

# WSQ Perform Liquid Penetrant Inspection (Basic)

## What is Aerospace WSQ

The Aerospace Workforce Skills Qualifications (WSQ) is a national skills training system developed by the Aerospace industry and the Singapore Workforce Development Agency (WDA).

It maps out the skills needed for a job in the Aerospace Maintenance, Repair & Overhaul (MRO) industry and the training you need to enter it. The system also shows how you can continue with skills upgrading to progress in your career in Aerospace.

## Course Synopsis

On completion of this Competency Unit (CU), learner will have the basic knowledge and basic application skills in performing liquid penetrant inspection using appropriate tools, materials and methods meeting NAS410 / EN4179 requirements.

Summary of the Competency Elements covered:

- ➔ Prepare for penetrant inspection
- ➔ Carry out penetrant inspection
- ➔ Record and report results
- ➔ Carry out post-inspection and cleaning activities

This is the Specialisation Elective Competency Unit (CU) that is required to attain the **WSQ Higher Certificate in Aerospace** (Aircraft Maintenance - Mechanical), (Component Repair and Overhaul - Mechanical) or (Engine/ Engine Component Repair and Overhaul), a national qualification awarded by WDA.

## Course Content

1	Introduction to Liquid Penetrant Testing
2	Liquid Penetrant Testing Methods
3	Liquid Penetrant Testing Equipment
4	Liquid Penetrant Processing
5	Types of Discontinuities
6	Competency tests

## Who Should Attend

This is for personnel who wish to bridge their skills gaps or to pursue employment opportunities in the Aerospace Maintenance, Repair & Overhaul (MRO) industry.

## Course Duration

2 training days

## Certification

Participants who successfully complete this unit will receive a WSQ Statement of Attainment (SOA) in WSQ Perform Liquid Penetrant Inspection (Basic) issued by WDA.

## Funding

90% of the Course Fees (*Eligibility criteria apply, please visit [www.wda.gov.sg](http://www.wda.gov.sg) or contact us*)