



AEROSPACE RECOMMENDED PRACTICE

ARP6240

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Training for Quality Control of
Overhaul Chemical Process Operators (Parts Cleaners)

RATIONALE

There is a close relationship between part cleaning and most non-destructive inspection techniques. The FAA requested SAE Committee J to develop and issue a training guideline for chemical process operators in the parts cleaning area as this is generally considered unskilled labor and in the past, little or no training had been provided or recommended. Since overhaul cleaning is a critical process step prior to visual and fluorescent penetrant inspection processes, consideration must be given to minimum levels of training for these process operators. The FAA plans to refer to this document in future shop audits of the parts cleaning areas.

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1. SCOPE

The task of chemical process operator in the parts cleaning area is generally considered unskilled labor and in the past, little or no training had been provided or recommended. Since overhaul cleaning is a critical process step prior to visual and fluorescent penetrant inspection processes, consideration must be given to minimum levels of training for these process operators. It is the responsibility of the department supervisor to ensure that all personnel within the department are trained to acceptable level in all general aspects of health and safety and basic operating procedures.

This document is intended to augment the local quality control system which will control the application and frequency of the guidelines stated within.

1.1 Purpose

To provide an outline for training chemical process operators to insure an acceptable level of understanding and proficiency within the existing production process system.

2. REFERENCES

There are no referenced publications specified herein.

3. GUIDELINES FOR TRAINING CHEMICAL PROCESS OPERATORS

3.1 Basic Operator Requirements

3.1.1 Physically fit enough to carry out any component handling requirements.

3.1.2 Literate enough to read, and understand, any relevant process specifications and accompanying flow charts.

3.1.2.1 The operator shall be able to demonstrate his/her understanding of the planning/router by reading and then following the instructions on an example of a typical chemical process line router.

3.1.3 Numerate enough to read, and understand, any relevant process specification and accompanying flow charts.

3.1.3.1 The operator shall be able to demonstrate his/her understanding of the planning/router by reading and then following the instructions on an example of a temporary/marked-up process router that is an example of an exception to the normal chemical processing document.

3.1.4 Operator shall be capable of adequately distinguishing and differentiating colors used in the process.

3.1.5 Operator shall understand the differences between acids and alkalis and their effects on parts.

3.2 Qualification Requirements for Operators

3.2.1 Initial qualification of operators shall determine the level of introduction training for each job assignment.

3.2.1.1 Test shall be conducted to qualify operator for tank cleaning operations in initial qualification period.

3.2.1.2 The operator shall be qualified to perform processes for which he/she successfully completed the test.

3.2.2 Operators shall be re-qualified at least once every 12 months and when new cleaning process has been introduced or current process significantly changed.

3.2.2.1 Operator failing the re-qualification test shall be allowed a second test in the same process within 3 week period.

3.2.2.2 An operator that fails a second test shall undergo further training and shall only be permitted to perform process operations under supervision until successfully re-qualified.

3.2.2.3 Remedial training shall be designed to rectify an employees' demonstrated lack of knowledge or skill.