Objectives
To provide, with reference to the experience of the Civil Aviation Department (CAD) Hong Kong, participants with an introduction to aircraft noise management, tools and methods for a successful noise management programme, and aircraft noise modelling.

Contents

▲ Introduction to aircraft noise
- Defining the issue of noise annoyance
- Why monitor and manage noise
- Current approaches and tools
- Introduction to noise metrics

▲ Noise management case studies - the Hong Kong experience
- Hong Kong’s legislation on aircraft noise
- Aircraft noise mitigation strategy
- Operation restrictions and management
- Aircraft restrictions
- Aircraft noise monitoring terminal and aircraft noise recognition
- CAD’s Aircraft Noise and Flight Track Monitoring System
- Uses of noise and track data
- Public communication

▲ Complaint data analysis

▲ Introduction to noise modelling
- Concepts behind noise modelling
- Aircraft noise and performance data
- Preparation of input data for noise modelling
- Uses of modelling
- Integrated Noise Modelling (INM) software
- Aircraft noise and land-use compatibility

▲ Demonstration of the functions of CAD’s Aircraft Noise and Flight Track Monitoring System

▲ Site visits to aircraft noise monitoring terminals
- Features and functions of noise monitoring terminal
- Real time display of aircraft noise and flight track

DURATION | Two days

TARGET PARTICIPANTS | Regulatory and operational personnel involved in aircraft noise management from civil aviation authorities, airport authorities and airlines, and personnel in the civil aviation industry who want to better understand the various issues related to aircraft noise

PRE-REQUISITE | Nil