



Australian Government

ICPSUP583 Troubleshoot and optimise the production process

Release: 1

ICPSUP583 Troubleshoot and optimise the production process

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 troubleshoot and optimise the production process. This unit focuses on systems analysis and design.

It applies to individuals who perform a broad range of skilled tasks relating to the printing and graphic arts industry, and who may also provide leadership and guidance to others in the application and planning of the skills. They evaluate and recommend changes to the production process, and adjust and tune machinery to make efficiency gains.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Evaluate production for efficiency purposes	1.1 Machine operations, staff and production process organisation are evaluated on an ongoing basis to make production efficiency gains 1.2 Production schedule is analysed according to production output, inventory, procurements, time constraints, supply capacities and requirements 1.3 Quality standards and safe work practices are examined to ensure compliance 1.4 Changeover/make ready processes are reviewed for production efficiency gains

ELEMENT	PERFORMANCE CRITERIA
	1.5 Recommendations covering the above areas are developed and documented
2. Optimise production efficiency	2.1 Compliance to specified requirements is checked to ensure efficiency is maintained 2.2 Non-compliance is identified and investigated to determine causes 2.3 Production standards or machines are set and/or changed according to enterprise procedures 2.4 Changeover/make ready times and processes are monitored to ensure times are maintained or improved 2.5 Production schedule is monitored and adjusted according to production output, inventory, procurements, time constraints and supply capacities and requirements to ensure efficiency is maintained
3. Troubleshoot production efficiency problems	3.1 Corrective or preventive action is implemented where appropriate 3.2 Changes are communicated to relevant personnel in a logical and easily understood manner 3.3 Changes are monitored and adjusted to confirm improvement to production efficiency
4. Troubleshoot material and machining problems	4.1 Evaluation of material or product structure is conducted to identify options for production and required tuning and adjustments are completed 4.2 Idiosyncrasies of machines are reviewed and adjustments or tuning undertaken to compensate or to exploit the idiosyncrasy within the manufacturer's specifications 4.3 Options are assessed to determine most effective/efficient method of production, ensuring highest quality and yield from materials and ease of production 4.4 Options and recommendations are documented for future reference according to enterprise procedures
5. Document changes and remedies	5.1 Changes to production process are documented according to enterprise procedures 5.2 Adjustments to machines are recorded according to enterprise procedures 5.3 Documentation is circulated according to enterprise procedures, if 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	1.1-1.5, 2.1-2.5, 3.2, 4.4, 5.1-5.3	- Interprets and comprehends information in a range of texts including relatively complex workplace policies and procedures - Examines records to determine compliance
Writing	1.5, 2.3, 2.5, 3.3, 4.1, 4.4, 5.1, 5.2	Uses clear, specific and industry related terminology to complete and update workplace documentation
Oral Communication	3.2	Provides clear explanations using language appropriate to audience and environment
Numeracy	1.4, 2.4, 2.5, 4.2, 4.3	Uses simple mathematical calculations and arranges numerical information sequentially when dealing with time constraints and machine optimisation
Navigate the world of work	1.3, 2.1, 2.3, 4.4, 5.1-5.3	- Takes full responsibility for compliance with organisational policies and procedures - Understands how own role meshes with others and contributes to broader work goals
Interact with others	3.2, 5.3	Identifies requirements of important communication exchanges, selecting appropriate channels, format, and content to suit purpose and audience
Get the work done	1.1, 1.2, 1.5, 2.2-2.4, 3.1, 3.3, 4.1-4.3	- Develops plans to manage relatively complex, non-routine tasks with an awareness of how they contribute to operational and strategic goals - Uses systematic, analytical processes to solve problems in complex, non-routine situations; setting goals, gathering relevant information and identifying and evaluating options against agreed criteria - Recognises and anticipates an increasing range of familiar problems and develop contingency plans for implementation, as required - Reflects on how digital systems and tools are used, or could be used to achieve work goals

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPSUP583 Troubleshoot and optimise the production process	ICPSU583C Troubleshoot and optimise the production process	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>