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**GD0J 23 SVQ 3 Process Engineering Maintenance (Instrument and Control) at SCQF Level 7 - Structure**

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| To achieve the qualification candidates must complete 12 Units in total. This comprises:  8 Mandatory Units  4 Optional Units |

Please note the table below shows the SSC identification codes listed alongside the corresponding SQA Unit codes. It is important that the SQA Unit codes are used in all your recording documentation and when your results are communicated to SQA.

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| **Mandatory Units: Candidates must complete 8 Units** | | | | |
| **SQA code** | **SSC code** | **Title** | **SCQF level** | **SCQF credits** |
| FP3J 04 | COGPEM26 | Hand Over Process Engineering Plant and Equipment | 6 | 5 |
| FP3K 04 | COGPEM27 | Reinstate the Work Area after Completing the Maintenance of Process Engineering Plant and Equipment | 6 | 5 |
| FP3L 04 | COGPEM28 | Minimise Risks to Life, Property and the Environment | 6 | 7 |
| FP3M 04 | COGPEM29 | Work Safely, Minimise Risk and Comply with Emergency Procedures | 6 | 6 |
| FP3P 04 | COGPEM30 | Contribute to Effective Working Relationships | 6 | 2 |
| FP64 04 | COGPEM65 | Carry Out Planned Maintenance Procedures on Instrument and Control Systems | 7 | 8 |
| FP65 04 | COGPEM66 | Deal with Variations and Defects in Instrument and Control Systems | 7 | 6 |
| FP66 04 | COGPEM67 | Diagnose and Determine the Causes of Faults in Instrument and Control Systems | 7 | 8 |

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| **Optional Units: Candidates must complete 2 Units from this group** | | | | |
| **SQA code** | **SSC code** | **Title** | **SCQF level** | **SCQF credits** |
| FP3R 04 | COGPEM31 | Prepare Work Areas for Engineering Activities | 6 | 7 |
| FP67 04 | COGPEM68 | Prepare Equipment Required for Maintaining Instrument and Control Systems | 6 | 5 |
| FP68 04 | COGPEM69 | Prepare Materials Required for Maintaining Instrument and Control Systems | 6 | 4 |
| FP69 04 | COGPEM70 | Adjust Instrument and Control Systems to Meet Operational Requirements | 7 | 6 |
| FP6A 04 | COGPEM71 | Remove Components from Instrument and Control Systems | 7 | 6 |
| FP6C 04 | COGPEM72 | Replace Components in Instrument and Control Systems | 7 | 6 |
| FP6D 04 | COGPEM73 | Determine the Feasibility of Repair of Components from Instrument and Control Systems | 7 | 6 |

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| **Optional Units: Candidates must complete 2 Units from this group** | | | | |
| **SQA code** | **SSC code** | **Title** | **SCQF level** | **SCQF credits** |
| FP6E 04 | COGPEM74 | Interpret Detailed Instrument and Control Information from Technical Sources | 7 | 4 |
| FP6F 04 | COGPEM75 | Read and Extract Information from Instrument and Control Engineering Drawings and Specifications | 7 | 6 |
| FP6G 04 | COGPEM76 | Identify and Suggest Improvements to Working Practices and Procedures Whilst Maintaining Instrument and Control Systems | 7 | 6 |
| FP6H 04 | COGPEM44 | Establish that an Instrument and Control Engineering Maintenance Process has been Completed to Specification | 7 | 6 |
| FP6J 04 | COGPEM77 | Test the Performance and Condition of Instrument and Control Systems | 7 | 6 |
| FP6K 04 | COGPEM78 | Monitor the Performance and Condition of Instrument and Control Systems | 7 | 7 |
| FP6L 04 | COGPEM79 | Assess the Performance and Condition of Instrument and Control Systems | 7 | 7 |
| FP6M 04 | COGPEM80 | Inspect Instrument and Control Systems | 7 | 6 |