

**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
TECHNICAL COOPERATION BUREAU**

**JOB DESCRIPTION**

**Title:** CIVIL AVIATION AUTHORITY ORGANIZATION SURVEY FOR  
POSSIBLE HEIGHT LIMITATIONS

**Duty Station:**

**Date Required:**

**Duration:** 5 working days on site plus travel time plus 10 working days at home

**Representative Qualifications Requirements:**

1. Degree in civil/aerodrome engineering or equivalent relevant professional qualification.
2. At least 15 years experience in the planning, design and implementation of airport projects including performing analysis of obstacle clearance in the context of airport construction works.
3. Experience in the calculation of the decision heights; Obstacle Clearance Altitude/height (OCA/H); Decision Altitude/height ( DA/H); Minimum Descent Altitude/height (MDA/H).
4. Familiarity with ICAO SARPs, PANS and Manuals related to aerodrome and aircraft operations.
5. Experience of aircraft operational characteristics, landing and take-off criteria and procedures and flight procedures.
6. Knowledge and experience with the ICAO Safety Management Systems (Doc. 9859), Risk Assessment and PANS-OPS (Doc 8168) Obstacle Assessment guidance.
7. Knowledge of ICAO technical co-operation work.
8. Fluent in the English language (written and spoken) and experience in the use of Word, Excel and Power Point.
9. Initiative, tact, sound judgment and the ability to maintain harmonious working relationships.

### **Representative Duties:**

1. Review the Airport Master Plan and the Airport Layout Plan, Topographic plans of the airport and surrounding areas and reports on the XXXXXXXX to determine height limitation around the airport.
2. Analyze the physical characteristics of the XXXXXXXX International Airport and its surroundings to identify all existing obstructions, potential hazards and their impact on flight operations.
3. Perform an analysis of obstacle clearance in the context of airport construction works.
4. Undertake a safety risk assessment based on ICAO safety management methodology and an aeronautical study including an obstacle assessment based on PANS-OPS and determine maximum allowable height limitations for the area around the XXXXXXXX International Airport.
5. Determine the feasibility of removing any obstruction, if any, and identify those that cannot be removed, provide technical reasons and recommend safety risk mitigation measures.
6. The survey should define the volume of airspace that should ideally be kept free from obstacles in order to minimise the danger to aircraft during an entirely visual approach or during the final visual segment of an instrument approach procedure. These surfaces are of a permanent nature and comprise the reference datum which defines an obstacle. Anything above the vertical limits of the Obstacle Limitation Surface (OLS) is regarded as an obstacle.