e.g., Viewing personnel as transactional, not professionals)

# Lebanon's 4-Pillar Strategy

- **Pillar 1: Assessment Framework** 📊
    (Developing methods to identify human factors vulnerabilities)

- **Pillar 2: Policy Integration** 📜
    (Embedding human factors into national policies & procedures)

- **Pillar 3: Professional Development** 🎯
    (Comprehensive training, continuous development, career paths)

- **Pillar 4: Cultural Transformation** 🔄
    (Fostering a proactive security culture)

# Regional Opportunities
## (Exp: CASP-MID)

**Collaboration Areas:**

- Training Standards

- Technology Integration

- Professional Recognition

# Implementation Timeline

**Short-Term Goals (6-12 months):**

- Initial human factors vulnerability assessments.
- Basic human factors awareness in training.
- Establish working group.

# Implementation Timeline

**Medium-Term Goals (1-3 years):**

- Specialized human factors training.

- Policy revisions for human factors.

- Pilot projects for technology-human interface.

# Implementation Timeline

**Long-Term Goals (3-5+ years):**

- Full integration across all security domains.

- Recognized professional certification.

- Deeply ingrained security culture.

# Call to Action

**4 Key Actions:**

- Champion the Workforce
- Integrate Policies
- Collaborate Regionally
- Invest Strategically

"Human factors principles must be integrated for sustainable aviation."

# Key Resources

- ICAO GASeP Human Factors Starter Pack

- ICAO Doc 10151 – Human Factors Guidelines for Aviation Security

- ICAO Security Culture Website



**Priority Area 1**
Enhance risk awareness and response

**Priority Area 2**
Maintain a strong and effective security culture

**Priority Area 3**
Develop and promote the role of human factors

**Priority Area 4**
Improve technological resources and foster innovation

**Priority Area 5**
Improve oversight and quality assurance

**Priority Area 6**
Increase cooperation and support

# Thank you!

Mobile: +9613199668

Email: g.nader@beirutairport.gov.lb