

Specification of Competency Standards
for the Manufacturing Technology Industry
Unit of Competency

Functional Area - Process Design and Development

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| Title | Manage and continuously improve process design knowledge |
| Code | 106587L5 |
| Range | This unit of competency is applicable to all corporations of Manufacturing Technology Industry. Practitioners should be capable to master the relevant knowledge of process management, standardise and continuously improve the process design level |
| Level | 5 |
| Credit | 6 (For Reference Only) |
| Competency | <p>Performance Requirements</p> <p>1. Understand the relevant knowledge of process design management</p> <ul style="list-style-type: none"> • Understand the concept of knowledge management • Understand the principles of each step of production process, operation and products precautions • Understand the latest manufacturing technology and process design methods of the industry • Understand the advantages and limitations of all kinds of process • Understand all kinds of computer systems which are relevant to knowledge management <p>2. Manage and continuously improve process design knowledge</p> <ul style="list-style-type: none"> • Record the appropriate process design of different products, including technical considerations, cost considerations, time considerations, and resource considerations • Appropriately process a logical representation of the design with all kinds of charts and tables • Formulate, organize and regularly update the process design manual, in accordance with the actual situation, formulate develop a simple process design guidelines • ensure all relevant staff clearly understand the latest industry processes and continuous improve the process • Examine the applicability of knowledge management which related to computer systems on corporation process design, and also provide recommendations to management <p>3. Professional handling of Managing and continuously improving process design knowledge</p> <ul style="list-style-type: none"> • Ensure the formulated process information of the design manual is the latest version and accurate • Ensure the formulated Process Design Manual is up with the times, and can improve the efficiency of the design and development process |
| Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to formulate the Process Design Manual and continuously improve the process. • Capable to manage and update the corporate Process Design Manual, and effectively convey the related staff. |
| Remark | |