



**Airport Fire Safety Audits by  
third party Specialist:**

**Working with Fire Chiefs to Address  
Operational gaps and strengthen  
leadership engagement**

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# INTRODUCTION

- Airports audits generally conducted by generalists of regulatory authorities of the country
- Absence of RFF matter expert seldom overlook fire & life safety measures

# PURPOSE



To ensure the Airport Rescue and Firefighting Service (ARFF) operates at the highest safety, compliance, and efficiency standards through an independent review

# ADVANTAGES

**Objective Assessment** : Provides an unbiased and objective evaluation of the airport's fire service capabilities, procedures, and equipment

**Identification of Gaps** : Helps identify gaps in emergency response procedures, training, equipment, and infrastructure, enabling targeted improvements

**Enhanced Safety** : Contributes to enhanced safety by ensuring compliance with regulatory requirements and industry best practices

**Regulatory Compliance** : Ensures the airport's fire service meets regulatory requirements and standards, reducing the risk of non-compliance and associated penalties

**Best Practices** : Introduces best practices and benchmarks from other airports or industries, promoting continuous improvement

**Credibility** : Third party audits proves that every aspects are tested, audited and produced consistently to meet safety standards

# ADVANTAGES

**Assurance** : Provides stakeholders, including passengers, airlines, and regulatory bodies, with assurance that the airport's fire service is robust and effective

**Risk Reduction** : Helps reduce the risk of accidents, injuries, and damage to property by identifying and mitigating potential hazards

**Improved Emergency Response** : Enhances the airport's ability to respond effectively to emergencies, minimizing the impact of incidents

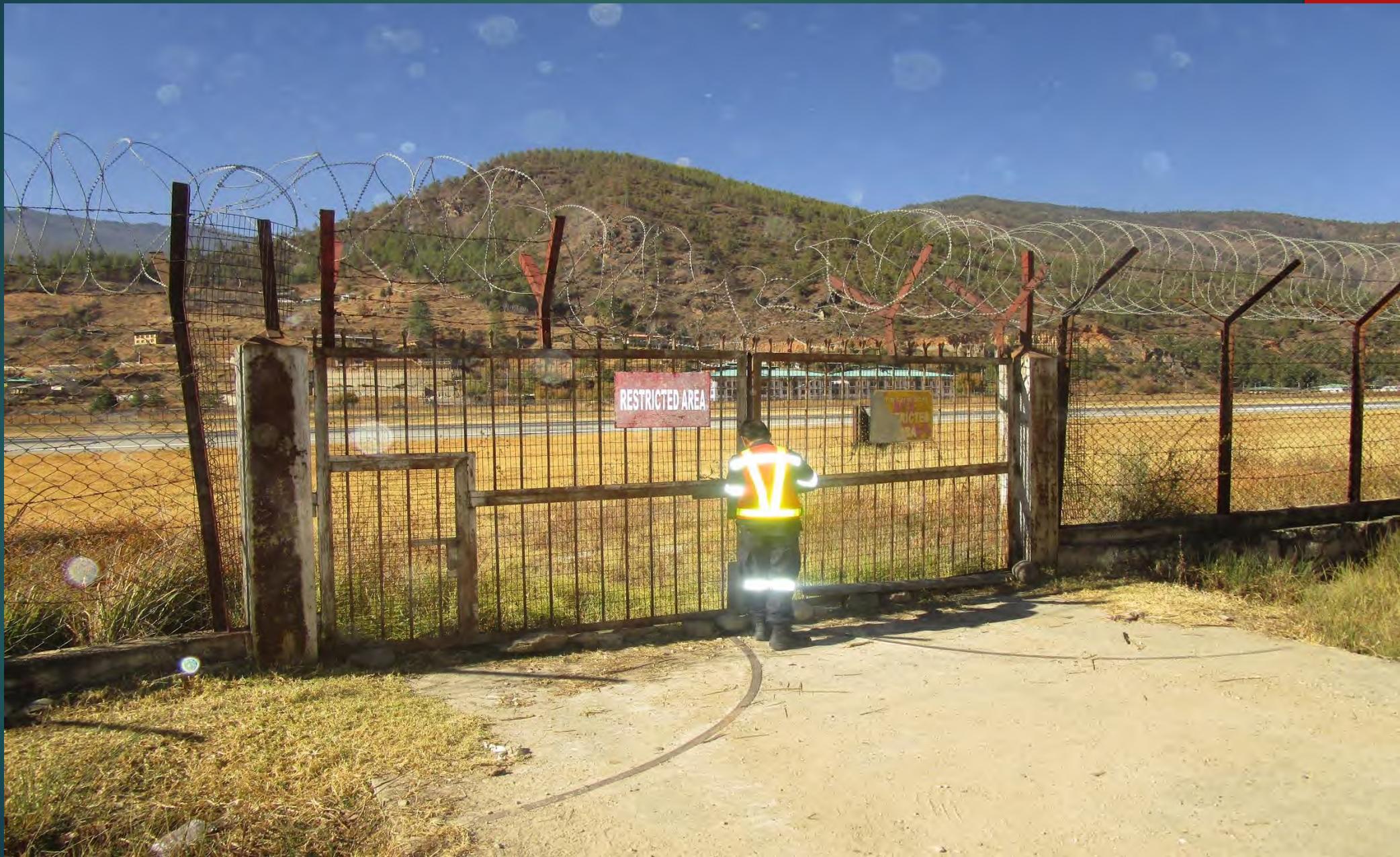
**Training & Resource Allocation** : Informs training programs and resource allocation, ensuring that fire service personnel are equipped to respond to emergencies effectively

**Continuous Improvement** : Fosters a culture of continuous improvement, encouraging the airport to regularly review and update its fire service procedures and capabilities

# CASE – 1



## CASE – 2



## CASE – 3



## CASE – 4



## CASE – 5



## CASE – 6



# CASE – 7

## Extinguishing Agents



### ➤ Observation

- Quantity of reserved stock is adequate
- Foam test was conducted on 30<sup>th</sup> Oct 2017
- **ABC type dry chemical powder not compatible with the existing type of foam**

### ➤ Recommendation

- Replace with BC type dry chemical powder – Doc 9137 ASM Part 1 (8.2.4)
- Rearrange extinguishing agents – First In Last Out

# CASE – 8

## Operations

Response Time:

**Observation:** Response Time was checked & found well achieved within 2 minutes on the runway. However, it may not be practicable to have direct & safe access to the movement area in Intl & Dom apron during live runway operations.

**Recommendation:** Siting of satellite FS at suitable location to comply with response time requirements of aircraft movement area. (Ref- Doc 9137 Chap-5)

Task Resources Analysis:

**Observation:** Manpower deployment & provisioning is not in-accordance with TRA

**Recommendation:** A complete task resource analysis to be carried out to justify the competent/ qualified personnel required to deliver effective ARFF operations (Ref- Doc 9137 Chap-10)



## JUSTIFICATION

- Low-cost, high-impact safeguard, that protects lives, assets, and revenue streams
- Strengthens compliance, reduces risks, and positions the airport as a leader in safety excellence

A close-up photograph of a person's hands, wearing a grey long-sleeved shirt. The person is holding a white rectangular card with the words "THANK YOU" printed in large, bold, black capital letters. The hands are positioned with the fingers slightly spread, supporting the card from both sides. The background is a plain, light-colored surface.

THANK YOU

