Australian Government

ICPSUP389 Undertake basic root cause analysis

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to contribute to an advanced maintenance strategy.

It applies to individuals who work in an organisation and apply competitive manufacturing strategies. This involves taking responsibility for their work processes, undertaking basic root cause analysis of problems and generally contributing to overall equipment efficiency (OEE).

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Unit Sector

Support

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Recognise problem	1.1 Equipment/plant condition is monitored according to enterprise procedures 1.2 Product is monitored against quality standards and job specifications 1.3 Conditions/product characteristics indicative of a problem are identified 1.4 Existing work-based problem and/or practice is recognised
2. Implement quick fix	2.1 Immediate problem is controlled/contained 2.2 Quick fix is recommended within scope of competency and authority

ELEMENT	PERFORMANCE CRITERIA
3. Determine root cause	3.1 Range of possible causes are identified
	3.2 Information is gathered to eliminate/confirm causes
	3.3 Assistance is sought as required according to level of responsibility and personal capabilities
	3.4 Root cause is identified based on examination of the above
4. Develop permanent solution	4.1 Range of methods of eliminating root cause/breaking the cause tree is identified
	4.2 Most appropriate solution is selected based on machinery capabilities, material requirements and job schedules
	4.3 Relevant people are liaised with to confirm decision, if required
	4.4 Solution is recommend/implemented within limits of competency and authority
	4.5 Implementation is monitored and improvements are made as required

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.2, 3.2, 4.2	• Recognises relevant text within job specifications and organisational procedures and follows written instructions
Writing	2.2, 4.1, 4.4	• Uses clear, specific and industry related terminology to complete and update workplace documentation
Oral Communication	2.2, 3.3, 4.3, 4.4	• Participates in verbal interactions using language, tone and vocabulary appropriate to audience and environment
Navigate the world of work	1.1, 1.2, 2.2, 3.3, 4.4	• Adheres to enterprise policies procedures and standards • Understands nature and purpose of own role and associated responsibilities and how it contributes to the work of others in immediate work context • Seeks advice about procedures and expectations when

		taking on new tasks or roles	
Interact with others	2.2, 3.3, 4.3, 4.4	• Collaborates and cooperates with others to achieve joint outcomes	
Get the work done	1.1, 1.3, 1.4, 2.1, 2.2, 3.1, 3.2, 3.4, 4.1, 4.2, 4.5	• Takes responsibility for planning, organising, implementing and monitoring tasks required to achieve required outcomes • Uses common digital systems to analyse data • Initiates standard procedures when responding to problems within immediate context • Reviews outcomes of decisions to identify opportunities for improvement	

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPSUP389 Undertake basic root cause analysis	ICPSU389C Undertake basic root cause analysis	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d