Hong Kong
Civil Aviation
Training Center
FOREWORD
Civil aviation is one of the fastest growing industries in the Asia Pacific region. Along with this growth, safety and efficiency of air travel have been continuously maintained and improved in the complex operating environment through the hard work and dedication of all personnel engaged in the aviation industry. Such dedication includes the continuous drive to acquire knowledge in the ever-evolving new technologies, new rules and regulations and best practices.

The Civil Aviation Department of Hong Kong Special Administrative Region is committed to the provision of a safe and efficient air transport system. We are proud that, for the past several decades, we have been upholding this mission. To reinforce such commitment and respond to new challenges we have to face today, staff training has always been our main focus. Through systematic and comprehensive training programmes developed by the respective divisions of our department, our staff are well equipped with the required knowledge and ability to confidently carry our mission through.

Being a member of the Asia Pacific aviation community, we feel that it is our community responsibility to share our experience and knowledge with other fellow members. We also hope to benefit through the sharing process. In this regard, we sincerely invite colleagues from regulatory agencies, air traffic management organizations, airport authorities, airlines, maintenance or engineering organizations and all personnel engaged in the aviation-related industries in the region, to enroll and participate in our training programmes as set out in this booklet.

Through these target oriented training programmes, we wish to make our contribution to the continuous enhancement on a safe and efficient air transport system in this region and beyond.

George Chao
Training Center Administrator/
Assistant Director-General of Civil Aviation
Civil Aviation Department
Hong Kong Special Administrative Region
China
Programmes

AIR TRAFFIC MANAGEMENT

4 Introduction to Air Traffic Management
5 Response to Aircraft Emergencies by Air Traffic Control Units
6 Aeronautical Information Services

AIRPORT STANDARDS

7 Aerodrome Licensing
8 Dangerous Goods Regulations Enforcement
9 Regulation of Aviation Security

ENGINEERING AND SYSTEMS

10 Project Management
11 Maintenance Management
13 Aeronautical Telecommunication Network / Air Traffic Service Message Handling System
FLIGHT STANDARDS AND AIRWORTHINESS

Aircraft Maintenance Programme 14
Hong Kong Airworthiness 15
HKAR-145 Approved Maintenance Organization Workshop 16

AIR SERVICES

Aircraft Noise Monitoring and Noise Mitigation Measures 17
Air Services and Schedule Coordination in Hong Kong 18

Registration Form 19

(Schedule of Programmes included at inside backcover)
To provide participants with fundamental knowledge on air traffic control (ATC) operation and the services provided.

**OBJECTIONS**

**DURATION**
Three days

**TARGET PARTICIPANTS**
Personnel having general interest in the aviation industry particularly in the area of air traffic management

**PRE-REQUISITE**
Literacy in English

**CONTENTS**

- Objective of air traffic services
- Air Traffic Services Units and its responsibilities
- Airspace classification
- Instrument Flight Rule
- Visual Flight Rule
- Unit of measurement
- Cruising level systems
- Basic concept on safety management system
- Introduction to flow control
- Basic principle of ATC separation
- Communication and radio navigation aids
- Altimeter setting procedures
- Airport layout
- Flight planning
- Reduced Vertical Separation Minimum
- RNP routes
- Emergencies
Air Traffic Management

Response to Aircraft Emergencies by Air Traffic Control Units

To provide participants with fundamental knowledge on aircraft emergencies and the general handling procedures by airport units

OBJECTIVES

- Accident / incident classification
  - Aircraft Accident
  - Emergency Alerting
  - Bomb Threat
  - Unlawful Seizure of Aircraft
  - Aircraft Ground Incident

- Means of communication
- Common emergency situations and guidelines on action to be taken
- Alerting list
- Notification form
- Visit to Area Control Center and Tower
- Visit to Airport Fire Contingent
- Visit to Aeronautical Rescue Coordination Center
- Visit to Airport Emergency Center

CONTENTS

DURATION
Two days

TARGET PARTICIPANTS
Air traffic control staff and personnel whose duties are related to flight operations and response to aircraft emergencies

PRE-REQUISITE
Literacy in English and have fundamental knowledge in airport and air traffic control operations
Air Traffic Management

Aeronautical Information Services

OBJECTIVES

To provide participants with fundamental knowledge on aviation and provision of Aeronautical Information Services

CONTENTS

INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)
- The Chicago Convention
- The ‘Five Freedoms’ of the Air
- Structure of ICAO
- The Annexes

AERODROME
- Visual aids for navigation (markings)
- Visual aids for navigation (lights)

COMMUNICATIONS
- Propagation of radio waves
- Classification of radio frequencies
- Types of propagation
- Ionosphere

RADIO AIDS TO CIVIL AVIATION
- VHF Direction Finding (VDF)
- Automatic Direction Finding (ADF)
- VHF Omni-directional Radio Range (VOR)
- Distance Measuring Equipment (DME)
- Instrument Landing System (ILS)
- Radio Detection and Ranging (Radar)
- Inertial Navigation System (INS)
- Automatic Area Navigation System (R-NAV)
- Airborne Collision Avoidance System (ACAS) / Traffic Alert & Collision Avoidance System (TCAS)

MAP PROJECTION
- Classification of projection
- Cylindrical projection - Mercator
- Conical projection - Lambert's Conformal

ELEMENTARY NAVIGATION
- Measurement of distance and direction
- Zone time
- Coordinated Universal Time (UTC)
- Utilization of navigation computer

AERONAUTICAL INFORMATION SERVICES
- The Aeronautical Information Publication (AIP)
- Aeronautical Information Circulars (AIC)
- System NOTAM
- AIP Supplements
- Dissemination of information
- Briefing and pre-flight information bulletins
- Acceptance of flight plans

VISITS TO AIRFIELD

VISITS TO DISPATCH OFFICES OF AIRLINES

ATTACHMENT TO AERONAUTICAL INFORMATION CENTER

DURATION
Three weeks

TARGET PARTICIPANTS
Personnel whose duties are related to flight operations, flight planning and provision of Aeronautical Information Services

PRE-REQUISITE
Literacy in English and have fundamental knowledge of air traffic control
Aerodrome Licensing

To provide participants with an in-depth understanding of the mechanism and the process involved in the licensing of an aerodrome. The experience of the Civil Aviation Department Hong Kong in the licensing of the Hong Kong International Airport will be shared with participants through classroom lectures, discussions and on-site inspections.

OBJECTIVES

- Need for the certification of aerodrome
  - Relevant provisions in ICAO Annex 14 Volume I
- Requirements relating to aerodrome certification
  - Relevant guidelines contained in the Manual on Certification of Aerodromes (ICAO Doc 9774)
- Regulatory regime of aerodrome licensing based on Hong Kong’s model
  - Legal framework of the regulatory regime
  - Aerodrome Licensing Requirements Document published by the Civil Aviation Department Hong Kong
  - Information to be included in an aerodrome manual and emergency procedures manual
  - Requirements on the establishment and implementation of a safety management system at an aerodrome
- Implementation by the Civil Aviation Department Hong Kong of the regulatory regime of aerodrome licensing
  - Aerodrome licensing procedures
  - Monitoring of safety compliance during the licensing period
- Regulatory audits on operational services and maintenance services at an aerodrome
  - Audit policy and procedures
  - Sample audit reports
- Airport Safety Management System
- Assessment and treatment of obstacles at and around an aerodrome
- Site visits at the Hong Kong International Airport
  - Inspections on selected facilities
  - Discussion on the results of inspections

CONTENTS

DURATION
Four days

TARGET PARTICIPANTS
- Personnel in aviation authorities and government agencies involved in aerodrome policies, certification, standards and inspections
- Personnel involved in aerodrome management

PRE-REQUISITE
Nil
To understand how a framework in regulating and ensuring the safe air transport of dangerous goods can be formulated. The experience of the Dangerous Goods Office of the Civil Aviation Department Hong Kong will be shared through classroom lectures, discussions and mock on-site inspections.

**OBJECTIVES**

- Dangerous goods – a review
  - What is dangerous goods and why should their air carriage be regulated

- International requirements for safe transport of dangerous goods by air
  - ICAO technical Instructions
  - IATA Dangerous Goods Regulations

- Dangerous goods regulations in Hong Kong
  - Air Navigation (Dangerous Goods) Regulations, i.e. Schedule 16 to Air Navigation (Hong Kong) Order 1995 Chapter 448 subsidiary legislation C
  - Dangerous Goods (Consignment by Air) (Safety) Ordinance and Regulations Chapter 384

- Monitoring the dangerous goods activities of airlines & consignors
  - Monitoring, inspection and issue of dangerous goods permission

- Shippers' and operators' responsibilities from a dangerous goods regulator's perspective
  - Legal requirements
  - The flow of cargo acceptance

- Investigation of dangerous goods accident / incident
  - Skills and experiences

- Prosecution of offenders
  - Evidence collection
  - Prosecution consideration

- Mock inspection of airlines & dangerous goods consignors
  - Inspections of cargo acceptance

**CONTENTS**

**DURATION**
Three days

**TARGET PARTICIPANTS**
Personnel from airlines, airport authorities, civil aviation authorities and government agencies involved in regulating and ensuring the safe transport of dangerous goods

**PRE-REQUISITE**
Having completed dangerous goods basic course
To provide participants with knowledge on the regulation of aviation security with particular reference to ICAO Standards and Recommended Practices (SARPs) and guidance materials as well as practices in Hong Kong

OBJECTIVES

- Threats to civil aviation
- Principles of aviation security
- International conventions and works of ICAO relating to aviation security
- ICAO SARPs and guidance materials
- Organization and mechanism of regulation
- Aviation security programmes
- Measures for the protection of airports and security control of airport staff and regulation of airport operators
- Measures for the protection of airport tenants and security control of airport tenant staff and regulation of airport tenant operators
- Measures for the protection of aircraft and security control of passengers, baggage, store and catering supplies and regulation of airlines
- Measures for the security control of cargo and air cargo agents and regulation of cargo agents
- Requirements on and regulation of security equipment and service personnel
- Requirements on and regulation of contingency plans and arrangements
- Visits to security facilities at the Hong Kong International Airport

CONTENTS

DURATION
Five days

TARGET PARTICIPANTS
Managers and supervisors of airlines, airport authorities, government authorities and other aviation related organizations who are involved in aviation security duties

PRE-REQUISITE
Have fundamental knowledge on aviation security
Project Management

OBJECTIVES

To provide participants with the principles, theory and practices for effective management of engineering projects. After the course, the participants will be able to plan, engineer, implement and supervise the provision of technical systems in a systematic manner, through the application of suitable project management techniques.

CONTENTS

- Concept and benefits of project management
  - Structured steps and procedures
  - On-time completion
  - Provision within budget
- Modern and effective project management techniques
  - Work breakdown structure
  - Critical path analysis
- Procurement strategies
  - Procurement process
  - Suppliers / contractors evaluation and selection
- Time and cost control and programme management
  - Establishing time and cost baseline
  - Project programming
- Project progress review, monitoring and evaluation techniques
  - Project planning
  - Project performance monitoring
  - Project progress reports and review
- Risk assessment and management
  - Risk identification and evaluation
  - Risk management plan
  - Risk monitoring and controlling
  - Fast-tracking and contingency management
- System acceptance and integration for multiple projects
  - Factory acceptance
  - Site acceptance
  - Reliability acceptance
  - System integration and interface management
- Contract administration
  - Logistic management
  - Variations
  - Delay claims
  - Disputes resolution
- Manpower and resources management
  - Project team organization
  - Manpower planning and work division
  - Resources planning and monitoring
- Documentation management
  - Document control
  - Configuration management and version control
- Case studies

DURATION
Three days

TARGET PARTICIPANTS
Project Programme Managers, Project Leaders and Project Planners who need to plan or run the engineering projects to achieve required results

PRE-REQUISITE
Participants are expected to be in the project management field and have basic knowledge in relevant terminologies.
To provide participants with the concept, theory and practices on maintenance management particularly on complex air traffic control systems or aviation electronic systems. In addition, various practical means to ensure the efficient and effective operations of maintenance organization such as performance review / monitoring, cost and inventory control, staff training, equipment performance statistics will be discussed.

OBJECTIVES

→ Modern and effective maintenance management
  • Maintenance concept & techniques
  • Maintenance benefits
  • Maintenance philosophy

→ Maintenance standards / level of service
  • ICAO standards
  • National standards
  • Equipment availability
  • Watch-keeping service and first line maintenance
  • 24-hour maintenance service / support

→ Maintenance organization set-up
  • Maintenance organization set-up in response to service requirements
  • 24-hour watch-keeping team
  • First-line maintenance team
  • Support service

→ Maintenance procedures and frequency
  • Maintenance procedures
    – Preventive maintenance
    – Corrective maintenance
    – Flight calibration
  • Type of maintenance
    – Daily
    – Weekly
    – Monthly
    – Quarterly
    – Half yearly
    – Yearly
Maintenance Management

DURATION
Five days

TARGET PARTICIPANTS
Maintenance managers and engineering personnel from civil aviation authorities, airport authorities, and organizations involved in the maintenance of aviation electronics equipment / systems

PRE-REQUISITE
Good understanding of basic electronic systems employed in aviation field

- Maintenance performance reviews, monitoring and evaluation techniques
  - Daily maintenance monitoring
  - Incident / fault reports review
  - Periodic maintenance performance review
  - Annual maintenance performance review
  - Periodic management review on maintenance performance

- Cost and inventory control
  - Expenditure control
  - Spare / inventory control
  - Overtime control / vetting

- Equipment performance trend analysis
  - Daily report
  - Monthly equipment performance statistics
  - Annual equipment performance statistics

- Risk assessment and management
  - Risk identification and evaluation
  - Risk management plan
  - Risk monitoring and controlling
  - Fast-tracking and contingency management

- Manpower and resources management
  - Budget time calculation

- Staff training and certification
  - Manufacturer training
  - In-house training
  - Certification of training and competence

- Documentation management
  - System / equipment manuals
  - Maintenance manuals
  - Operations manuals
  - Instruction manuals

- Case studies and site visits
  - Case studies on fault investigation / rectification
  - Site visits to operational centers, maintenance centers and equipment stations
To provide participants with an overview on new Aeronautical Telecommunication Network (ATN) infrastructure and its associated communication protocols, as well as an in-depth understanding on the operations of the new Air Traffic Service Message Handling System (AMHS).

**OBJECTIVES**

**MODULE I (2 DAYS) ON ATN**
- Overview of ATN and its Use as Communication Backbone for CNS/ATM Systems
- Building Blocks of ATN
- ATN Routing Architecture and Asia / Pacific Routing Plan
- ISO OSI 7-layer Communications Reference Model
- Naming and Address Convention
- ATN Routing and Aeronautical Internet protocols

**MODULE II (3 DAYS) ON AMHS**
- International Telecommunication Union (ITU) Message Handling System (MHS) Information Object
- MHS Architecture, Functional Object, Communication Protocols and Operational Model
- Abstract Service Model of Message Transfer Service (MTS)
- Element of Service (EoS) of MHS and Interpersonal Message Service (IPMS)
- AMHS and MHS
- AMHS Addressing Scheme and Address Conversion
- AMHS Message Server, User Agent and AFTN/AMHS Gateway Specifications
- Interpersonal Message (IPM), Interpersonal Notification (IPN) and Report Structures
- Inter-conversion between IPM/IPN/Report and Aeronautical Fixed Telecommunication Network (AFTN) message

**DURATION**
Five days. Candidates may elect to attend either one or both modules of the course

**TARGET PARTICIPANTS**
Managers and supervisors of Aeronautical Fixed Telecommunication Network (AFTN) Communication Centers, and engineering / operational personnel involved in the planning and implementation of AMHS over ATN

**PRE-REQUISITE**
Literacy in English with fundamental knowledge in AFTN and data communications
Aircraft Maintenance Programme

OBJECTIVES

To give the participants the fundamental principles of aircraft maintenance programme, its vital elements, preparation and approval process. Following the completion of the workshop, it is envisaged that all participants will be in a position to prepare well-structured aircraft maintenance programme document for Civil Aviation Department (CAD) approval.

CONTENTS

Understanding the requirements
- Introduction
- Understand applicable legislation and CAD requirements

Aircraft maintenance programme vital elements
- Certification maintenance requirements
- Maintenance Steering Group (MSG) 3 analysis
- Maintenance review board
- Maintenance Planning Data Document (MPD)

Aircraft maintenance programme management
- Aging aircraft system
- Structure programmes
- Escalation / optimization of maintenance programmes
- Low utilization programmes
- Bridging / alignment of aircraft on maintenance programmes
- Maintenance programme management
- Modification and continued airworthiness aspects
- CAD maintenance programme approval process

DURATION
Three days

TARGET PARTICIPANTS
The workshop is specially catered for engineering personnel engaged in aircraft maintenance programme activities. Quality Assurance and other maintenance staff engaged in Production and Planning areas are also encouraged to attend.

PRE-REQUISITE
Literacy in English and have fundamental knowledge in aeronautical engineering or aircraft engineering.
To provide an overview of the processes and procedures used by the Civil Aviation Department Hong Kong to ensure that individuals, airline operators and maintenance organizations comply with the relevant airworthiness regulations and carry out the airworthiness tasks under the international framework established by ICAO, JAA and FAA.

- **Foundation Topics**
  - International Civil Aviation Organization (ICAO), structure of the Civil Aviation Department Hong Kong, concept of airworthiness and air law

- **Design and Production**
  - Design organization approval process, certification of aircraft, certificate of airworthiness issue and flight manual, Supplementary Type Certificate (STC), Parts Manufacturer Approval (FAA-PMA), JAR-21 design and production approvals, FAR-21 design and production approvals, aircraft equipment approvals and system installation approval, Non-Destructive Tests (NDT) and welders approval

- **Continuing Airworthiness**
  - Certificate of airworthiness renewal, airworthiness directive, maintenance programmes, reliability programmes, modifications, in service engine maintenance, quality in aircraft maintenance, HKAR-66 personnel licensing, HKAR-145 approved organizations and HKAR-147 maintenance training organizations

- **Flight Operations and Maintenance**
  - The Air Operator’s Certificate (AOC), JAR OPS Subpart M (AOC maintenance), flight manuals, weight and balance report and schedule, Master Minimum Equipment List and Minimum Equipment List

- **Human Factors and Safety Management**
  - Current issues and practices in Human Factors and Safety Management System

- **Interfaces**
  - Accident and occurrence reporting and aircraft accident investigation

- **The Future of Regulation**
  - European Aviation Safety Agency and the JAA

**OBJECTIVES**

**CONTENTS**

**DURATION**
Two weeks, non-residential

**TARGET PARTICIPANTS**
This course is aimed at aviation personnel working in aviation authorities, airlines and maintenance organizations in the Asia Pacific region. It is designed to demonstrate how airworthiness and safety regulation are administered in Hong Kong

**PRE-REQUISITE**
With fundamental knowledge and experience in the aircraft maintenance field
HKAR-145 Approved Maintenance Organization Workshop

OBJECTIVES

To give participants a fundamental understanding of the HKAR-145 Approved Maintenance Organization requirements and the means by which the aviation regulator effects oversight monitoring of that approval. Furthermore, following the completion of this workshop, it is envisaged that all participants will be in a position to conduct well-structured and meaningful audits upon their maintenance organizations.

CONTENTs

Understanding the requirements
- Introduction
- Applicable aviation legislation in Hong Kong
- Understand the HKAR-145 requirements

Quality system within an organization
- Oversight programme
- Quality system
- Functions of a quality assurance department
- Quality staff
- Monitoring a quality assurance department
- Quality indicators
- Civil Aviation Department Hong Kong audits vs QA internal audits

Effective audits
- Previous exposure of participants in HKAR-145 environment
- Audit programme
- Audit checklist
- Preparation of audit
- Conduct of audit
- Debrief and audit report writing
- Follow-up and closure of audit

Example audit findings

Failure of a HKAR-145 organization

Effective maintenance organization
- Experience and difficulties encountered
- Supply chain management
- Support from the organization
- Effective human resources management
- Effective quality assurance system
- Preventive maintenance scheme

DURATION
Five days

TARGET PARTICIPANTS
The workshop is basically designed for the personnel engaged in Quality Assurance. Accountable Managers and other maintenance staff engaged in Production and Planning areas are also encouraged to attend.

PRE-REQUISITE
With fundamental knowledge and experience in the aircraft maintenance field.
Aircraft Noise Monitoring and Noise Mitigation Measures

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.

OBJECTIVES

- 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

CONTENTS

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
OBJECTIVES

Air Services and Schedule Coordination in Hong Kong

To provide participants with a general understanding of different types of air services, agreements and regulations in air services, the principles of slot allocation, the need for schedule coordination in Hong Kong and government's role in the coordination process.

CONTENTS

- Air Services
  - Freedom of rights
  - Types of air services
  - Air Services Agreements
  - Relationship with schedule coordination

- Regulations in Air Services in Hong Kong

- Need for schedule coordination
  - Airport capacity
  - Traffic congestion

- IATA classification of the levels of airport activity

- Roles of airlines, airports, coordinators and government

- Local airport capacity and scheduling criteria

- Slot allocation
  - Definitions
  - General principles and guidelines

- Monitoring of schedule coordination in Hong Kong
  - Work of the Schedule Coordinator
  - Coordination committees
  - On-time performance
  - Slot utilization

DURATION
One day

TARGET PARTICIPANTS
Operational personnel from civil aviation authorities, airport authorities and airlines who are new to the industry and want to have a better understanding of the air transport system

PRE-REQUISITE
Nil
# Hong Kong Civil Aviation Training Center

## Registration Form

### APPLICANT'S DETAILS

(Please complete one registration form for one training programme)

- **Name (as in passport)**
- **Title** Dr / Mr / Mrs / Ms / Other (please specify)
- **City**
- **Organization**
- **Position**
- **Organization Address**
- **Tel**
- **Fax**
- **Email**

### PROGRAMME APPLIED FOR

- **Programme name**
- **Programme date required**
- **Fee (in Hong Kong Dollar)**
- **Date**
- **Signature**

### PAYMENT

Payment should be made by bankdraft or cheque in Hong Kong Dollar to "The Government of the HKSAR".

- **Bankdraft / Cheque No**
- **for Hong Kong Dollar**

Please forward the completed registration form together with the payment to:

Training Center Administrator, Hong Kong Civil Aviation Training Center, Civil Aviation Department, 46/F Queensway Government Offices, 66 Queensway, Hong Kong, China

Tel (852) 2182 1230 Fax (852) 2795 8469 Email hkcatc@cad.gov.hk
HKP 629.1300715 H7
Hong Kong Civil Aviation
Training Center
Hong Kong : Civil Aviation Dept., [2004]
<table>
<thead>
<tr>
<th>PROGRAMME</th>
<th>DURATION</th>
<th>DATE(S)</th>
<th>FEE HK$ (excluding accommodation)</th>
<th>VENUE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Traffic Management</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduction to Air Traffic Management</td>
<td>3 days</td>
<td>26 - 28 Apr 2004</td>
<td>2,120</td>
<td>ATCX</td>
</tr>
<tr>
<td></td>
<td></td>
<td>28 - 30 Jul 2004</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 - 10 Dec 2004</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Response to Aircraft Emergencies by Air Traffic Control Units</td>
<td>2 days</td>
<td>24 - 25 May 2004</td>
<td>2,520</td>
<td>ATCX</td>
</tr>
<tr>
<td>Aeronautical Information Services</td>
<td>3 weeks</td>
<td>6 - 25 Sep 2004</td>
<td>13,450</td>
<td>ATCX</td>
</tr>
<tr>
<td>Airport Standards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerodrome Licensing</td>
<td>4 days</td>
<td>16 - 19 Nov 2004</td>
<td>4,150</td>
<td>PTB</td>
</tr>
<tr>
<td>Dangerous Goods Regulations Enforcement</td>
<td>3 days</td>
<td>1 - 3 Dec 2004</td>
<td>2,430</td>
<td>PTB</td>
</tr>
<tr>
<td>Regulation of Aviation Security</td>
<td>5 days</td>
<td>28 Feb - 4 Mar 2005</td>
<td>5,060</td>
<td>PTB</td>
</tr>
<tr>
<td>Engineering and Systems</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Management</td>
<td>3 days</td>
<td>22 - 24 Sep 2004</td>
<td>5,470</td>
<td>ATCX</td>
</tr>
<tr>
<td>Maintenance Management</td>
<td>5 days</td>
<td>11 - 15 Oct 2004</td>
<td>8,970</td>
<td>ATCX</td>
</tr>
<tr>
<td>Aeronautical Telecommunication Network / Air Traffic Service Message Handling System</td>
<td>2 days</td>
<td>22 - 23 Nov 2004</td>
<td>2,020</td>
<td>ATCX</td>
</tr>
<tr>
<td>- Module I on Aeronautical Telecommunication Network</td>
<td>3 days</td>
<td>24 - 26 Nov 2004</td>
<td>3,010</td>
<td>ATCX</td>
</tr>
<tr>
<td>Flight Standards and Airworthiness</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aircraft Maintenance Programme</td>
<td>3 days</td>
<td>14 - 16 Apr 2004</td>
<td>3,660</td>
<td>RAH</td>
</tr>
<tr>
<td>Hong Kong Airworthiness</td>
<td>10 days</td>
<td>10 - 21 May 2004</td>
<td>10,000*</td>
<td>RAH</td>
</tr>
<tr>
<td>HKAR-145 Approved Maintenance Organization Workshop</td>
<td>5 days</td>
<td>22 - 26 Nov 2004</td>
<td>6,330</td>
<td>RAH</td>
</tr>
<tr>
<td>Air Services</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aircraft Noise Monitoring and Noise Mitigation Measures</td>
<td>2 days</td>
<td>11 - 12 Nov 2004</td>
<td>2,400</td>
<td>QGO</td>
</tr>
<tr>
<td>Air Services and Schedule Coordination in Hong Kong</td>
<td>1 day</td>
<td>7 Dec 2004</td>
<td>2,330</td>
<td>QGO</td>
</tr>
</tbody>
</table>

* Details of Venue:  
ATCX — Air Traffic Control Complex, Hong Kong International Airport, Lantau, Hong Kong  
PTB — Passenger Terminal Building, Hong Kong International Airport, Lantau, Hong Kong  
RAH — Regal Airport Hotel, Hong Kong International Airport, Lantau, Hong Kong  
QGO — Queensway Government Offices, Hong Kong

* Subject to confirmation  
Exchange rate as of April 2004: US$ 1 = HK$ 7.8 (approx)
If you wish to reserve a place on a training programme or find out more details, please either:

• refer to our website at www.info.gov.hk/cad

or

• contact our Training Center Administrator at the address below:

Hong Kong Civil Aviation Training Center
Civil Aviation Department
46/F Queensway Government Offices
66 Queensway
Hong Kong
China

Tel (852) 2182 1230
Fax (852) 2795 8469
Email hkcATC@cad.gov.hk
Website www.info.gov.hk/cad