

# AIRCRAFT CABIN INTEGRATOR



RNCP CODE: 40664

## JOB DESCRIPTION

Aircraft Cabin Integrators are responsible for assembling, installing and checking the components of an aircraft cabin, such as seats, electrical systems, lighting, interior decoration and other specific equipment. They ensure that all the different components are integrated in compliance with the quality and safety standards and technical specifications.

## MAIN TASKS

- Assembling and installing cabin equipment and fittings in accordance with technical drawings and procedures.
- Checking the compliance of the installations and carry out the requisite tests.
- Liaising with the design, production and quality control teams.
- Diagnosing and resolving technical problems encountered during integration.
- Ensuring production deadlines are met, while guaranteeing the quality of the work carried out.

## TRAINING PROGRAMME

### OBJECTIVES

The content of the training course is designed to teach trainees the skills needed to become an Aircraft Cabin Integrator, in order to validate the 6 specialisations required for the French Professional Qualification in Metallurgy (CQPM) "Aircraft Cabin Integrator" - MQ 2010 0289. For more information, please consult the *France Compétences* website (<https://www.francecompetences.fr>), specifying the French National Register of Professional Qualifications (RNCP) code corresponding to the course, which can be found in the downloadable programme available on the specific page devoted to the course. This will provide you with detailed information about the certification.

At the end of the course, trainees will be able to:

- Prepare, organise and identify their work in the aircraft.
- Install systems to protect the components that need to be integrated and the aircraft environment.
- Transport the components to the work area in the aircraft.
- Position, assemble, adjust, fix and/or dismantle components in the aircraft.
- Route and connect the different systems (water, air, oxygen, electricity, electric bonding, etc.) in the aircraft.

### TARGET AUDIENCE

This course is open to all types of profiles.

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## PREREQUISITES, enrolment conditions and deadlines

Candidates must be interested in manual trades in the aeronautical industry.

- French: Equivalent competence level "Elementary A2" (CEFR Global scale of common reference levels for skills)
- Mathematics: Equivalent level of competence to "Cycle 3" according to the French government gazette (*Bulletin Officiel*) of 26/11/2015.

*The Recruitment and Training Department reserves the right to accept any application that does not fully meet these pre-requisites, based on a study of the application and the candidate's interview.*

## DURATION

- Theoretical and practical training: 381 hours of on-site training.
- Practical internship: according to the schedule.
- Dates: according to the course schedule.

## ORGANISATIONAL ARRANGEMENTS

- Continuous on-site training – Course divided into modules
- Minimum number of trainees: 8 – maximum number of trainees: 12.
- Location: 3 rue Jules Védrières, 31400 TOULOUSE or on the customer's site.

## DISABLED ACCESS

For people with disabilities, tailor-made support can be provided to facilitate the training period. For any requests or information, please contact the Disability correspondent on the following number: +33 (0)6 21 67 66 25.

## TEACHING RESOURCES/METHODS

A classroom equipped with a video projector and interactive screen is provided for the duration of the training course. Trainees are given a summary of the course content.

For practical sessions, two aircraft sections and fully-equipped mechanical workshops are made available, as well as specific workshops for: two A380 doors, RAT, landing gear, etc.

A warehouse area is set aside to provide shared tools and consumables in order to ensure that the course runs smoothly; each trainee is provided with an individual toolbox.

The training centre also has: changing rooms for men/women/disabled persons, a canteen, a rest room and resource room equipped with 5 computer stations.

**Please note that there is a defibrillator in the training centre**

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## COURSE CONTENT

### TRADE-SPECIFIC TECHNOLOGY

#### Metrology

Reading a calliper  
Tightening, use of the torque-wrench  
Precautions for the use of torque-wrenches

#### Fasteners

Aeronautical fasteners  
ICA diameters and fastenings table  
2D adjustments, 3D adjustments  
Wire-locking, wire-lock pliers and fastening wire-locks

#### The work documents

Studying technical files  
Studying production documents  
Reading aeronautical drawings

#### ATA Chapters

ATA 21 Air Conditioning  
ATA 92 Electrical Connections  
ATA 35 Oxygen  
ATA 38 Water/Waste (drinking water and wastewater disposal)

#### Sealing

Corrosion  
NTF, Mylar, Floorsil, Dow Corning, Cosmoline

#### Aerospace technology

Description of a plane  
The different types of aircraft and engines  
Basic knowledge of aerodynamics  
- flight dynamics  
Construction of an aircraft

#### Workplace hygiene and safety

Gestures and posture  
FOD (Foreign Object Damage)

### Materials

Composite materials  
Non-ferrous aeronautical materials  
Water-repellent products  
Sealants

### Practical Work in Cabins

The components of the cabin  
Cabin technology and processes  
Identifying and being aware of the different work areas  
Preparing the work area  
Protection of the elements to be integrated  
Preparing the access path  
Installation, fastening: mounting and assembly  
2D adjustments, 3D adjustments  
Tightening  
Removal and remounting of components, maintenance  
Connecting up the different ATA systems  
Electric bonding, floor covering, Mylar, NTF welding

### TRAINING FOR THE CQPM ORAL EXAM

Simulations, role-playing, self-confidence

### Tests - Revision - Exercises - Mock oral exams

### Practical exam for the French Vocational Diploma (CQPM)

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## TRAINER BACKGROUND

Our trainers, who have significant experience in the aerospace sector and are experts in the area covered by the course, will be responsible for designing, developing and delivering the technical modules.

## COURSE ASSESSMENT AND SUPERVISION

The course is supervised by the Training Coordinator under the management of the Operations Manager at Derichebourg Aeronautics Training.

Continuous assessment of knowledge is carried out throughout the course via MCQs and practical simulations in workshops. Regular assessments are organised every 4 weeks, and the assessment tables can be sent to the parties responsible for funding of the course. The trainees take the CQPM examination, involving an interview with a panel of professionals.

## COURSE MONITORING SYSTEM

- Attendance sheet
- Course assessment by the trainees
- Training certificate