

# QUALITY INSPECTOR



RNCP CODE: 39882

## JOB DESCRIPTION

Quality inspectors check and certify the compliance of products or pieces of final equipment. This job is extremely important in terms of safety. They ensure compliance with the reference systems and quality and safety standards in force, and recommend areas for improvement to guarantee product reliability and safety.

## MAIN TASKS

- Defining and applying control parameters in line with the technical documents, standards and guidelines in force.
- Carrying out rigorous checks to verify the compliance of the final product or equipment.
- Identifying and reporting any functional, contractual or regulatory non-compliances.
- Checking the completeness, accuracy and traceability of quality control documents, and ensuring that they are regularly updated.
- Liaising with support services, production and, if necessary, external experts in order to analyse non-compliances and propose corrective actions.
- Contributing to the continuous improvement of processes and procedures, as well as safety and quality standards.

## TRAINING PROGRAMME

### OBJECTIVES

This course aims to prepare trainees for the job of Quality Inspector.

The course content is designed to give trainees the skills needed to become a Quality Inspector, in order to validate the 5 specialisations required for the French Professional Qualification in Metallurgy (CQPM) "Quality Inspector" - MQ 2015 11 31 0306 R. 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:

- Carry out checks and certify the compliance of a product or piece of equipment.
- Manage the corresponding quality control documentation.
- Deal with every aspect of a non-compliance.
- Recommend areas for improvement within the scope of their activity.
- Liaise with the decision-making departments (Design Office, Preparation/Methods department, Quality Department, etc.) and production.

### TARGET AUDIENCE

This course is open to all types of profiles.

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## PREREQUISITES, enrolment conditions and deadlines

- Hold a level-5 technical diploma or equivalent (2 years post Baccaalaureate) in the field of aircraft construction, and have at least 6 months' professional experience in an area related to this certification;
- Hold a level-5 technical diploma or equivalent (2 years post Baccaalaureate) in the field of industry, and have at least 18 months' professional experience in an area related to this certification;
- Hold a level-4 technical diploma (Baccaalaureate level) in the aeronautical field, and have at least 24 months' professional experience in an area related to this certification.

*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: around 455 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, 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 technical training

Aeronautical Structure and Adjustment: Basics  
Aeronautical Wiring: Basics  
Aeronautical Cabin Integration: Basics  
Aeronautical Mechanics and Assembly: Basics

### Vocational training

Quality in industry  
EN 9100  
Quality control  
The different types of quality control  
Problem-solving  
Acceptance criteria and non-compliances  
Role of the Quality Inspector  
Reporting on results and suggesting improvements  
Metrology  
Measuring instruments and associated requirements  
Lean Management  
Curative treatment, corrective treatment  
Preparing the internship report

### English

Technical English – Notions

### Practical work

Manufacturing file  
Measuring  
Tests  
Inspection, Verification  
Detecting an anomaly  
Gap and flush inspections  
Declaring a non-compliance  
Corrective measures  
Determining preventive measures  
Case study  
Zone inspection on aircraft  
Specimen inspection  
Defect reports  
Possibility of studying the electrical, mechanical, structural and cabin modules in greater depth

### 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