

1) There is a failure of leak test in Thermal Btg.

a) ~~100%~~ The organization shall retain documented information

1) describe non conformity

2) describe the action taken.

3) describes any concessions obtained.

4) Identified the authority deciding the action in respect of the non conformity.

Clause - 8.7

b) (i) defining the responsibility and authority for the review and disposition of nonconforming outputs and the process of approving persons making these decisions.

(ii) Taking action necessary to contain the effect of the nonconformity on other processes, product & services.

(iii) timely reporting of nonconformity affecting delivered products and services to the customer and relevant parties.

(iv) defining corrective actions for nonconforming product and services detected after delivery as appropriate their impacts (10%).

(V) Non conformity and corrective action

- 1) Take action to control and correct it.
- 2) Deal with the consequences.

(vi) Evaluate the need for action.

- 1) reviewing and analyzing the non conformity.
- 2) those Related human factors.
- 3) Similar nonconformities exist
- 4) Implement any action needed.
- 5) Review the corrective action taken.

c) The organization shall ~~retain~~ continually improve the suitability, effectiveness of QMS.

1) The organization shall monitor the ~~imple~~ implementation of improvement activities and evaluate the effectiveness of the results.

2) Effects of counterfeit on production?

clause 10-8.1.4

a) Purchase and Quality Control Depart

i) ~~training of~~ Counterfeit Part Prevention Processes should consider:

- ii) Training of appropriate persons in the awareness and prevention of counterfeit parts
- iii) application of a parts obsolescence monitoring program.

iv) controls for acquiring externally provided product from original or authorized manufacturers and distributors or other approved sources.

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v) requirements for assuring traceability of parts and components to their original and authorized manufacturers.

vi) verification and test methodology to detect counterfeit parts.

vii) monitoring of counterfeit parts reporting from external sources.

viii) quarantine and reporting of suspect or detected counterfeit parts.

b) Purchase Role :-
 1) Vendor Assessment
 2) Check Packaging
 3) Authorized dealer and Suppliers

Quality control :-
 1) Inspect Incoming components, material for visual discrepancy, documentation against known manufacturer details with purchase department.

1) Collection and analysis of in service data.

2) Control updating and provision of technical documentation product use,

3) maintenance repair and overhaul.

When problems are detected after delivery, the organization shall take appropriate action including investigation and reporting.

4) Customer complaint about Thermal Bly failure.

Ans: a) Responsible Department :- Quality control

Additionally customer support plays a critical role in handling, supply and manufacturing also be involve dependently on the nature of the issue.

(i) Customer complaint acknowledge.

(ii) Investigate root cause with QC.

(iii) Communicate the finding to the customer.

(iv) Implement corrective action.

b) Analyze & Address Risk:-

(i) Risk to customer Reputation. Investigation thoroughly to prevent further failures and communication with customer.

c) Prevent recurrence:- Improve testing, check suppliers and training and process control to prevent similar issues.

d) clause - 8.7 Control of Nonconforming outputs
Necessary documents:- Inspection Report, corrective action, customer communication

5) If key supplier for critical materials faces a shortage, responsible departments to address this are:

① Purchase Department:- follow up suppliers.

(ii) QC - meet Quality Standards, Product design or processes, delivery

(iii) Delivery schedule and customer requirements

② Purchase, QC, Regulatory compliance, TOP management.

b) Evaluating Alternate Suppliers:-
① Identify suppliers and assess the capabilities.

② Conduct audits and AS9100.

③ QC Inspection.

4) Risk Assessment to evaluate impact ^{69.8} on.

Quality and delivery

5) Approval Engage relevant departments to approve the alternate supplier

AS 9100 D clause :- 8.4 (Control of CPPPS)

Supplier ensure they meet the required quality standards
6) Material Defect Identified During Inspection

a) (i) Responsible Department :- Quality control and Production Engineer handle non conformity materials.

Steps

(i) Quarantine the defective batch

(ii) Root cause Analysis.

(iii) Material specification.

(iv) Check store stock.

(v) Estimate the production delay.

(vi) Suppliers follow up.

(vii) Communicate production people.

b) Verify of similar materials usage in previous batches.

(i) Incoming Inspection Report.

(ii) Chemical Analysis Report on a sample of previous used materials.


(iii) Batch numbers, COA, Log sheets to identify used in production.

6) Prevent measures :-

- i) Supplier audit
- ii) Specification.
- iii) Sample testing.
- iv) Supplier performance.

7) Key material used in Thermal Btg.

a) i) Thermal, Electrical, chemical.

b)  chemical and mechanical testing to ensure equivalence

c) Thermal, Electrical.

d) Managing risks - Regulatory and military compliances.

Choose the correct answers

1) a ✓

2) b ✓

3) c ✓

4) d ✓

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