

AIRCRAFT PREPARER- ASSEMBLER



RNCP CODE: 39838

JOB DESCRIPTION

Aircraft Preparer-Assemblers are responsible for transforming the design-definition file into a manufacturing file for the assembly workshops. They play a key role in preparing and planning assembly operations, while ensuring compliance with all technical, quality, budget and deadline requirements.

MAIN TASKS

- Transforming the design-definition file into a manufacturing file for the assembly workshops.
- Analysing and translating the data provided by the Design Office.
- Drawing up optimised work instructions or technical sheets that comply with quality standards, costs and deadlines.
- Defining manufacturing and assembly methods and resources (processes, tools, lead times).
- Monitoring and providing technical support to the assembly workshops.
- Liaising with the Quality Department and Design Office to resolve any technical problems.

TRAINING PROGRAMME

OBJECTIVES

The aim of this training course is to give trainees the skills needed to become an Aircraft Preparer-Assembler, in order to validate the nine competences required for the French Professional Qualification in Metallurgy (CQPM) "Aircraft Preparer Assembler" - MQ 2014 04 31/44 0299. 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:

- Check that the design-definition file is complete and valid
- Prepare and exploit the information in the design-definition file
- Draw up the sequence of steps for aircraft assembly
- Identify the material resources required for an aircraft assembly
- Identify the manpower required to carry out an aircraft assembly
- Formally establish the production assembly processes/sequences required to carry out an aircraft assembly
- Validate the assembly process
- Provide technical support to assembly teams
- Provide corrective solutions to technical problems

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TARGET AUDIENCE

This course is aimed at employees in the aerospace sector.

PREREQUISITES, enrolment conditions and deadlines

- Hold a level-5 technical diploma or equivalent (2 years post Bacalaurate).
- Wish to retrain for work in the field of Manufacturing Engineering
- Technical English

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.

Trainees are selected through a recruitment process that includes an individual interview, a test to assess their general knowledge and a practical exercise related to the course. Candidates are sent a timetable setting out the training periods and dates and enrol on the course according to their availability. The timetables are also accessible on our internal website.

DURATION

- Theoretical and practical training: 480 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 room 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, ATR, 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

Aeronautical systems: basics

ATA aircraft systems
Definition of the Manufacturing Engineering profession
Industrial files
Visit to an assembly line

Industrial processes:

CAPM
(Computer-Aided Production Management)
Configuration management
General processes
(electrical, mechanical, structural)
3D DMU of aircraft
Contents of a design-definition file
Contents of a preparation file
Contents of a production file
Instruction sheets
Hazards (NC, DQN, tooling notices, etc.)
Quality feedback
Technical support survey

Monitoring exam preparation:

Support for preparing the CQPM exam

Exercises

Using CATIA, 3DX, SAP

Tests - Revision - Exercises - Mock oral exams

Practical exam for the French Vocational Diploma (CQPM)

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 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