

Built Environment Functional Map Analysis (Sept. 08)											
Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	ECITB	BESA SSCs/SSBs	EUSSkills	ProSkills	SummitSkills
A Review, develop and implement strategies, policies and legislative controls for the planning, development and sustainability of the natural and built environment	A1 Monitor changes and needs and develop and test strategic planning and development options in the natural and built environment		A11 Monitor, forecast, review and evaluate changes and needs in the environment	A11.1 Establish monitoring and review mechanisms A11.2 Monitor and review changes in the environment					GLPG 1.1/2/3/5/R1.1/W1.1 Forecast trends in the global & UK gas market/recycling sector/UK water sector GLPG 1.2/R1.2/W1.2 Identify & investigate factors influencing the development of the UK gas industry/recycling sector/UK water sector GLPG 1.3/R1.3/W1.3 Obtain & analyse feedback on performance, services & supply GLPG 1.4/R1.4/W1.4 Identify & evaluate opportunities to improve, supplies, services and products GLPG 3.1/R4.1-4.4/W4.1-4 Review capacity & capability of the gas network/recycling services and facilities/water supply, distribution, collection, plant R2.1 Forecast influences on and trends in policy on the management of recycling assets and related resources R2.2 Identify and investigate factors influencing the management of recycling assets and related resources R2.3 Obtain and analyse feedback on performance in the management of recycling assets and related resources R2.4 Identify and evaluate opportunities to improve the management of recycling assets and related resources R4.5/W4.5 Review and compare performance against key indicators R18.1 Maintain quality monitoring and recording systems W1.1 Forecast Future Demand W1.2 Forecast influences on and trends in policy on the management of water assets, and related resources including rivers and the coastal and natural environment W12.2 Identify and investigate factors influencing the management of water assets, and related resources including rivers and the coastal and natural environment W12.3 Obtain & analyse feedback on performance in the management of water assets and related resources including rivers and the coastal and natural environment W12.4 Identify & evaluate opportunities to improve the management of water assets, and related resources including rivers and the coastal and natural environment	MPG2.1 Forecast demand for resources for manufacturing and processing facilities	
			A12 Develop and test planning and development strategy and policy options in the natural and built environment	A12.1 Evaluate the need for changes to policies, operations and legislation A12.2 Identify and consult on strategy options A12.3 Evaluate and recommend strategy options	FM.1.1 Forecast future demand FM.2.1 Develop strategies for change in facilities management services			GLPG 1.1.4 Produce and test models of the gas market GLPG 2.2/R3.2/W3.2 Develop policies and strategies for the development and management of the UK gas industry/recycling sector/water industry R2.1.2&4-5 Develop Strategies for Change in Waste Management Services W1.2 Develop Policies W2.13 Establish a Communication and Consultation Strategy			
			A13 Test the suitability of planning and development strategy and policy options	A21.1 Select forecast models to test the suitability of strategy options A21.2 Develop forecast models to test the suitability of strategy options							
	A2 Develop planning, development and sustainable management policies, proposals and legislative controls in the natural and built environment		A21 Develop planning and development policies, proposals and legislative controls for implementation	A22.1 Develop plans for the implementation of strategies A22.2 Promote and support policy implementation A22.3 Monitor the implementation of policies and proposals	FM.1.2 Develop policies				GLPG 3.2 Agree the development of the gas network GLPG 3.3 Review and agree changes in LPG/LNG supply R20.2/W22.1 Manage demand for services through incentives and regulation W1.4.1-5 Develop Regulations W2.1.3 Prepare statutory measures to promote and support waste management policies (fiscal, legal) W3.5 Develop plan of influence for achieving policy change		
			A22 Evaluate resources, policies and proposals for sustainable development and management of the natural and built environment	A23.1 Identify and evaluate resource availability A23.3 Assess the environmental impact of development proposals				GLPG 4.2.10 Carry out environmental impact assessment GLPG 4.8.1/R25.1.1 Prepare environmental impact assessments R3.4 Contribute to development of national and regional environmental policies, legislation and plans R35.1/W39.1 Contribute to the sustainability, maintenance and preservation of the natural and historic environment W13.4 Develop environmental management policies, plans and controls W19.1.1 Prepare environmental impact assessments	R3 Recommend and support environmental improvements in extractive industries sites MPG2.1 Monitor the environmental impact of manufacturing and processing facilities WB3 Monitor and maintain environmental conditions in your area of responsibility		
	A3 Develop and implement policy, regulatory and sustainability support and control systems in the natural and built environment		A31 Develop and implement procedures to support and promote policy, regulation and sustainability in the natural and built environment	A31.1 Develop procedures and criteria to meet policy guidelines A31.2 Provide guidance and advice about policy, regulatory requirements and procedures A31.3 Establish and maintain appeals procedures A31.4 Develop and maintain the level of incentives to support policy implementation					GLPG 4.3 Specify information management and systems requirements GLPG 4.6 Specify new or improved operating procedures & servicing plans GLPG 14.6 Develop operating procedures & servicing plans GLPG15.3.6 Specify standards for safety, health & environmental protection GLPG17.4.2 Provide advice on the development and implementation of energy policies GLPG17.4.3 Promote energy efficiency GLPG17.4.6 Provide advice and support for the development of energy efficient practices GLPG17.4.7 Provide advice and support for the development and implementation of systems to measure energy usage GLPG17.4.8 Provide advice and support for improving energy efficiency R20.3/W22.3 Influence demand for services through education and information R22.1 Establish and promote recycling services W1.4.6 Develop guidance to support education and awareness raising W2.2 Develop Systems to Support and Encourage Compliance W17.13 Advise customers on water processing and treatment systems W12.2 Influence demand for services through education and information W12.3 Monitor and evaluate treatment processes W12.4 Provide information on navigable waterways W12.5 Establish and promote amenity services		
			A32 Determine and enforce compliance with statutory and policy requirements	A32.1 Determine action and responses to reflect statutory and policy requirements A32.2 Evaluate and determine applications A32.3 Monitor and enforce compliance with statutory and policy requirements A32.4 Process and determine applications for incentives				R22.2 Maintain the compliance of recycling services R24.3/W38.2 Inspect facilities and operations for regulatory compliance W4.18 Licence Waste Disposal Operations W16.1 Evaluate applications for licences to operate W16.2 Process applications for licences to operate W19.2 Inspect for compliance with water quality standards W19.3 Inspect for compliance with effluent and discharge standards W12.3 Enforce compliance on treatment processes W12.4 Process approvals for treatment processes W12.5 Maintain the compliance of amenity uses			
			B11 Monitor and evaluate property investment performance and asset development options	B41.1 Monitor and control property investment portfolio performance B41.2 Contribute to future property investment strategy B41.3 Identify property investment and disinvestment opportunities R41.1 Develop and assess the suitability of investment opportunities	FM.5.1 Manage assets			PM 2 Identify and evaluate options for the project PM 3 Prepare the business case for undertaking a project	R4.6 Review opportunities to develop assets R6.4.6 Carry out a financial appraisal R29.1.1-5/W5.1.1-5/W33.1 Manage assets W4.6 Review opportunities to develop assets and asset utilisation	MPA1.1 Evaluate options for developing manufacturing and processing facilities	
	B1 Identify and evaluate investment options, project requirements, funding and procurement arrangements for sustainable development projects		B12 Identify and evaluate stakeholder, user, community and sustainability project requirements	A23.2 Investigate and evaluate sustainable development requirements B11.1 Identify, assess and agree project requirements and stakeholder preferences B11.2 Identify and assess user factors B11.3 Identify and assess ergonomic factors B11.4 Identify and assess community factors				PM 1 Develop strategic objectives for the project	GLPG 4.1 Agree client requirements GLPG 10.2.1 Establish customers' needs and expectations R6.1.3/6.2.4/6.3.4/6.4.5 Specify data requirements/select and agree methods/prepare for/carry out an assessment of customer, community and organisational needs W4.3.1 Verify requirements W4.4.1 Verify requirements for development of an existing facility W4.5.1 Implement plans for engaging interested members of the community	MPD1.1 Identify customer requirements for products	
			B13 Assess options and secure funding for capital development	B43.1 Identify and assess capital funding requirements B43.2 Identify and recommend capital funding options				R25.2.1/W129.3.1 Assess and recommend options for capital funding R25.4 Secure grants for the development of resources and recycling services provision W129.5 Secure grants for the development of resources and amenity provision	MPA1.4 Secure investment to develop manufacturing and processing facilities		
			B14 Establish arrangements for procurement of sustainable projects	B12.1 Select and agree a procurement procedure with stakeholders A23.4 Establish arrangements for sustainable development B12.2 Establish project team partnering B12.3 Recommend and agree a form of contract			PC23 Establish project procurement requirements PM 22 Select and agree a procurement strategy and procedure(s) PM 23 Recommend and agree the type and conditions of contract	R23.1 Evaluate and advise on procurement options R23.2 Agree procurement routes for works, services and supplies R23.3.2 Prepare and implement partnering agreements R28.2/W32.2 Manage partnership arrangements W4.3.3 Agree a contractual procurement route W127.1.1 Agree a procurement strategy			
	B2 Prepare project briefs and development programmes		B13.1 Prepare and present a proposal for a project brief	B13.2 Prepare a programme which meets the requirements of the project brief				PC22 Develop the project programme PC25 Prepare the project programme PM 4 Prepare a project brief PM 11 Prepare the specification of requirements	R5.1 Prepare plans R25.3.1 Prepare programmes W2.10.1 Prepare a development brief W4.4.3 Prepare and agree a development plan and a programme for implementation W15.1.1 Plan development and replacement projects	MPA1.5 Plan the development of manufacturing and processing facilities MPD3.2 Plan projects in manufacturing and processing facilities SMDDC01 Negotiate and agree the brief and development programme	

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B Establish stakeholder requirements and influencing factors and develop and design sustainable development projects	B2 Plan, coordinate and manage project development processes	B22 Establish and coordinate the project development teams and processes	B22.1 Select and form a project team	B14.1 Select and form a project team			PC26 Determine the requirements for project control PC27 Establish procedures, methods and systems PC28 Apply procedures, methods and systems PC29 Develop commercial control procedures PM 8 Establish the requirements of the project management team PM 9 Establish the project team's working methods and monitor performance PM 10 Develop operational objectives for the project	GLPG 4.4.17 Co-ordinate the design development process W17.7.1 Co-ordinate process design and development programmes	MPA1.8 Oversee the development of manufacturing and processing facilities SMDDC02 Establish and brief the development team MPD3.3 Manage projects in manufacturing and processing facilities				
			B22.2 Establish and coordinate the project development teams and processes	B14.2 Induct and brief a project team B14.3 Establish and monitor project team working methods									
		B23 Assess and manage project risks and opportunities	B23.1 Assess project risks	B15.1 Assess project risks	FM.1.5 Assess risk			PC3 Identify risks and evaluate options for their control PC4 Monitor risks and review contingencies PC5 Monitor the implementation of risk control measures PM 5 Establish and maintain a culture of risk awareness PM 6 Identify strategic risk and evaluate options for minimising project risk PM 7 Review the effectiveness of measures for controlling risk PM 18 Monitor risks and review the effectiveness of measures for controlling them PM 19 Identify perceived risks and evaluate options for their control PM 20 Monitor risks and review contingency plans and actions	GLPG 4.2.11 Prepare a risk assessment W1.5 Assess Risk	SMDDC03 Identify, assess and plan to manage project risks and opportunities			
			B23.2 Specify and implement methods and procedures to manage project risk	B15.2 Specify and implement methods and procedures to manage project risk									
		B3 Survey, map and test characteristics of the natural and built environment	B31 Plan measured surveys	B31.1 Identify survey and information requirements	B21.1 Identify survey and information requirements					GLPG 4.2.1 Select, plan and commission surveys GLPG 10.2.5 Arrange for site inspections and surveys	SMDDC04 Identify, commission and plan measured surveys		
				B31.2 Select and plan survey processes and operations	B21.2 Select and plan survey processes and operations								
				B32 Collect, analyse and present measured survey data	B32.1 Prepare for survey operations	B22.1 Prepare for survey operations					GLPG 4.2.2 Collect, analyse and present survey data	MPF3.1 Survey the installation site SMDTS02 Collect, analyse and present development site survey data	
					B32.2 Observe and record measurements	B22.2 Observe and record measurements							
				B32.3 Analyse and present survey data	B22.3 Analyse and present survey data								
			B33 Plan spatial data processes	B33.1 Identify mapping and data requirements	B23.1 Identify mapping and data requirements						SMDDC05 Identify, commission and plan the acquisition of spatial data		
				B33.2 Select and plan mapping processes and operations	B23.2 Select and plan mapping processes and operations								
			B34 Assess and present spatial data	B34.1 Assess and compile mapping data	B24.1 Assess and compile mapping data						SMDTS03 Assess and present spatial data for mineral development		
				B34.2 Process and present mapping data	B24.2 Process and present mapping data								
			B35 Plan physical tests	B35.1 Plan test requirements, data standards and outputs	B25.1 Plan test requirements, data standards and outputs				NDT8: Review an engineering activity to determine the NDT requirements NDT9: Specify the NDT requirements for the engineering activity NDT10: Determine technical requirements to achieve NDT objectives NDT11: Determine resource requirements to achieve NDT objectives	GLPG 4.2.6 Select, plan and commission physical tests R6.1.2 Specify data requirements from physical surveys R6.2.2 Select and agree methods for physical investigations R6.3.2 Prepare for site investigations	SMDDC06 Research, commission and plan physical tests		
		B35.2 Select, plan and monitor test processes		B25.2 Select, plan and monitor test processes									
		B36 Test and report on physical characteristics		B36.1 Prepare locations and equipment for physical testing	B26.1 Prepare locations and equipment for physical testing				MPS Elec 18: Test the performance and condition of electrical plant and equipment MPS Elec 19: Analyse test results relating to electrical plant and equipment MPS Inst 17: Test the performance and condition of instrument and control systems MPS Inst 18: Analyse the test results relating to the tested instrument and control systems MPS Mech 19: Test the performance and condition of mechanical plant and equipment MPS Mech 20: Analyse test results relating to mechanical plant and equipment NDT1: Prepare work areas for NDT activities NDT2: Prepare materials required for NDT activities NDT3: Prepare equipment and consumables required for NDT activities NDT4: Reinstigate the work area after completing NDT activities NDT6: Inspect engineering components plant for discontinuity using NDT techniques NDT7: Deal with variations and defects in engineering products or equipment identified using NDT techniques 2001.4 Conduct testing to assess weldability 2001.5 Evaluate the results of weldability tests	GLPG 4.2.7 Collect, analyse and present test data GLPG 5.6.6 Test work sections GLPG 5.6.7 Test gas plant & equipment GLPG 5.7.4 Test gas plant & equipment GLPG 5.8.3 Test gas storage facility GLPG 5.11.1 Conduct tests R6.4.2 Carry out a site investigation R6.4.3/W1 7.4.3 Conduct physical tests R17.2/W19.5 Obtain and test samples	CWP8/M2M26/P8 Carry out simple testing operations CWP10/M2m27 Carry out simple sampling operations CWP21 Analyse and interpret the results of tests on process products or equipment MPB3.3 Test the quality of products SFLP1 Produce profiles of faces SMDTS04 Test and report on physical and geotechnical characteristics	Test electrical systems and components (EL2b)	
			B36.2 Test physical characteristics	B26.2 Test physical characteristics									
			B36.3 Analyse and present test data	B26.3 Analyse and present test data									
		B4 Investigate contextual, resource, regulatory and legal factors affecting potential developments	B41 Investigate and assess contextual and resource factors affecting potential project developments	B41.1 Identify investigation requirements	B31.1 Identify investigation requirements				DD2: Identify and assess factors that impact on engineering design briefs PM 12 Estimate and specify resources required for the project PM 16 Recommend the means of procuring resources for projects PM 21 Ensure the means of securing the required project resources are in place 2001.2 Evaluate the application of welding in the production process 2001.3 Establish welding and fabrication requirements for the design brief 2001.8 Determine welding resource requirements to achieve objectives	GLPG 4.2.5 Investigate site conditions and constraints R6.1.1/W17.1 Specify data requirements from planning investigations (economic, demographic, infrastructure) R6.1.5 Specify data requirements from environmental investigations R6.2.1/W17.2 Select and agree methods for planning investigations (economic, demographic, infrastructure) R6.2.5 Select and agree methods for environmental investigations R6.3.1/W17.3 Prepare for planning investigations (economic, demographic, infrastructure) R6.4.1/W17.4, 1-2&4-9 Carry out planning investigations (economic, demographic, infrastructure) R6.4.7 Conduct an environmental investigation W4.1 Evaluate Sites for Waste Management Facilities W4.4.2 Assess and report on options for development W5.3 Estimate resource requirements for development, replacement and planned maintenance programmes W127.1.2 Assess resource procurement and utilisation factors	MPA1.3 Select suitable locations for manufacturing and processing facilities SMDDC07 Investigate extraction site development factors		
				B41.2 Investigate and evaluate development factors, likely problems and potential solutions	B31.2 Investigate and evaluate development factors, likely problems and potential solutions								
				B41.3 Identify and assess resource procurement factors	B31.3 Identify and assess resource procurement factors								
		B5 Develop, prepare, cost and obtain approval for project design solutions	B42 Investigate and assess regulatory and legal factors affecting potential developments	B42.1 Identify regulatory investigation requirements	B32.1 Identify regulatory investigation requirements					GLPG 4.2.8 Investigate and assess regulatory, planning and legal factors affecting development, installation & maintenance R6.1.6 Identify requirements arising from regulatory and legislative instruments	SMDDC08 Assess and advise on regulatory factors affecting potential development SMDDC09 Investigate and advise on legal factors affecting potential development	Determine environmental legislation and working practices requirements for environmental technology systems (ETH1)	
				B42.2 Identify and confirm legislative requirements and constraints	B32.2 Identify and confirm legislative requirements and constraints								
B43 Report and advise on options for potential developments	B43.1 Identify requirements for the investigation of legal developments		B33.1 Identify requirements for the investigation of legal developments										
	B43.2 Identify requirements for the investigation of legal developments		B33.2 Identify requirements for the investigation of legal developments										
B51 Develop and test project design options	B51.1 Identify and assess significant factors affecting the project design		B51.1 Identify and assess significant factors affecting the project design				DD7: Generate and evaluate engineering design options DD8: Develop design options	GLPG 4.4.2/R6.8.2/W17.7.27/8.2 Develop and test alternative design solutions W1.3 Develop Technology Solutions	MPD1.4 Generate design solutions for products MPD1.5 Develop designs for the market SMDD01 Develop and test project solutions	Develop environmental technology design solutions (ETH2) Apply design principles to building services engineering projects (SST3) Develop and test building services engineering project design solutions (SST6)			
	B51.2 Select, test and refine design options		B51.2 Select, test and refine design options										
B52 Prepare and advise on project design recommendations	B52.1 Prepare and present project design recommendations		B52.1 Prepare and present project design recommendations				DD3: Complete chosen engineering designs DD9: Communicating design options	GLPG 4.4.4/R6.8.4/W17.8.4 Select and recommend options GLPG 10.1.3 Give presentations to customers GLPG 10.2.3 Present choices and options to customer GLPG 10.2.4 Provide customer with information W17.7.4 Select and recommend options for water and waste water processes W129.1.3 Prepare development proposals, plans and technical specifications	SMDD02 Prepare, present and advise on project design recommendations	Evaluate and advise on environmental technology systems designs (ETH3) Prepare and advise on building services engineering project design recommendations (SST7)			
	B52.2 Advise on the selection and modification of a design recommendation		B52.2 Advise on the selection and modification of a design recommendation										
B53 Assess, plan, estimate and control proposed development capital costs	B53.1 Identify the purpose, methods and techniques for preparing detailed designs	B53.1.1 Identify the purpose, methods and techniques for preparing detailed designs	B42.1 Assess and advise on project cost strategies				PC21 Estimate and specify financial resources PC24 Prepare project cost estimates PC31 Establish project control budgets PC33 Prepare project control budgets	GLPG 4.4.8 Prepare and present estimates R6.8/W17.8.8 Prepare and present estimates	SMDD05 Assess, plan and control capital costs of development				
		B53.1.2 Identify and select materials, components and systems	B42.2 Plan and control proposed capital costs										
		B53.1.3 Investigate, calculate and analyse detailed design	B42.3 Prepare estimates of proposed capital costs										
	B54 Prepare and agree detailed project designs	B54.1 Identify the purpose, methods and techniques for preparing detailed designs	B53.1 Identify the purpose, methods and techniques for preparing detailed designs				DD4: Review technical information to produce detailed engineering drawings 2001.1 Determine the welding criteria and requirements for the manufacture of engineering products	GLPG 4.4.3/W6.8.3/W17.7.3/W17.8.3 Calculate and prepare technical specification GLPG 4.4.5 Prepare detailed design W2.10.4 Agree plans and specifications	SMDD03 Prepare and agree detailed project development designs	Identify systems, equipment and components (EL8, M8) Prepare and agree environmental technology systems designs (ETH7) Prepare and agree detailed building services engineering project designs (SST8)			
		B54.2 Identify and assess hazards and risks	B53.2 Identify and select materials, components and systems										
	B55 Manage health and safety in design	B54.1 Identify and assess hazards and risks	B54.1 Identify and assess hazards and risks				DD6: Minimise risk to life, property and the environment	GLPG 4.2.9 Carry out health & safety assessment GLPG 4.8.2/W129.1.2 Prepare risk / safety assessments GLPG 4.8.3/W129.1.4 Obtain statutory approvals & permissions					
B56 Prepare applications and appeals to secure statutory consent	B56.1 Prepare and process applications to secure statutory consent	B55.1 Prepare and process applications to secure statutory consent					R5.2/W15.2 Obtain permissions and licences R25.1.2-4 Obtain permissions for the development of recycling facilities and services W2.8.2 Seek approvals and permits and verify compliance criteria W4.3.2 Process applications for regulatory approval W4.4.4 Process applications for changes to regulatory approvals W4.5.2 Obtain approval for use W4.5.3 Obtain approval for operations	SMDD04 Prepare and support submissions for consent					
	B56.2 Prepare and process appeals and negotiate to secure statutory consent	B55.2 Prepare and process appeals and negotiate to secure statutory consent											
B61 Specify, integrate and control project design information	B61.1 Specify project design information requirements	B61.1.1 Specify project design information requirements	B61.1.1 Specify project design information requirements						SMDTS01 Specify, integrate and control project documents				
		B61.2 Integrate and evaluate project design information	B61.2 Integrate and evaluate project design information										
B62 Prepare drawings, graphical information and schedules	B62.1 Prepare drawings and associated graphical information	B62.1.1 Prepare drawings and associated graphical information	B62.1.1 Prepare drawings and associated graphical information			C2.1.1 Produce Manufacturing Component Details	DD5: Produce detailed drawings to support engineering activities	GLPG 4.4.5/W6.8.6/W17.8.6 Prepare drawings and work schedules GLPG4.8.8 Produce product information GLPG10.1.1 Prepare information on products and services	SMDTS05 Prepare drawings and schedules for mineral development				
		B62.2 Prepare schedules	B62.2 Prepare schedules										

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				CIC	AssetSkills	CITB-CS	ECITB	EUSkills	ProSkills	SummitSkills		
		B6 Organise and prepare project design information	B63 Prepare technical specifications	B63.1 Prepare prescriptive specifications B63.2 Prepare performance specifications				2001.8 Specify welding process, procedures and controls to achieve production requirements 2001.7 Specify quality management and control requirements to assure the quality of the welded products	GLPG 4.4/W17.8.7 Prepare project specifications GLPG 4.5.3 Prepare product specifications GLPG4.5.6 Prepare manufacturing specifications GLPG10.2.2 Prepare & recommend technical specifications GLPG15.3.1 Specify performance standards for installation & maintenance works R6.7 Specify recycling processes and related projects R6.8.3.5-7 Specify works for the construction and maintenance of recycling collection, storage, reception and processing systems, networks and services W2.11.1 Prepare outline performance specification W2.11.5 Evaluate detailed specifications and performance test outcomes W17.7.5 Prepare detailed specifications for water and waste water processes W17.8.5 Prepare detailed specifications	M3M07 Design the Blast Specification in Mines MPD2.1 Determine specifications for products SFB02 Design and arrange for the authorisation of the blast specification SMDT506 Prepare specifications for mineral development		
			B64 Prepare bills of measured quantities	B64.1 Select and prepare bills of quantities B64.2 Measure quantities from design information								
		C1 Provide temporary structures, services and access facilities	C11 Provide temporary structures and services				C2.3.1 Erect and Dismantle Formwork Structures C2.3.5 Erect and Dismantle Tunnel Supports			M2M01 Install Mining Back-up Services M2M02 Install Mine Support Systems		
			C12 Provide temporary access facilities		C.C4 Work at heights and in confined spaces	C2.3.2 Erect and Dismantle Access and Work Platforms C2.3.3 Erect and Dismantle Scaffolding Structural Supports C2.3.4 Erect and Dismantle Access Safety Equipment		W10.6 Prepare support and access	F5B6 Prepare and use access equipment to work at heights MAM01 Erect and Dismantle Access/Working Platforms			
		C2 Obtain, control and move materials	C21 Obtain, store, control and issue materials				C1.3 Gather, Move and Handle Resources	E7. Store structural steel related resources for further use ETI 8 Store resources for further use FSS7. Store steel structure fabrication related resources for further use IPS Inst 11. Store instrument pipework installation related resources for further use IPS Pipe 10. Store pipework installation related resources for further use ML5. Store moving, lifting and positioning related resources for further use NDT5. Store NDT equipment and consumables for further use W5. Store and control resources during welding	GLPG 5.2.2-5R8.1.4/W10.2 Obtain resources GLPG 5.10.2 Obtain materials & equipment for the works GLPG 6.2 Distribute gas products, appliances, components & equipment W4.15 Control Stock	BL3M2M2/SF3 Receive, store and issue explosive materials BL15 Receive, transport and issue explosive materials D11 Receive and organise materials and equipment for the drilling activity M2M2SP3 Receive, Store and Handle Materials for processing M2M28 Store materials derived from Mining operations MAM09 Receive and organise materials and equipment for the Drilling activity MPC1.1 Identify materials for acquisition MPC1.4 Develop infrastructure for acquiring materials MPC1.5 Acquire materials for manufacturing and processing MPC3.1 Receive materials at manufacturing and processing facilities MPC3.2 Store materials at manufacturing and processing facilities MPC3.3 Control stock levels at manufacturing and processing facilities MPC3.4 Monitor the condition of materials at manufacturing and processing facilities MPC3.5 Issue materials at manufacturing and processing facilities MPF2.1 Plan the distribution of products to customers MPF2.2 Arrange the delivery of products to customers MPF2.5 Receive returns of unwanted products		
			C22 Prepare, handle and move materials		C.C3.1-3 Carry out manual handling C.C6.1-2 Handle chemicals			E1. Prepare structural steel loads for moving E2. Move structural steel loads ML1. Prepare loads for moving or lifting and positioning ML2. Move loads ML3. Determine resource requirements to achieve lifting and positioning objectives ML4. Lift and position loads ML6. Determine technical requirements to achieve moving, lifting and positioning objectives ML11. Contribute to the organisation of work activities in relation to the movement of loads ML12. Contribute to technical leadership in the movement of loads QSE4. Move engineering loads by manual operation	R11.1 Collect and deliver recyclable materials R11.2 Provide alternative transport services R13.2 Transport recyclable materials within site W3.1 Collect Waste	BL4/MPF2.5 Receive and handle explosive materials on-site P9 Receive, store and handle materials for processing BL 12 Prepare bulk explosive truck for deliveries BL13 Deliver bulk explosives to blast location CWP12 Assemble bulk orders for distribution CWP13 Move loads for processing D7 Carry out slinging and signalling for load movement D20 Transport and Discharge Bulk Material Loads D22 Lift Transfer and Position Loads FSB4 Transport and handle installation equipment and materials G4 Transport and handle glazing materials M2M13 Arrange and Secure Loads M2M15/PL20 Slinging and Signalling the Movement of Loads MAM02/PL3 Move and Handle Resources MPC2.1 Transport materials to and from manufacturing and processing facilities MPC2.2 Unload materials from delivery vehicles MPC2.3 Handle materials at manufacturing and processing facilities MPF2.3 Pack products ready for delivery MPF2.4 Load processed products into delivery vehicles PL15 Arrange and Secure Loads SF4 Obtain and transport explosive materials WB5 Manage the movement of loads WB6 Arrange loading and transportation of materials WB8 Provide information to vehicle drivers operating in your area of responsibility WB9 Monitor vehicle crew activities in your area of responsibility		
		C3 Prepare, operate and maintain plant, equipment and machinery	C31 Prepare, install and dismantle plant equipment and machinery				C2.4.1 Set Up, Erect and Dismantle Plant	E13. Prepare equipment required for lifting and positioning loads FSS4. Prepare equipment for the fabrication of steel structures IPS Inst 9. Prepare equipment for instrument pipework installation IPS Mech 2. Prepare machine tools to achieve material removal requirements IPS Mech 11. Prepare equipment for mechanical installation IPS Pipe 8. Prepare equipment for pipework installation ML9. Prepare equipment required for moving, lifting and positioning loads MPS Elec14. Prepare equipment in support of engineering activities MPS Inst 13. Prepare equipment required for maintaining instrument and control systems MPS Mech 15. Prepare equipment in support of engineering activities QSE3. Prepare equipment in support of engineering activities W3. Prepare equipment for welding activities			D18 Erect and Dismantle Plant or Machinery M2M08/PL4 Prepare Mining Plant or Machinery for Operational Performance M2M19 Erect and Dismantle Plant in Mines PL22 Erect and Dismantle Plant (Cranes and Rigs)	
			C32 Operate, control and maintain plant, equipment and machinery		C.A4.1-4 Operate and maintain equipment and machinery	C2.2.1 Operate Woodworking Machinery C2.2.2 Operator Maintenance of Machinery C2.2.3 Produce, Maintain and Set Up Tooling C2.4.2 Operate, Maintain, Shut Down and Secure Plant or Machinery C2.4.3 Control, Guide and Secure Plant or Machinery C3.4.37 Operate Power Tools and Equipment	IPS Mech 4. Set and adjust machine tools	GLPG 5.4/W10.3 Operate mobile plant & equipment GLPG17.3.5 Inspect vehicle fleets for compliance R9.4 Commission and maintain recycling mobile plant R9.6 Maintain processing plant and equipment R12.1 Operate plant and equipment used in segregation R13.1 Operate plant and equipment for processing R14.1 Operate plant and equipment to remove residual waste for disposal R14.2 Operate plant and equipment for waste collection processes R14.3 Operate plant and equipment for specialist processing R15.1.1-2 Operate monitoring equipment R18.1 Maintain quality monitoring and recording systems W3.12 Operate Vehicle and Equipment Depots W3.13 Operate Vehicles and Equipment W3.15 Operate Generating Plant and Equipment W3.18 Operate Site Monitoring Equipment W113.3 Operate plant and equipment in reservoirs W114.1 Operate plant and equipment for water treatment W115.2 Operate plant and equipment for waste water collection processes (preliminary, secondary and tertiary processes) W115.3 Operate plant and equipment for specialist treatments of water and waste water	CWP7 Run machine-led process operations which are under process control CWP18 Carry out planned maintenance procedures on process equipment CWP19 Adjust process equipment to meet operating requirements CWP20 Maintain the condition of process equipment D6 Operate powered tools and equipment for routine and predictable drilling requirements D9/M2M16 Contribute to the specified drilling programme D10 Operate and control drilling-related plant and machinery D14/M2M18 Drill holes to drilling specification D16 Carry out routine maintenance on drilling plant and equipment D17/M2M06 Carry Out Mud Slurry or Fluid Plant Operations D19/M2M20 Operate Guidance Systems to Form Holes M2M03 Install and Operate Spoil Removal Equipment M2M07 Mining Plant or Machinery Operator Maintenance M2M09 Operate Mining Extraction Plant or Machinery M2M10 Operate Mining Plant or Machinery to Excavate and Load M2M11 Operate Plant or Machinery to Receive or Transport Mine Personnel, Materials or Minerals M2M12 Direct and Guide the Movement of Plant or Machinery in Mines M2M17 Operate and control Drilling-related Plant and Machinery M3M01 Control Mining Plant or Machinery to Excavate and Load M3M02 Control Plant or Machinery to receive or transport Mine Personnel, Materials or Minerals M3M11 Run and control the operations of processing plant MAM03 Operate Plant or Machinery for Accessing in Mines MAM04 Operate Facilities Equipment in Mines			

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	BESA SSCs/SSBs	ECITB	EUSkills	ProSkills	SummitSkills	
										MAM05 Operate Specialised Powered Tools and Equipment in mines MAM07 Operate powered tools and equipment for routine and predictable Drilling requirements MAM13 Use tools and equipment for routine and predictable minerals processing requirements PS Use tools and equipment for routine and predictable minerals processing requirements P10 Carry out routine maintenance on plant and equipment P13 Run and control the operations of processing plant PL5 Operate Plant or Machinery to Lift and Transfer Loads PL6 Operate Plant or Machinery to Extract PL7 Operate Plant or Machinery to Excavate PL8 Operate Plant or Machinery to Construct and Form PL9 Operate Plant or Machinery to Receive and Transport Lc PL10 Operate Plant or Machinery for Accessing PL11 Operate Plant or Machinery to Lay and Distribute PL12 Operate Plant or Machinery to Compact PL13 Operate Plant or Machinery to Process PL14 Direct and Guide the Movement of Plant or Machinery PL16 Operate Road Rail Plant PL17 Operate Ancillary Equipment PL18 Operate Specialised Powered Tools and Equipment PL21 Plant Operations from a Barge 105 WB4 Operate weighbridge		
			C41 Carry out ground modification and landfill operations						GLPG 5.5/W10.4 Carry out ground-works W3.17 Operate Landfill Operations W4.9.1 Supervise landfill operations W4.9.2 Supervise land spreading operations			
		C4 Carry out ground modification, excavation and tunnelling operations	C42 Carry out blasting, excavation and tunnelling operations						W10.5 Carry out tunneling works	BL1 Contribute to an efficient and effective blasting environment BL5/M2M23/SF5 Charge blast holes to specification BL6/M3M04/SF6 Blast to specification BL7/M3M05/SF7 Deal with misfires BL8/M3M06/SF8D1 Determine the blast requirements BL9 Design and arrange for the authorisation of the blast specification BL10 Produce profiles of rock faces and landforms BL14 Load blast holes with bulk explosive to blast specification D21 Extract and Excavate Materials H2 Recommend and support improvements in extractive industries sites MCM02 Conform to Efficient Work Practices MCM03 Confirm Work Activities and Resources for the Work M2M04 Excavate and Profile Tunnels M2M05 Construct Vertical Shafts for Tunnelling Operations		
			C51 Manufacture and process materials and components						C2.1.2 Assemble Components to Form Manufactured Products C2.1.5 Bend Concrete Reinforcement Bars to Shape C2.1.6 Fabricate Concrete Reinforcement C2.1.7 Produce Stonework Templates/Templates and Moulds C2.1.8 Prepare Stonework Components C2.1.9 Produce Cast and Run Mouldings C3.4.2 Mix Brick, Block and Masonry Mortars	GLPG 6.1 Manufacture gas appliances, components & equipment GLPG4.5.2 Evaluate required changes to manufacturing processes GLPG4.5.4 Evaluate costs, risks and benefits of alternative manufacturing options GLPG4.5.5 Specify required changes to manufacturing technology GLPG4.5.7 Obtain certification for new & improved products.	CWP4 Respond to process problems CWP5 Produce process outcomes using manual operations CWP6 Prepare materials for processing according to instructions CWP11 Producing packaged products CWP16 Change process systems to meet requirements CWP17 Operate programmable processes CWP22 Contribute to the provision of ancillary systems M2M24 Process Materials to specification M3M10 Solve processing problems MAM12 Assist with the specified Minerals processing activity MPA2.1 Identify methods to improve the performance of manufacturing and processing facilities MPA2.2 Test the performance of manufacturing and processing facilities MPA2.3 Analyse the performance of manufacturing and processing facilities MPA2.4 Diagnose problems with manufacturing and processing facilities MPA2.5 Identify improvements to manufacturing and processing facilities MPA3.2 Monitor the performance of manufacturing and processing facilities MPC1.2 Analyse materials for manufacturing and processing MPC1.3 Evaluate materials for manufacturing and processing MPD2.2 Develop equipment to produce products MPD2.3 Develop work methods to produce products MPE1.1 Identify output requirements for manufacturing and processing facilities MPE1.2 Schedule the operation of manufacturing and processing facilities to produce required outputs MPE1.3 Configure manufacturing and processing facilities to produce required outputs MPE1.4 Control the production of required outputs MPE1.5 Monitor the production of required outputs MPE2.2 Control the flow of materials into manufacturing and processing plant and equipment MPE2.3 Control the condition of materials being processed MPE3.1 Configure manufacturing and processing facilities to produce required outputs MPE3.2 Operate manufacturing and processing facilities to produce required outputs MPE3.3 Monitor manufacturing and processing facilities to produce required outputs MPG1.1 Obtain information on the use of resources in manufacturing and processing facilities MPG1.2 Monitor the use of resources in manufacturing and processing facilities MPG1.3 Analyse information on the use of resources in manufacturing and processing facilities MPG1.4 Schedule the use of resources in manufacturing and processing facilities P4 Assist with the specified minerals processing activity P7 Process materials to specification P12 Solve processing problems SMDDI02 Manage a mineral development project	
	C Resource, construct, process, install, maintain and decommission structures, materials and building engineering services in the natural and built environment	C5 Manufacture, process and fabricate materials and components	C52 Prepare, fabricate and assemble materials and components							G7 Install glass into glazing systems G8 Cut glass for glazing G13 Cut glass for complex shapes MPE2.1 Prepare materials for manufacturing and processing MPE3.4 Combine materials to form products MPE3.5 Shape materials to form products MPE3.6 Change the characteristics of materials to form products	Prepare to build panels (EL17) Build panels using safe and approved methods (EL18)	

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	BESA SSCs/SSBs	ECITB	EUSkills	ProSkills	SummitSkills
			C61 Erect and construct building and civil engineering structures			C2.1.3 Produce Formwork Details C2.1.4 Fabricate Concrete Formwork C3.4.3 Construct and Maintain Brick and Block Structures C3.4.4 Position and Fix Stonework C3.4.9 Erect Structural Roof and Floor Components C3.4.16 Provide Structure Stability C3.4.17 Erect Proprietary System Buildings C3.4.18 Mix Concrete by Mechanical Means C3.4.19 Prepare Background to Receive Concrete C3.4.20 Place Concrete C3.4.25 Cut and Drill the Structural Fabric C3.4.26 Tension Concrete Structures and Components C3.4.36 Remove and Install Railtrack Lines	E4: Position and erect steel structures E4: Erect structural steel sections E6/ET17/SS5/IPS Inst 10/IPS Pipe 9/ML10/QSE5/W4: Reinstate the work area after completing structural steel activities/ installing and commissioning electrotechnical systems and equipment/ completing the fabrication of steel structures/ completing the installation of instrument pipework/ completing the installation of pipework/ moving or lifting and positioning loads/ completing engineering activities/ completing welding activities E9: Determine technical requirements to achieve steel erecting objectives E10: Determine resource requirements to achieve steel erecting objectives E11/ET1 1/PS2/IPS Inst 7/IPS Mech 9/IPS Pipe 6/ML/QSE1/W1: MPS Mech 1/Prepare work areas for steel erecting activities/ installing and commissioning electrotechnical systems and equipment/ the fabrication of steel structures/ the installation of instrument pipework/ mechanical plant equipment installation/ the installation of pipework/ lifting and positioning activities/ in support of engineering activities/ welding activities E12/ET1 3/IPS Mech 10/IPS Pipe 7/QSE2/W2: Prepare materials required for steel erecting activities/ installing and commissioning electrotechnical systems and equipment/ mechanical installation/ pipework installation/ in support of engineering activities/ welding activities	W10.7 Prepare and erect formwork W10.8 Carry out concrete work W10.9 Carry out brick, block and stonework W10.10 Work on highways W10.11 Prepare and erect structural steelwork			
		C6 Construct and finish structures, building fabric and landscaping and install building engineering services	C62 Prepare, assemble and apply materials, components, finishes and landscaping		C3.3.5 Lay Pedestrian Areas C3.4 Install Internal Building Finishes C3.4.7 Install Internal Building Finishes C3.4.8 Install External Building Finishes C3.4.12 Prepare Background Surface for Mastic Asphalt C3.4.13 Prepare Mastic Asphalt C3.4.14 Apply Mastic Asphalt C3.4.21 Apply Sprayed Concrete C3.4.22 Finish Concrete Surfaces C3.4.23 Apply Joint Sealants C3.4.28 Prepare Materials for Protective Roof and Wall Covering C3.4.29 Cover Roof Structures C3.4.30 Provide Weatherings to Roof and Wall Structures C3.4.32 Provide Cladding to Wall Structures C3.4.33 Prepare Cladding and Roofing Background Surfaces C3.4.34 Apply Bituminous Coverings C3.4.35 Apply Liquid Waterproof Systems C3.5.1 Prepare Surfaces to Receive Decorative and Protective Finishes C3.5.2 Apply Decorative and Protective Paint Finishes C3.5.3 Produce Decorative Specialist Paint Finishes C3.5.4 Apply Wall and Ceiling Coverings C3.5.5 Fix Features and Apply Textured Coatings C3.5.6 Mix Plastering Materials C3.5.7 Fix and Prepare Background Surfaces for Plasterwork and/or Tiling C3.5.8 Produce Solid Plaster Finishes C3.5.9 Produce Screeded Floor and Paving Finishes C3.5.10 Apply Specialised Wall and Floor Finishes C3.5.11 Install Proprietary Ceiling Partitioning and Flooring C3.5.12 Install Proprietary Lining Cladding Systems C3.5.13 Install Proprietary Door and Shutter Systems C3.5.19 Lay Finishing Floor Coverings C3.5.21 Install Insulation to Structures				FSB2 Contribute to the work of the installation team FSB3 Confirm installation instructions FSB5 Prepare for installation work FSB7 Undertake preparatory work on existing materials for fascia, soffit and bargeboard and related products installation FSB8 Prepare materials for installation of fascias, soffits and bargeboards and related products FSB9 Install domestic fascias, soffits, bargeboards, and related products G2 Contribute to the work of the glazing team G3 Confirm glazing requirements G5 Prepare for glazing work G14 Apply window film to glass G15 Glaze fire resistant glazing installations G16 Glaze glass interiors G17 Glaze glass balustrades G18 Glaze glass curtain wall systems G19 Glaze glass overhead installations G20 Glaze glass shop-fronts G21 Glaze glass stair and floor installations G22 Glaze structural glass installations G23 Glaze toughened glass assemblies G24 Glaze security glazing installations G25 Glaze glass blocks MPF3.2 Install products for customers		
			C63 Install building engineering services, components and systems		C3.3.6 Install Pipework Drainage Systems C3.4.15 Insulate Structures and Services C3.4.31 Install Rainwater Goods and Roofline Systems C3.5.14 Install Proprietary Chimney Systems C3.5.15 Install Proprietary Ducting Systems C3.5.16 Install Proprietary Ducting Systems C3.5.17 Install and Apply Proprietary Passive Fire Protection Systems	ET1.2 Prepare equipment for installing and commissioning electrotechnical systems and equipment ET1.4 Install electrical wiring systems, wiring enclosures and equipment ET1.5 Connect wiring systems and equipment using safe and approved methods IPS Inst 4: Position and install instrument pipework IPS Inst 5/IPS Pipe 4/QSE6: Mark out the required specification IPS Mech 3: Mount and set work holding devices and work pieces IPS Mech 6: Marking up unit IPS Mech 8/IPS Pipe 3/MPS Elec 1/MPS Inst 1/MPS Mech 1: Position and install mechanical plant and equipment/ pipework/ electrical plant and equipment/ instrument and control systems/ mechanical plant and equipment MPS Mech 10: Assemble bolted joints to a specification	GLPG 5.6.1-5/8 install & maintain gas mains network GLPG 5.7.1 Prepare gas plant & equipment for installation & maintenance operations GLPG 5.7.2 Install gas plant & equipment GLPG 5.8.2 Erect & maintain gas storage facility GLPG 5.9.1 Carry out re-instatement GLPG 5.10.3-9 Install Gas Installations R9.5.1.4 Install and maintain fixed plant and equipment W111.2 Install & maintain water storage, distribution and waste water systems, networks and services W111.3 Install and maintain fixed plant and equipment W111.4 Install and maintain electrical and telecommunications systems and services W111.5 Install & maintain monitoring and control systems and services (including telemetry) W111.6 Install, configure & maintain IT systems and software	Install electrical systems in buildings and structures (EL9) Install and connect highway electrical systems, equipment and components (EL10) Install security and emergency systems in buildings and structures (EL11) Install audio visual systems (EL12) Install audio systems (EL13) Install instrumentation systems, equipment and components (EL14) Install structured cabling systems, equipment and components (EL15) Connect electrical systems, equipment and components (EL23) Install highway electrical infrastructure equipment (EL29) Apply surface protection to highway electrical systems (EL30) Carry out earthing and bonding procedures for structured cabling (EL32) Install environmental technologies systems, equipment and components (ET3) Install domestic heating systems, equipment and components (M9) Install plumbing systems, equipment and components (M10) Install weathering systems (M11) Fit and fix cooling systems, equipment and components (M16) Install industrial and commercial heating and ventilating systems, equipment and components (M21) Prepare resources for pipe jointing activities (M30) Connect pipework (M31) Establish electrical control and supply of mechanical building services systems (M32) Carry out safe electrical working practices on electrical control, and supply for mechanical building services systems (M33)			
			C71 Maintain and service structures, materials, components, finishes and building engineering services		C3.5.20 Reinstate Structures	MPS Elec 3: Carry out planned maintenance procedures on electrical plant and equipment MPS Elec12: Prepare work areas for the maintenance of electrical plant and equipment MPS Elec13: Prepare materials for the maintenance of electrical plant and equipment MPS Elec15: Reinstate the work area after completing the maintenance of electrical plant and equipment MPS Inst 3: Carry out planned maintenance procedures on instrument and control systems MPS Inst 11: Prepare work areas for maintaining instrument and control systems MPS Inst 12: Prepare materials required for maintaining instrument and control systems MPS Mech 3: Carry out planned maintenance procedures on mechanical plant and equipment	MPS Elec 3: Carry out planned maintenance procedures on electrical plant and equipment MPS Elec12: Prepare work areas for the maintenance of electrical plant and equipment MPS Elec13: Prepare materials for the maintenance of electrical plant and equipment MPS Elec15: Reinstate the work area after completing the maintenance of electrical plant and equipment MPS Inst 3: Carry out planned maintenance procedures on instrument and control systems MPS Inst 11: Prepare work areas for maintaining instrument and control systems MPS Inst 12: Prepare materials required for maintaining instrument and control systems MPS Mech 3: Carry out planned maintenance procedures on mechanical plant and equipment	GLPG 5.7.3 Maintain gas plant & equipment GLPG 5.8.1 Prepare gas storage facility for maintenance operations GLPG 5.11.2-5 Maintain gas installations W113.1 Maintain processing plant and equipment W120.1 Carry out routine land, woodland and forestry maintenance W120.2 Carry out routine maintenance of open water storage areas and waterways W120.3 Maintain minimum flow in rivers W120.4 Carry out routine maintenance of coastal sites W120.5 Monitor, protect and maintain special habitats for plants and wildlife W120.6 Monitor, protect and maintain fish stocks W124.2 Maintain navigation systems on waterways	G9 Maintain glazing systems MPA3.3 Carry out maintenance procedures	Maintain electrical systems, equipment and components (EL16) Inspect electrical systems, equipment and components (EL24) Inspect environmental technology systems, equipment and components (ET6) Service and maintain environmental technology systems, equipment and components (ET9) Manage installation, service and maintenance of environmental technology systems (ETH8) Service and maintain mechanical systems, equipment and components (M12) Service and maintain cooling systems, equipment and components (M17) Service industrial and commercial heating and ventilating systems, equipment and components (M22) Maintain industrial and commercial heating and ventilating systems, equipment and components (M23) Service and maintain ductwork systems, equipment and components (M17) Inspect and test mechanical services systems, equipment and components (M25)	

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	BESA SSCs/SSBs	ECITB	EUSkills	ProSkills	SummitSkills	
Plan, design, construct, manage and maintain the sustainable development and use of the natural and built environment and its infrastructure, balancing the requirements of all stakeholders	C7 Maintain and repair structures, materials and building engineering services	C72 Diagnose, remove, repair, rectify and replace materials, components, finishes and building engineering services	C72 Diagnose, remove, repair, rectify and replace materials, components, finishes and building engineering services			C3.4.10 Repair Internal and External Filaments and Finishes C3.4.24 Repair Defective Surfaces/Structures C3.4.11 Make Good Associated Building Finishes		ET19 Diagnose and correct electrical faults MPS Elec 4: Adjust electrical plant and equipment to meet operating requirements MPS Elec 6: Replace components in electrical plant and equipment MPS Elec11: Restore components from electrical plant and equipment to operational condition by repair MPS Inst 4: Adjust instrument and control systems to meet operating requirements MPS Inst 6: Replace components in instrument and control systems MPS Inst 10: Restore components from instrument and control systems to operational condition by repair MPS Inst 14: Reinstall the work area after completing the maintenance of instrument and control systems MPS Mech 4: Adjust mechanical plant and equipment to meet operating requirements MPS Mech 6: Replace components in mechanical plant and equipment MPS Mech 12: Restore components from mechanical plant and equipment to operational condition by repair MPS Mech 13: Prepare work areas for the maintenance of mechanical plant and equipment MPS Mech 14: Prepare materials for the maintenance of mechanical plant and equipment MPS Mech 16: Reinstall the work area after completing the maintenance of mechanical plant and equipment	W10.12.1-3 Re-install sites	MPA3.6 Repair manufacturing and processing facilities MPA3.7 Restore manufacturing and processing facilities to operation MPB2.6 Restore the environment to other uses	Prepare electrical machines for repair (EL19) Rewind electrical machines (EL20) Repair electrical machines (EL21) Assemble, inspect and test and repaired machine (EL22) Identify faults in electrical systems, equipment and components (EL27) Rectify faults in electrical systems, equipment and components (EL28) Diagnose faults in environmental technology systems, equipment and components (ET7) Rectify faults in environmental technology systems, equipment and components (ET8) Identify faults in plumbing systems, equipment and components (M14) Rectify faults in plumbing systems, equipment and components (M15) Identify and rectify faults in cooling systems, equipment and components (M20) Identify faults in mechanical systems, equipment and components (M28) Rectify and modify mechanical systems, equipment and components (M29)	
		C81 Decommission existing systems, plant and facilities						GLPG 5.8.5 De-Commission gas storage facility GLPG 5.11.6 Disconnect supply & de-commission installations R9.3 Decommission recycling storage, supply and treatment plant W4.6 De-commission Waste Management Facilities W112.2 De-commission water storage, supply and treatment services		Decommission plumbing systems, equipment and components (M13) Decommission cooling systems, equipment and components (M18) Decommission heating and ventilating systems, equipment and components (M26)		
	C8 Decommission, dismantle and demolish existing plant, structures and facilities	C82 Dismantle and demolish existing structures and facilities					C3.2.1 Remove Existing Components from Buildings C3.2.2 Dismantle Existing Structures C3.4.27 Strip Existing Roof Coverings	ES: Dismantle structural steel sections ML7: Dismantle engineering construction assemblies for move MPS Elec 2: Dismantle electrical plant and equipment MPS Inst 2: Dismantle instrument and control systems MPS Inst 5: Remove components from instrument and control systems MPS Mech 2: Dismantle mechanical plant and equipment MPS Mech 5: Remove components from mechanical plant and equipment	W3.8 Degraded Disassemble Goods and Structures	FSB11 Remove materials ready for installation MPA3.5 Dismantle manufacturing and processing facilities MPA3.8 Remove manufacturing and processing facilities from operation		
		D11 Plan and develop procurement programmes and schedules of work	D11.1 Develop a procurement programme D11.2 Develop a schedule of work					PC26 Plan the project procurement activities PM 13 Develop outline programmes or schedules for projects	W127.2 Agree procurement routes for of works, services and supplies			
	D1 Plan, Implement procurement processes and secure contracts	D12 Implement strategic sourcing partnerships	D12.1 Evaluate the benefits and risks of partnership and strategic sourcing D12.2 Agree and implement alignment of systems with partners D12.3 Monitor and control arrangements for strategic sourcing									
		D13 Implement procurement processes	D13.1 Evaluate and select potential tenderers D13.2 Obtain estimates, bids and tenders D13.3 Assess and select successful estimates, bids and tenders and negotiate changes			FM.4.3.5 Identify and select contractors		PC38 Select tenderers and obtain estimates, bids and tenders PC40 Evaluate and select successful bids from tenderers PM 25 Review and select tenders	GLPG 12.2 Contract for gas supply & obtain licences GLPG 12.3 Contract for the development & maintenance of the gas network & storage system R23.3 Manage procurement of works, services and supplies R23.4 Assess and report on procurement practices W2.11.2 Identify and evaluate potential design and development contractors/manufacturers W4.3.4 Assess and report on potential of the site operator to comply with regulatory requirements W4.3.5 Identify and select contractors W5.4 Contract for the Supply of Goods and Services W111.1 Procure /acquire fixed plant and equipment W127.3 Manage procurement of works, services and supplies W127.4 Assess and report on procurement practices W129.2 Contract for water extraction W129.3-2-4 Contract for the development & maintenance of the water storage, supply and waste water collection systems and related infrastructure	MPD3.1 Commission projects in manufacturing and processing facilities		
		D14 Prepare and submit estimates, bids and tenders	D14.1 Evaluate estimate, bid and tender enquiry documentation D14.2 Assess the resource requirements and costs within an estimate, bid and tender D14.3 Finalise and submit an estimate, bid and tender offer			FM.3.5.4 Prepare and present service provision proposals and quotations FM.5.4 Bid to supply services		PC41 Prepare the commercial aspects of bid and tender offers	W5.3 Bid to Supply Goods and Services		Contribute to estimating and tendering processes for building services engineering projects (SST4) Develop estimates and tenders for building services engineering projects (SSTE3)	
		D15 Prepare, negotiate and secure contracts	D15.1 Prepare and modify forms of contract D15.2 Negotiate and secure a contract for the supply of works, goods, materials and consultancy services D15.3 Negotiate and secure a contract for financial services		C.D8.1 Negotiate contracts FM.3.5.5 Negotiate service provision FM.4.3.6 Negotiate a contract for development FM.5.3 Scope the contract for the supply of services FM.5.5 Contract for the supply of goods and services		PC42 Conclude arrangement for the supply of sub-contracts, goods, materials and services PM 24 Develop contractual arrangements PM 26 Verify contract arrangements are in place	GLPG 12.4.2-5/7-9 Secure contracts for programmes & services R25.2.2 Contract for the development and maintenance of collection, storage and processing capacity R25.3 Secure contracts for projects and services R25.5 Negotiate agreements for the joint development of recycling services W2.11.3 Negotiate a contract for development W4.3.6 Negotiate a contract for development W129.4 Secure contracts for projects & services W129.6 Negotiate agreements for the joint development amenity provision	MPG2.2 Negotiate contracts for the supply of resources for manufacturing and processing facilities			
		D21 Interpret requirements and plan work methods, programmes, resources and systems to meet project work requirements	D21.1 Evaluate and select work methods D21.2 Plan work activities and resources to meet project work requirements D21.3 Select and form a project work team D21.4 Establish and maintain project organisation and communication systems		C.A1.1 Understand and interpret specifications C.A1.2 Plan work and method statements		DD1/QSE7: Read and extract information from engineering drawings and specifications PC30 Develop the work breakdown and coding structures PC32 Establish project control programmes and schedules PC34 Prepare project control programmes and schedules PC38 Carry out project scheduling activities PM 14 Develop a work breakdown structure for the project PM 15 Specify activities for project schedules PM 17 Develop a detailed schedule for the project PM 31 Identify and establish procedures and responsibilities for the project PM 36 Monitor and adjust activities, resources and plans PM 38 Maintain communication with project stakeholders W6: Obtain and interpret welding specifications	GLPG 5.2.1 Obtain information for the works GLPG 5.10.1 Verify specification of installation GLPG 12.4.1 Prepare programmes GLPG 12.4.6 Prepare a method statement GLPG 13.1 Plan and implement projects R26.1 Plan and implement projects W4.16.2 Develop method statements W4.16.4 Raise awareness of risk factors W130.1 Plan and implement projects	BL11/M3M8/SFE51 Supervise the blasting operation D8/MAM08 Contribute to an efficient and effective drilling environment D12/MAM10 Provide for and maintain the security of the work and environment surrounding the drilling area D15/MAM11 Reinstall the drilling area of operations and complete works G11 Lead the glazing work at glazing sites G12 Resolve technical problems at glazing sites MPA1.7 Manage the installation of manufacturing and processing facilities P14 Manage the use of physical resources	Plan and implement work methods and resources to achieve environmental technology systems installation requirements (ETH4) Contribute to planning work methods, resources and systems to meet building services engineering project work requirements (SST4) Plan work methods, resources and systems to meet building services engineering project work requirements (SSSTE9)		
		D22 Establish sites and implement and manage works to meet construction and installation project requirements	D25.1 Co-ordinate preparation for site operations D25.2 Co-ordinate work control				PC19 Plan and implement project control operational developments PM 37 Develop solutions to project problems PM 44 Promote and protect planned work 2001.10 Monitor welding activities in production	GLPG 5.1/R9.1.1/W10.1 Prepare for site operations GLPG 5.3 Set out working area W3.19 Protect Sites			Plan and implement work methods and resources to achieve environmental technology systems installation requirements (ETH4) Implement works to achieve environmental technology systems installation (ETH8) Monitor and implement building services engineering projects in the work location (SST2) Manage building services engineering projects in the work location (SSTE4) Implement works to meet building services engineering project work requirements (SSTE9)	
D23 Establish and maintain the dimensional control of construction and installation projects		D26.1 Establish dimensional control criteria D26.2 Maintain the dimensional accuracy of contracts				C3.4.1 Set Out Basic Structures, Excavations and Areas				D13 Measure and set out dimensional control for the drilling requirement PL19 Set Out Secondary Dimensional Work Control M2M14 Set Out Secondary Dimensional Work Control M3M03 Measure and set out dimensional control for the Drilling requirement		
D24 Select and procure plant and equipment for construction and installation operations		D23.1 Identify current and future demands for plant and equipment D23.2 Identify and present options for plant and equipment acquisition D23.3 Evaluate and select plant and equipment							W4.5.6 Procure and prepare plant and equipment for operations			
D25 Deploy plant and equipment for construction and installation operations		D24.1 Identify allocate and plan the deployment of plant and equipment on site D24.2 Maintain the availability and usability of plant and equipment D24.3 Allocate and monitor the use of plant and equipment on site							R19.1 Schedule mobile plant operations	M3M09/P11 Contribute to the deployment of Plant and Equipment for processing operations		
D26 Organise, monitor, maintain and improve supplies of materials to meet project requirements		D22.1 Identify and monitor requirements for materials supply D22.2 Maintain supplies of materials to meet project requirements D22.3 Obtain improvements in supplier performance								MPG2.3 Manage contracts for the supply of resources for manufacturing and processing facilities MPG2.4 Place orders for resources for manufacturing and processing facilities MPG2.5 Review the performance of suppliers of manufacturing and processing facilities		

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	BESA SSCs/SSBs	ECITB	EUSkills	ProSkills	SummitSkills	
D Procure, plan, implement, control and manage projects in the natural and built environment			D27 Establish and maintain systems for managing site health, safety and welfare	D27.1 Develop and establish systems for managing health, safety and welfare D27.2 Maintain systems for managing health, safety and welfare					GLPG 13.2.6 Manage safety R20.1 Monitor and maintain the security and safety of facilities W20.7 Monitor and maintain the security and safety of sites	BL2 Contribute to health and safety in the blasting workplace D2 Contribute to health and safety in the drilling workplace D4MAM06 Set up protection and safety equipment for the drilling area G1 Maintain health and safety within the glazing environment G10 Promote and maintain health and safety in the glazing environment H1 Contribute to a positive health, safety and environmental culture in extractive industries sites MCM01 Operate Safely in the Mining Environment	Monitor and implement health and safety during building services engineering projects (SST1) Manage Health and Safety in the building services engineering work location (SSTE1)	
			D28 Identify site health and safety hazards and control risks	D28.1 Identify hazard and assess risks D28.2 Specify and implement methods and procedures to reduce risk				PM.47 Identify and analyse hazards and specify actions to control risks to people, property and the environment 2001.12 Identify assess the hazards arising from welding operations in production	GLPG 9.2 Assess risks, & maintain compliance R6.4.8 Conduct a hazard risk assessment W4.16.1 Prepare risk assessments	H4 Identify health and safety hazards, environmental aspects and risks in extractive industries sites		
			D31 Control project quality, compliance, progress and cost	D31.1 Control contracts against agreed quality standards D31.2 Maintain contract compliance with legal and statutory requirements D31.3 Control contract progress against agreed programmes D31.4 Control contract quantities and costs D31.5 Prepare and issue certification for contracts	D31.1 Control contracts against agreed quality standards D31.2 Maintain contract compliance with legal and statutory requirements D31.3 Control contract progress against agreed programmes D31.4 Control contract quantities and costs D31.5 Prepare and issue certification for contracts	C.D8.2 Project management C.D8.3 Manage projects C.E1.1 Set and monitor (if mandatory or regulatory) targets C.E1.2 Ensure work is conducted according to specification C.E4 Contract Enforcement FM.4.3.7 Monitor the development programme for contractual and regulatory compliance FM.4.5.1-4, 7 Mitigate and control operational risk FM.4.7 Maintain Compliance with external requirements			E8 Check that the steel structure is installed to specification IPS Inst 6/IPS Pipe 5. Establish the compliance of an engineering installation with the specification PC1 Oversee the application of information technology (IT) to project control PC2 Apply information technology (IT) to project control PC6 Assure and control the quality of project control activities PC7 Apply quality assurance procedures to project control activities PC8 Retrieve, record and present project control information PC9 Acquire and handle information needed for project control PC35 Monitor, control and report on exposure commitment and expenditure PC36 Carry out project cost control activities PC37 Monitor, control and report on project progress PC43 Forecast the use of project financial resources PC44 Forecast the project schedule achievement PC45 Calculate the financial outcomes of activities PC49 Identify and quantify emerging changes PM 32 Review the progress of projects PM 33 Comply with regulatory requirements PM 34 Review and monitor the financial control of projects PM 39 Co-ordinate, monitor and control project schedules PM 41 Ensure quality in the implementation of the project	GLPG 13.2.1-5/R26.2/W30.2 Control project quality, progress and cost GLPG17.3.4 Inspect customers' sites for compliance R26.3 Account for project quality, progress and cost W4.3.7 Monitor the development programme for contractual and regulatory compliance W4.17 Maintain Regulatory Compliance W30.3 Account for project quality, progress and cost	MP03.4 Monitor the delivery of projects	Apply contract conditions for building services engineering projects (SST6) Manage contract procedures for building services engineering projects (SSTE5)
			D32 Prepare and agree project accounts and claims	D32.1 Prepare and agree interim valuations and final accounts D32.2 Prepare and agree claims for reimbursement for loss and expense	D32.1 Prepare and agree interim valuations and final accounts D32.2 Prepare and agree claims for reimbursement for loss and expense	C.D8.5 Handle variations and changes to contracts			PC47 Evaluate the information and prepare claim submissions PC48 Provide commercial support to the agreement of claims	GLPG112.5.4/R25.6.4 Resolve claims under Warranty		Control building services engineering project income and expenditure (SSTE12)
			D33 Commission engineering installations and equipment	D33.1 Configure engineering products to meet requirements D33.2 Commission engineering products D33.3 Transfer control of the engineering products	D33.1 Configure engineering products to meet requirements D33.2 Commission engineering products D33.3 Transfer control of the engineering products	FM.4.3.8 Commission the facility FM.4.6.1 Inspect and approve the commissioning and de-commissioning of new capacity			ET1 6 Inspect, test and commission an electrical installation IPS Inst 12/PS Mech 12/IPS Pipe 11: Test the performance and condition of installed instrument pipework/ mechanical plant and equipment/pipework	GLPG 5.6.9 Commission work sections GLPG 5.7.5 Commission gas plant & equipment GLPG 5.8.4 Commission gas storage facility GLPG 5.10.10 Test and commission installation & connect supply GLPG17.3.1 Inspect & approve the commissioning & de-commissioning of new capacity R9.2 Commission recycling storage, supply and treatment plant R9.5.5 Perform commissioning tests on plant and equipment W4.3.8 Commission the facility W4.19.1 Inspect and approve the commissioning and de-commissioning of new capacity W12.1 Commission water storage, supply and treatment services	Commission electrical systems, equipment and components (EL6) Carry out final inspection procedures for structured cabling systems (EL33) Commission environmental technology systems and components (ET3) Commission and handover environmental technology systems designs (ETH7) Commission cooling systems, equipment and components (M19) Commission mechanical systems (M27) Monitor commissioning and testing procedures for building services engineering projects (SST6) Commission building services engineering products after installation (SSTE11)	
			D34 Manage project completion, handover and feedback	D34.1 Provide information and guidance to support use and maintenance planning of property, systems and services D34.2 Manage project handover D34.3 Obtain and evaluate project feedback information and make improvements	D34.1 Provide information and guidance to support use and maintenance planning of property, systems and services D34.2 Manage project handover D34.3 Obtain and evaluate project feedback information and make improvements			ET1 10 Provide technical and functional information to relevant people MPS Elec/Inst 15: Handover plant and equipment MPS Mech 17: Hand over mechanical plant and equipment PC46 Calculate activity completion data PC50 Ensure the completion of project control activities PC51 Evaluate project controls performance and project information and data PM 42 Control hand-over of responsibility for the project PM 43 Obtain and evaluate feedback on project performance PM 45 Ensure the completion of project activities PM 46 Evaluate projects	GLPG 5.12/W10.13 Handover works	FSB10 Complete installation and handover to customer MPD3.5 Evaluate the outcomes of projects		
			D35 Implement contract determination rules	D44.1 Initiate contract determination procedures D44.2 Implement and account for completion arrangements	D44.1 Initiate contract determination procedures D44.2 Implement and account for completion arrangements					GLPG12.5.3/R25.6.3 Determine contracts		
			D4 Resolve and adjudicate on disputes	D41 Evaluate and resolve disputes	D41.1 Evaluate potential implications for the resolution of disputes D41.2 Evaluate information relevant to a dispute D41.3 Negotiate and progress the resolution of a dispute	D41.1 Evaluate potential implications for the resolution of disputes D41.2 Evaluate information relevant to a dispute D41.3 Negotiate and progress the resolution of a dispute	D8.4 Resolve contractual disputes		C1.7 Resolve Problems	W129.7 Determine the resolution of contractual disputes		
				D42 Prepare and present evidence on disputes	D42.1 Prepare evidence for submission D42.2 Present evidence to legally constituted adjudicating bodies	D42.1 Prepare evidence for submission D42.2 Present evidence to legally constituted adjudicating bodies				GLPG12.5.1/R25.6.1 Prepare and present evidence on disputes		
				D43 Adjudicate disputes	D43.1 Prepare for dispute hearings D43.2 Arrange and conduct adjudication procedures	D43.1 Prepare for dispute hearings D43.2 Arrange and conduct adjudication procedures				GLPG12.5.2/R25.6.2 Adjudicate disputes		
			D5 Manage and respond to incidents and emergencies	D51 Manage incidents and emergencies		FM.4.5.5-6 Manage incidents and emergencies				GLPG15.2/W4.16.5 Manage incidents and emergencies R6.12 Specify incident procedures (pollution and accident) W2.12 Plan for Disasters and Emergencies W4.16.3 Establish contingency arrangements to minimise operational impact of incidents and emergencies W17.12 Specify incident procedures (pollution, flood control, loss of supply, supply shortages) W15.1.3. Prepare contingency plans (for emergencies and incidents)		
				D52 Respond to incidents and emergencies						GLPG9.3.1 Follow procedures related to gas emergencies GLPG9.3.2 Deal with emergencies GLPG17.3.6 Investigate gas emergencies R10.1/W16.3 Investigate suspicious circumstances W3.21 Respond to Emergency Incidents W4.16.6 Monitor, analyse and report on accidents and incidents W4.19.6 Investigate and report on accidents, incidents and emergencies W6.3.5 Follow incident and emergency procedures W19.4 Respond to incidents & emergencies		Carry out emergency work on highway electrical systems (EL31)
			E1 Value, survey and assess property	E11 Appraise and value property	E11.1 Recommend and agree an appraisal and valuation process E11.2 Evaluate property for appraisal and valuation E11.3 Prepare and present appraisal and valuation reports and assess compensation	E11.1 Recommend and agree an appraisal and valuation process E11.2 Evaluate property for appraisal and valuation E11.3 Prepare and present appraisal and valuation reports and assess compensation	FM.4.1 Evaluate sites for facilities management Services					
					E12 Survey, assess and record the condition of property	E12.1 Recommend and agree a condition survey process E12.2 Inspect property for condition E12.3 Prepare and present condition survey reports and records	E12.1 Recommend and agree a condition survey process E12.2 Inspect property for condition E12.3 Prepare and present condition survey reports and records	FM.4.8.2-6 Inspect facilities and operations	C1.5 Inspect and Record Details	GLPG4.2.3 Investigate condition and compliance of installations & systems R6.4.4 Carry out a condition survey R6.5.2 Maintain records on the condition of assets W17.5 Maintain asset records		
				E2 Assess and provide advice on the energy performance of buildings	E21 Prepare for the assessment of the energy performance of buildings		E.A1: Agree and confirm instructions to assess the energy performance of buildings E.A2: Obtain and review existing information relating to the energy performance of buildings E.A3: Evaluate existing information to inform the sampling of units for inspection					
E22 Assess and certify the energy performance of buildings	E22.5 Assess and provide for the conservation of energy use E12.4 Collate and evaluate information for the assessment of energy efficiency	E.A4: Assemble a portfolio of relevant documentation E.B1: Assess the energy performance of newbuild dwellings prior to first occupancy E.B2: Assess the energy performance of existing dwellings being sold or rented out E.B3: Assess the energy performance of newbuild non-dwellings prior to first occupancy E.B4: Assess the energy performance of existing non-dwellings being sold or rented out E.B5: Determine an operational rating for buildings that require Energy Performance Certificates for Public Display E.B6: Assess the energy performance of boilers and heating systems E.B7: Inspect air conditioning systems in order to assess their energy performance E.C3: Issue Energy Performance Certificates						GLPG17.4.4 Monitor and evaluate energy efficiency				
E23 Manage and identify improvements to the energy performance of buildings		E.C1: Identify recommendations for the improvement of the energy performance of buildings E.C2: Report on the energy performance of buildings and advise on ways in which it can be improved						GLPG17.4.1 Identify the scope for improvement in the way organisations manage energy GLPG17.4.5 Identify improvements to energy efficiency W19.2 Manage energy	MPB2.2 Improve the energy efficiency of manufacturing and processing facilities			

Key Purpose	Key Competence Area	Key Role	Key Unit	BESA SSCs/SSBs					ProSkills	SummitSkills
				CIC	AssetSkills	CITB-CS	ECITB	EUSkills		
E Assess and manage the sustainability, use and maintenance of property and operation of utilities in the natural and built environment	E3 Progress property transactions and agreements	E31 Progress property disposals	E21.1 Identify and agree client's requirements E21.2 Prepare individual properties for disposal E21.3 Promote the disposal of properties					R24.2 Dispose of recycling and recycling-related assets W128.3 Dispose of water and water-related assets W128.4 Dispose of property assets		
		E32 Process property acquisitions	E22.1 Identify and agree clients' property requirements E22.2 Identify and evaluate property options E22.3 Negotiate, agree and complete transactions for property acquisition	FM.4.2 Provide support on the Acquisition of Facilities				R24.1 Acquire recycling assets and recycling-related assets W4.2 Acquire Sites for Waste Management Facilities W128.1 Acquire water assets and water-related assets W128.2 Acquire property assets		
		E33 Process property agreements	E23.1 Identify clients and negotiate property agreements E23.2 Complete legal documents and agreements for property transactions E23.3 Implement and advise on compulsory purchase and related entitlement procedures E23.4 Implement compulsory purchase and related entitlement procedures					R29.1.6/W15.1.6 Agree asset acquisitions and disposals		
		E41 Develop and implement property and facilities management plans	E33.1 Plan and schedule the maintenance of property, systems and services E33.2 Implement the maintenance of property, systems and services	FM.2.2 Develop facilities management systems to support and encourage best practice FM.2.5 Specify integrated facilities management and quality assurance systems				R8.1/W18.1 Agree amenity and environmental management requirements R8.2 Si W18.2 Specify facilities management requirements		
		E42 Manage property use	E32.1 Monitor and control the use of property E32.2 Calculate, collect and account for income and expenditure on property	FM.3.1 Manage property FM.3.3 Maintain, interpret and report on operational data FM.4.3.1-4 Manage space				R6.5.1&3 Maintain asset records W4.10 Manage Transport Fleet W4.11 Manage Fleet Equipment Systems W111.7 Establish and maintain records on asset utilisation, maintenance and performance		
		E43 Manage and implement the maintenance of property, systems and services	E31.1 Evaluate options and select property management objectives and plans E31.2 Allocate space and facilities to meet identified requirements	FM.4.4 Manage planned and unplanned site maintenance programmes			MPS Elec 7: Monitor the performance and condition of electrical plant and equipment MPS Elec 8: Assess the performance and condition of electrical plant and equipment MPS Elec 9: Diagnose and determine the causes of faults in electrical plant and equipment MPS Elec 17: Determine the feasibility of repair of components from electrical plant and equipment MPS Elec 20/MPS Inst 19/MPS Mech 21: Establish that an engineering maintenance process has been completed to specification MPS Inst 7: Monitor the performance and condition of instrument and control systems MPS Inst 8: Assess the performance and condition of instrument and control systems MPS Inst 16: Determine the feasibility of repair of components from instrument and control systems MPS Mech 7: Monitor the performance and condition of mechanical plant and equipment MPS Mech 8: Assess the performance and condition of mechanical plant and equipment MPS Mech 9: Diagnose and determine the causes of faults in mechanical plant and equipment MPS Mech 18: Determine the feasibility of repair of components of mechanical plant and equipment	GLPG14.2.4 Investigate breakdowns & failures in installations & systems GLPG17.3.2 Inspect & approve maintenance operations & emergency plans R6.3 Estimate resource requirements for development, replacement and planned maintenance programmes R6.9/W17.9 Prepare schedules for planned and periodic maintenance of assets R27.3/W131.4 Manage planned maintenance programmes W4.14 Manage Planned Site Maintenance Programmes W15.1.2 Plan maintenance programmes	MPA3.1 Plan the maintenance of manufacturing and processing facilities	
	E44 Conduct cleaning		C.A2.1/3 Conduct low risk area cleaning and maintenance C.A3.1-2 Conduct high risk area cleaning C.A5 Ensure safe use, storage and disposal of cleaning agents	C3.4.5 Clean Masonry and Non-masonry Services				MPA3.4 Clean manufacturing and processing facilities		
	E5 Manage, operate and maintain utility systems	E51 Manage the operation of utility systems						GLPG 14.1 Manage commercial operations for gas supply GLPG 14.2 Manage operations GLPG 14.4 Manage manufacturing operations LPG 14.5 Manage LPG storage and distribution operations G 14.5 Manage System Operations GLPG 14.6 Develop operating procedures & servicing plans GLPG15.3.3 Specify performance standards for gas supply GLPG15.3.4 Specify performance standards for LPG/LNG distribution services GLPG17.2.4 Devise & operate certification & registration schemes for the gas industry W131.3 Manage water and waste water operations W131.5 Manage amenity services W131.7 Develop operating procedures and servicing plans W15.4 Prepare management plans for water supply, distribution, waste water collection and related services	CWP14 Exchange responsibility for control of process operations	
		E52 Operate and maintain utility systems						GLPG 7.1 Operate the transmission/transportation & storage network GLPG 7.2 Distribute bulk LPG/LNG G 7.3 Containerise LPG LPG 7.3 LPG refilling GLPG 8.1/W116.2 Read meters GLPG 8.2 Test and maintain meters GLPG 8.3 Investigate suspicious circumstances G9.1 Monitor & control gas quality LPG 9.1 Monitor & control the quality of LPG installations GLPG 12.1 Trade Gas GLPG17.3.3 Inspect gas transmission and storage systems for compliance W19.3 Calculate propose and agree tariff levels W113.2 Preparing chemicals for use in treatment plant W114.2 Operate the water distribution system W115.1 Operate the sewerage system W15.4 Prepare management plans for water supply, distribution, waste water collection and related services W116.1 Install, maintain, test and calibrate meters W119.1 Maintain quality monitoring and recording systems W121.1 Schedule fleet operations W123.2 Advise on treatment processes W124.1 Provide water transport services W126.1 Generate power W126.2 Operate and maintain power transmission and distribution systems W117.1 Monitor network for pressure, leakages and ingress W117.2 Respond to pressure drops and emergency leakage incidents W117.3 Carry out routine procedures to maintain pressure and reduce leakage		
	E6 Manage and operate recycling services and processes	E61 Manage recycling services						R5.4 Prepare management plans for recycling collection, processing and related services R6.7 Specify recycling processes and related projects R6.10 Specify monitoring and control systems for recycling services and for related public health and environmental protection requirements R6.11 Specify operating procedures for recycling collection, segregation, storage, transport and processing R6.13 Advise customers on recycling collection and processing systems R16.1 Monitor requirements for processing R21.1 Monitor and evaluate treatment processes R21.2 Advise on treatment processes R22.2 Maintain the compliance of recycling services R27.1 Manage commercial operations for recycling services R27.4.3-6 Manage recycling services and facilities R27.5 Develop operating procedures and servicing plans		
		E62 Operate recycling processes			3.31.4 Recycle/salvage usable components/materials			R16.2 Process recyclable products for commercial applications R17.1 Inspect for compliance with recycling quality standards	MPB2.3 Recycle surplus materials M2M30 Salvage Plant & Equipment from Mining Operations	
		E71 Manage waste disposal processes						R20.4 Identify regulatory changes affecting the operation of waste management facilities W2.4 Plan Waste Management Facilities and Services W2.5 Plan and Schedule Waste Handling and Transfer Services W2.6 Specify Methods for Assessment, Evaluation, Sorting and Storage of Waste W2.7 Specify Waste Treatment and Processing W2.8.3 Specify procedures for transfer to disposal sites W2.9 Specify Integrated Waste Management and Quality Assurance Systems W4.4.5 Manage the transition process as new facilities come on stream W4.5.4 Develop and agree the operating plan W4.5.5 Prepare the waste management site for operations W4.5.7 Prepare operating procedures W4.7 Manage Waste Management Facilities W4.8 Manage Treatment Operations W4.9.3-5 Manage Residue Disposal Operations W4.13 Control Treatment Processes W4.19.2-6 & 7-8 Inspect Facilities and Operations		
	E7 Manage and process the disposal									

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	ECITB	BESA SSCs/SSBs	EUSkills	ProSkills	SummitSkills	
		of waste	F2 Process the disposal of waste		C.A2.2 Dispose of non-hazardous waste C.A3.3 Identify, report and remove hazardous waste	C3.2.3 Remove Waste Material			GLPG 5.9.2 Dispose of surplus materials & waste GLPG 5.10.11 Make good & dispose of waste W3.2 Assess Waste W3.3 Identify Waste W3.4 Handle Waste (Manual) W3.5 Sort Waste (Manual) W3.6 Handle Waste (Mechanical) W3.7 Store Waste W3.9 Clean Waste W3.10 Process Waste W3.11 Contain Waste W3.14 Transport Waste On-Site W3.16 Operate Transfer Stations W10.12.4-7 Re-instate sites & dispose of waste W18.1 Monitor requirements for sludge treatment and disposal W18.2 Process sludge W18.3 Transport sludge & biosolids W18.4 Process biosolids for commercial applications W12.2 Collect and deliver waste water and effluents	CWP9 Separate and dispose of processing materials, by-products and wastes FSB12 Remove materials containing asbestos cement G6 Make safe damaged glass on site M2M29 Separate and dispose of wastes and by-products from Mining and related processing activities MPB2.4 Treat waste materials before disposal or dispersal MPB2.5 Dispose of waste materials MPC3.6 Dispose of materials at manufacturing and processing facilities	Apply environmental legislation, working practices and principles (E1.2, E1.1, E1.2, M2)	
	F1 Lead the development of organisations		F11 Develop organisations	F11.1 Map the environment in which your organisation operates F11.2 Build your organisation's understanding of its market and customers F11.3 Develop a customer focused organisation F11.4 Develop the culture of your organisation F12.1 Identify and investigate values and issues which affect the organisation's operations	FM.1.4 Develop Codes of Practice FM.2.3 Develop organisation strategies for changes in regulations FM.6.7 Maintain values				GLPG17.1W6.8 Maintain values R29.3.9W133.3.9 Review external and internal operating environments R29.3.10W133.3.10 Establish strategies to guide the work of the organisation R36.1W40.1 Maintain values and protect reputation W5.2.8 Monitor and review changes to the external and internal operating environments and take appropriate decisions to act W5.2.9 Establish strategies to guide the work of the organisation			
		F12 Plan the development of organisational products, services and processes	F12.1 Identify and resource the research and development of new products and services to meet market needs F12.3 Plan the development of new and innovative operational processes, methods and techniques F12.4 Identify, monitor and respond to legal and statutory requirements F12.5 Develop and maintain a policy to maximise client and customer satisfaction F12.6 Establish a marketing strategy and corporate image F11.5 Manage risk	C.C2.1-3 Assess and manage risks C.D1.1 Identify business opportunities C.D1.2 Market and sell the business C.D7.1 Ensure statutory requirements are followed C.D7.2 Ensure company policy is followed and maintained C.E2.1 Comply with insurance requirements C.E3 Comply with legal requirements FM.2.7 Establish a facilities management communication strategy FM.5.8.1 Plan for managerial succession in the provision of facilities management FM.2.6 Plan for business continuity			GLPG2.3.2 Develop the marketing plan GLPG2.3.4 Develop customer service policy GLPG2.3.5 Develop risk management strategies GLPG2.4.1R7.1 Plan the introduction of changes arising from legislation, new technologies and improved performance standards GLPG4.5.1 Evaluate new design concepts and product improvements GLPG4.7.1 Evaluate new or required changes to customer support services GLPG4.7.2 Evaluate costs, risks and benefits of alternative options GLPG4.7.3 Develop, evaluate and market test customer support services GLPG4.7.4 Specify new or required changes to customer support services GLPG10.1.4 Commission advertising GLPG10.1.5 Respond to adverse publicity and feedback from customers & the public GLPG10.1.6 Promote and protect the 'image' of the organisation GLPG15.3.5 Specify performance standards for customer care GLPG17.2 Maintain compliance with quality standards & national and international regulations GLPG17.2.9 Comply with regulatory requirements (e.g. insider d R3.6 Develop strategies for market development R30.1W6.7W134.1 Maintain public confidence in the services pr Waste Management Services W2.3.3 Develop compliance strategies W5.9.1 Plan for managerial succession in the organisation W138.1 Account for performance to statutory bodies W138.2/R34.2 Maintain compliance with quality standards & nation R34.1 Account for performance to statutory bodies	MPB3.4 Identify product defects MPB3.5 Identify potential improvements to products MPD1.2 Evaluate existing products				
		F13 Lead, plan and implement change	F13.1 Lead change F13.2 Plan change F13.3 Implement change	FM.5.12 Manage Change				R3.5W13.6 Manage change R29.3.8W5.2.7W133.3.8 Manage change in organisational activities WW2.3.4 Develop strategies to manage change W5.2.3 Make changes to improve the business				
		F21 Prepare business plans	F21.1 Establish, implement and improve a business plan					GLPG2.3.1 Develop the business plan R29.3.4W5.2.4W133.3.4 Take key decisions that affect the business R3.3W13.3 Develop business policies & plans W5.2.1 Prepare and implement the business plan W5.2.6 Limit liabilities and protect the assets of the organisation	MPA1.2 Develop business plans for manufacturing and processing facilities			
		F22 Manage budgets, finances and resources	F22.1 Prepare and publish financial plans F22.1 Manage a budget F22.2 Manage finance for your area of responsibility F23.1 Allocate organisational budgets for projects	C.D4.1-3 Source and dispose of equipment, machinery and materials C.D5.1-4 Specify, procure and manage resources C.D10.1 Set and manage budgets C.D10.2 Work within budgets C.H4.1-2 Manage and deploy resources FM.5.6 Manage resources FM.5.7 Manage Finance				GLPG16.3R35.2W5.5 Manage Resources R29.2W133.2 Manage physical resources R29.4W5.6W133.4 Manage finance W2.3.1 Develop business strategies W2.3.2 Seek and obtain funding W19.1 Estimate income from service utilisation W2 Estimate income from other sources W131.1 Manage commercial operations for water supply, collection, treatment and associated activities	DD05 Manage finance for your area of responsibility MPG3.5 Control income generation in manufacturing and processing facilities MPG3.6 Control expenditure in manufacturing and processing facilities MPG3.7 Control capital in manufacturing and processing facilities MPG3.8 Set budgets and financial targets for manufacturing and processing facilities			
		F23 Control income and expenditure	F23.2 Recover and record income due F23.3 Update budget and cash flow against variances and contingencies	PM 40 Monitor income and expenditure				GLPG11.4R32.4W136.5 Process customer transactions GLPG15.1.3 Manage billing & customer accounts R31.1W135.3 Collect income from commercial activities R31.2W5.8W135.4 Recover debt W3.24 Deal with Transactions W5.7 Recover Costs of Regulation and Enforcement W135.1 Calculate and collect income from metered users W135.2 Collect income through rating system	MPF1.5 Obtain payments for products MPG3.1 Establish accounting procedures for manufacturing and processing facilities MPG3.2 Implement accounting procedures for manufacturing and processing facilities MPG3.3 Maintain accounts for manufacturing and processing facilities MPG3.4 Control cash flow in manufacturing and processing facilities			
		F24 Manage business processes and improve performance	F24.1 Manage business processes F24.2 Improve organisational performance	FM.5.2.9 Manage business systems and related services FM.6.4 Manage and maintain Total Quality Management systems				GLPG2.3.3 Develop the quality management plan GLPG16.5W5.13 Manage Activities R29.3.1-3.5-7&11W133.3.1-3.5-7&11 Manage business systems and related services R34.4W138.4 Establish and maintain quality assurance systems W3.20 Maintain, Interpret and Report on Operational Data W5.2.2 Improve the quality of products and services W5.2.10 Evaluate and improve organisational performance W6.4 Manage Quality	CWP15 Contribute to the improvement of routine working practices MPB3.1 Establish quality assurance systems and procedures MPB3.2 Maintain quality assurance systems and procedures MPH3.3 Produce organisational guidelines and procedures for manufacturing and processing facilities MPH3.4 Develop systems for implementing organisational guidelines and procedures in manufacturing and processing facilities MPH3.5 Support improvements to efficient working practices P1 Assist in the efficiency of the workplace P6/PL2/WB2 Conform to efficient work practices SF1 Contribute to an efficient and effective work environment			
		F3 Manage human resource recruitment, development and welfare	F31 Plan and implement human resourcing policy	F14.1 Establish, implement and monitor human resourcing policy F14.2 Monitor and report on the progress of equal opportunity policies and initiatives	C.D3.1 Identify skill requirements and development opportunities FM.5.8.15 Deploy personnel and plan for redeployment			W5.9.3 Develop human resources				
			F32 Recruit and plan the workforce	F15.1 Recruit, select and keep colleagues F15.2 Plan the workforce	C.H3.1 Interview candidates and contribute to selection FM.5.8.8 Select personnel for activities			R29.8.1W5.9.9W133.6.1 Select personnel for activities R29.8.2W133.6.2 Contribute to the selection of personnel for activities R29.8.5W5.9.15W133.6.5 Redeploy personnel and make redundancies	MPH2.1 Recruit people to work in manufacturing and processing facilities MPH2.2 Select people to undertake work in manufacturing and processing facilities			
			F33 Develop plans for learning and development	F16.1 Develop a plan for learning and development F16.2 Evaluating how effective the learning and development process is F16.3 Produce a learning and development programme for the organisation	C.D3.2 Identify tools/ signposting for developing key/basic skills among workforce C.H2.1 Assess training needs C.H2.2 Draw up and implement a training plan D3.3 Provide learning/training opportunities for staff FM.5.8.3 Develop human resources FM.6.6.1-4 Develop and train personnel			R33.1W137.1 Train and develop people W6.6 Develop and Train Personnel	MPH1.1 Identify the training and development needs of people in manufacturing and processing facilities			
	F34 Establish, maintain and improve health, safety and welfare policies and systems		F17.1 Develop and maintain strategic health and safety policy F17.2 Develop and maintain organisational policy on the welfare of personnel	C.C1.1-7 Implement health, safety and security measures C.E5.1-3 Report offences and accidents C.G1.1-2 Apply food safety and hygiene procedures C.G2.1-2 Apply infection and hygiene measures FM.5.8.9 Negotiate, implement and control a salary structure and system of reward FM.5.9 Manage staff welfare FM.5.10 Manage employee relations FM.6.1 Support the promotion of health, safety and sustainable environmental culture FM.6.2 Implement effective health, safety and environmental protection systems FM.6.3 Maintain a safe and compliant healthy working environment	C1.1 Conform to General Workplace Safety C1.4 Provide Site and Workplace Security and Safety	GLPG2.3.6/R3.3.6/R3.37 Develop policies and strategies for health, safety and environmental stewardship R33.2W5.10.1-2W137.2 Manage staff welfare R33.3W5.11W137.3 Manage employee relations R34.5.3-10&12-16W136.5.3-10&12-16 Maintain a healthy and safe working environment W5.9.9 Develop and maintain a salary structure and system of reward W6.1 Promote a Health, Safety and Environmental Culture W6.2 Implement Effective Health, Safety and Environmental Protection Systems	MPB1.1 Assess health, safety, and security risks at manufacturing and processing facilities MPB1.2 Identify health and safety hazards at manufacturing and processing facilities MPB1.3 Promote health, safety, and security procedures at manufacturing and processing facilities MPB1.4 Maintain health and safety at manufacturing and processing facilities MPB1.5 Monitor health, safety, and security hazards at manufacturing and processing facilities MPB1.6 Investigate health, safety, and security incidents at manufacturing and processing facilities					

Key Purpose	Key Competence Area	Key Role	Key Unit	CIC	AssetSkills	CITB-CS	ECITB	BESA SSCs/SSBs	EUSkills	ProSkills	SummitSkills
F Develop and manage organisational and individual performance within the natural and built environment	F4 Manage organisational systems, services and research	F41 Provide support for the planning, implementation and monitoring of administrative services	F31.1 Establish the support required to plan and implement administrative services F31.2 Provide the support required to plan and implement administrative services F31.3 Implement administrative services F31.4 Monitor and maintain administrative services	C.D8.1.2 Maintain records and record-keeping systems E.D1: Manage physical and financial resources E.D2: Manage self and others E.D3: Manage relationships with staff and colleagues E.D4: Manage information FM.1.3 Develop facilities management systems FM.2.4 Plan support activities FM.3.2 Management of support activities FM.3.4: Respond to internal and external customers FM.5.8.2,4-7,10-14 Manage people							
		F42 Establish and operate technical information systems	F33.1 Commission and set up technical information storage systems F33.2 Operate technical information systems	FM.5.11 Manage Information	1.24 Store information for ease of retrieval		GLPG15.1.4 Manage information services R.D29.5/WI33.5 Manage information systems R6.6/WI7.6 Specify data and systems requirements W5.12 Manage Information WI31.6 Manage and control, data and information systems and services	MPG4.1 Plan information and recording systems in manufacturing and processing facilities MPG4.2 Exchange information in manufacturing and processing facilities MPG4.3 Record and store information in manufacturing and processing facilities			
		F43 Operate customer service processes	F36.1 Solve immediate customer service problems F36.2 Identify repeated customer service problems F36.3 Take action to avoid repetition of customer service problems	C.F1.1-2 Meet customer requirements C.F2.1-6 Assist customers and resolve problems	C1.6 Customer Care		GLPG10.2.7 Provide technical advisory service for customers GLPG10.2.8 Provide technical support services to customers GLPG11.1.1/1.1.2.1 Call Centre Operations GLPG11.3.1 Investigate complaints GLPG11.3.2 Resolve problems with customers GLPG15.1.1 Manage call centre operations GLPG15.1.6 Manage & maintain a customer service network R28.1/WI32.1 Manage customer services R32.1/WI36.1 Provide effective customer services R32.3/WI36.4 Deal with customer complaints W3.22 Respond to Stakeholder and Customer Enquiries W6.5 Manage and Maintain Customer Care WI36.3 Provide the customer information service	MPP4.4 Improve customer care WB7 Contribute to the provision of customer service			
		F44 Establish and plan research projects	F37.1 Identify, evaluate and prioritise areas for research F37.2 Establish research project objectives and commission projects F37.3 Develop and implement research project methods and programmes				GLPG2.1/R3.1/W2.1.1/WI3.1 Direct research & development activities GLPG15.3.7 Research and develop improvements to practice R6.1.4 Specify data requirements from operational research R6.2.3 Select and agree methods for operational research R6.3.3 Prepare for operational research R27.2/WI31.2 Manage research and development programmes W2.11.4 Agree a development and testing programme	MIP1.3 Undertake research to support the development of products			
		F45 Implement and evaluate research data	F38.1 Implement research data collection F38.2 Analyse and evaluate research data								
		F46 Evaluate and communicate research project findings	F39.1 Evaluate the effectiveness of results in meeting research objectives F39.2 Evaluate field tests and pilot projects F39.3 Communicate research findings and applications to potential user								
		F51 Plan how to improve your sales and marketing	F71.1 Find out about the market for the business's products or services F71.2 Plan your marketing F71.3 Plan your sales				GLPG15.1.2 Manage sales operations GLPG15.1.5 Manage & maintain a sales network W4.12 Prepare Marketing and Sales Plans	MPP1.1 Establish a marketing strategy for products			
		F52 Improve your sales and marketing	F72.1 Sell and market your products and services F72.2 Make sure that sales and marketing help the business	FM.3.5.1-3 Sell facilities management services			GLPG10.1.2 Organise promotional events RR30.2/WI34.2 Market products and services				
		F53 Explore markets abroad	F73.1 Analyse markets abroad F73.2 Plan how you will trade abroad F73.3 Prepare to trade abroad F73.4 Make sure that trading abroad benefits the business								
		F54 Plan how to develop the business using the internet	F74.1 Produce an e-business plan F74.2 Preparing to trade on the internet F74.3 Monitor the success of the website and e-trading activities								
	F55 Sell products and services to customers	F75.1 Identify the buying needs and interests of customers F75.2 Promote the features and benefits of products and services to customers F75.3 Help customers to overcome their queries and objections F75.4 Agree terms and conditions and close sales				R30.3/W3.23/WI34.3 Sell products and services R32.2/WI36.2 Provide the sales service	MPP1.3 Promote products to customers MPP1.4 Generate sales of products MPP4.1 Obtain information on customer requirements MPP4.2 Analyse customer requirements MPP4.3 Respond to customer requirements WB10 Carry out procedures for the sale of stocked materials or products				
	F56 Negotiate sales	F76.1 Plan and prepare for sales negotiations F76.2 Formulate and make proposals to agree the terms of sale F76.3 Negotiate and agree the terms of sale									
	F57 Prepare and present sales proposals and quotations	F77.1 Prepare proposals and quotations for the supply of products and services F77.2 Present proposals and quotations for the supply of products and services							MPP1.2 Determine prices for products		
	F61 Provide leadership	F41.1 Provide leadership for your team F41.2 Provide leadership for your area of responsibility F41.3 Provide leadership for your organisation								SMDA03 Provide leadership in your area of responsibility	
	F62 Allocate and monitor team work	F42.1 Allocate and check work in your team F42.2 Allocate and monitor the progress and quality of work in your area of responsibility	C.A8.1-2 Support the work of a team C.H1.1-3 Supervise teams		PC10 Provide advice and support to maintain progress PC11 Manage the project control team — agree objectives with teams and individuals PC12 Manage the project control team — allocate work PM 27/28/29/30 Manage the performance of the team - allocating work - agreeing objectives and work plans - assessing performance - providing feedback on the team's performance PM 35 Lead the project team PM 48 Manage the performance of teams and individuals - allocate work to teams and individuals PM 49 Manage the performance of teams and individuals - agree objectives and work plans with teams and individuals PM 50 Manage the performance of teams and individuals - assess the performance of teams and individuals PM 51 Manage the performance of teams and individuals - provide feedback to teams and individuals on their performance	R29.6/W5.9.2, 4-8, 10-14/WI33.6.3-4, 6-11 Manage people	DDI04 Allocate and monitor the progress and quality of work in your area of responsibility Manage the effectiveness of the workforce in the building services engineering projects work location (SSTE2)	Oversee the work environment (EL5, M5)			
	F63 Develop, maintain and enhance productive working relationships	F43.1 Develop productive working relationships with colleagues F43.2 Develop productive working relationships with colleagues and stakeholders F43.3 Develop and maintain relationships with people who are affected by your work F43.4 Maintain equality of opportunity in the development of working arrangements	C.B1.1-4 Communicate effectively C.B2.1 Present a positive image of your organisation C.B3.1-2 Handle conflict situations C.B4.1 Maintain communication with appropriate people in the organisation FM.6.5 Manage and maintain client relationship	1.1 Establish productive working relationships	DD/E/ET/IF/SS/IPS/IMP/SP/ML/MPSE/MPSP/MPSP/ND/7/QSE/PC17/W/2001 CO1: Contribute to effective working relationships PC16 Develop and maintain effective working relationships	R15.1.3 Maintain relationships with customers R27.4.1 Care for and monitor the behaviour of visitors to sites R27.4.2 Communicate with visitors, community groups and others	H5 Create effective working relationships H6/P15 Lead the work of teams and individuals to achieve their objectives MPH2.3 Assign work activities in manufacturing and processing facilities MPH2.4 Supervise people undertaking work activities in manufacturing and processing facilities MPH3.1 Develop and maintain relationships with colleagues in manufacturing and processing facilities MPH3.2 Exchange information with colleagues in manufacturing and processing facilities	Maintain effective working relationships (EL3, M3)			
	F64 Manage your own work	F44.1 Manage your own resources F44.2 Develop your personal networks F44.3 Draft documents to meet specified requirements				C1.2 Maintain Efficient Work Practices				CWP2 Support the achievement of work objectives SMDA01 Manage your own resources SMDDI01 Develop and implement operational plans for your area of responsibility SMDDI03 Manage a programme of complementary projects	Organise the working environment (EL6, M6) Prepare to carry out work (EL7, M7)
	F65 Provide ethical advice, judgement and service	F45.1 Exchange information and provide advice on technical issues F45.2 Identify, analyse and resolve complex, indeterminate situations F45.3 Practice in an ethical manner					PC18 Observe and apply professional ethics and values 2001.15 Apply professional ethics and values 2001.16 Provide technical support through advice and information	R36.2/WI40.2 Enhance ethical and occupational practice		Provide relevant people with technical and functional information (EL4, M4) Provide technical and functional information to relevant people (SST7)	
	F66 Advance and develop occupational knowledge and practice	F46.1 Contribute to advances in knowledge and theory which underpin occupational practice F46.2 Contribute to advances in occupational practice F46.3 Undertake personal development in the occupational practice area F46.4 Enable others to learn and benefit from your experience	C.D9.1-2 Develop self		PC13 Manage the continuing development of your personal and project control professional skills PC14 Develop yourself in the project control work role PC15 Develop the skills of your project control team members 2001.14 Maintain and develop own engineering expertise		CWP3 Support your own and others' improvement at work SMDA02 Manage your own resources and professional development				
	F67 Organise and participate in meetings	F32.1 Prepare for formal meetings F32.2 Facilitate formal meetings F32.3 Record formal meetings and follow up the decisions taken F32.4 Chair meetings F32.5 Participate in meetings									
	F68 Use IT systems and software	F34.1 Make general use of IT F34.2 Use IT systems F34.3 Use IT to exchange information F34.4 Use IT software F34.5 Use IT for different purposes									

Key Purpose	Key Competence Area	Key Role	Key Unit	BESA SSCs/SSBs							
				CIC	AssetSkills	CITB-CS	ECITB	EUSkills	ProSkills	SummitSkills	
			F69 Ensure your actions reduce risks to health and safety	F35.1 Identify the hazards and evaluate the risks in your workplace F35.2 Reduce the risks to health and safety in your workplace	C.OS.1-2 Work alone		DD/ET/ETH/SS/IPS/PSM/PS/ML/MPSE/MP/PS/MP/NDT/QSE/W.CO2: Work safely and comply with emergency procedures E/ET/IFSS/IPS/PSM/PS/ML/MPSE/MP/PS/MP/NDT/QSE/W.CO3: Deal with hazards in the work environment	R34.5.1 Control risks to health and safety including hazardous substances R34.5.2 Conduct an assessment of risks in the workplace R34.5.11 Contribute to a safe working environment for self and others W5.10.3/WI38.5.2 Conduct an assessment of risks in the workplace W5.10.4/WI38.5.1 Control risks to health and safety W6.3.1-4&6 Maintain a Safe and Healthy Working Environment WI38.5.11 Contribute to improved control of health and safety risks WI38.5.17 Contribute to maintaining control of radiation risks WI38.5.18 Carry out radiological surveillance in the workplace	LWP1 Meet safety, health and environment requirements in the workplace FSB1 Maintain health and safety in workplaces P2/PL1 Conform to general workplace safety P3 Contribute to a positive health, safety and environmental culture in extractive industries sites SF2 Contribute to health and safety in the workplace SMDA04/WB1 Conform to general workplace safety	Apply Health and Safety Legislation and Working Practices (EL1, M1)	
		F7 Develop learning and the assessment of people	F71 Identify learning aims and programmes	F51.1 Review learning and development achievements and opportunities F51.2 Identify and agree learning aims and programmes							
			F72 Prepare learning materials and deliver training	F52.1 Develop learning materials F52.2 Choose materials to support learning F52.3 Identify options for training sessions F52.4 Deliver training sessions for learners	FM.6.6.5 Develop resources and materials for training provision					MPH1.3 Train people to undertake activities in manufacturing and processing facilities MPH1.4 Coach and instruct people to undertake activities in manufacturing and processing facilities	
			F73 Assess and support performance and competence achieved in the workplace	F53.1 Assess performance in the workplace against agreed standards F53.2 Support competence achieved in the workplace						MPH1.5 Assess people undertaking activities in manufacturing and processing facilities	
			F74 Assess candidates using a range of methods	F54.1 Develop plans for assessing competence with candidates F54.2 Judge evidence against criteria to make assessment decisions F54.3 Provide feedback and support to candidates on assessment decisions F54.4 Contribute to the internal quality assurance process	FM.6.6.6-7 Assess and certify occupational competence						
			F75 Assess candidates' performance through observation	F55.1 Agree and review plans for assessing candidates' performance F55.2 Assess candidates' performance against the agreed standards F55.3 Assess candidates' knowledge against the agreed standards F55.4 Make an assessment decision and provide feedback							
Functional Maps/NOS suites included				Built Environment (Professional, Managerial and Technical) - Functional Map	C = Cleaning & Support Services - Functional Map	Built Environment (Craft) - Competence Statements	DD = Design and Drafting - NOS suite	G/LPG = Gas/Liquid Petroleum Gas Industry (2) - Functional Map	BL = Blasting Operations - NOS suite	EL = Electrotechnical Services	
					E = Energy Performance - Functional Map		E = Erecting - NOS suite	R = Recycling - Functional Map	CWP = Combined Work Practices - NOS suite	ET/ETH = Environmental Technologies	
					FM = Facilities Management - Functional Map		ETI = Installing & Commissioning Electrotechnical Systems & Equipment - NOS suite	W = Waste Management - Functional Map	D = Drilling - NOS suite	M = Mechanical Services	
							FSS = Fabricating of Steel Structures - NOS suite	WI = Water cycle - Functional Map	FS = Installing Domestic Fascias, Soffits & Bargeboards - NOS suite	SST/SSTE = Building Services Engineering	
							IPSI = Installing Plant & Systems - Instrument Pipefitting - NOS suite		G = Glazing - NOS suite	Entries in italics indicate that the NOS have recently been developed, reviewed or revised and have been submitted to UKCES for approval.	
							IPSM = Installing Plant & Systems - Mechanical - NOS suite		H = Health, Safety & Environmental Management in the EMP Processing Industries - NOS suite		
							IPSP = Installing Plant & Systems - Pipefitting - NOS suite		M = Mining Operations - NOS suite		
							ML = Moving Loads - NOS suite		MP = Manufacturing and Processing - Functional Map		
							MPSE = Maintaining Plant & Systems - Electrical - NOS suite		P = Processing Operations - NOS suite		
							MPSI = Maintaining Plant & Systems - Instrument & Controls - NOS suite		PL = Plant Operations - NOS suite		
							MPSM = Maintaining Plant & Systems - Mechanical - NOS suite		SF = Shotfiring Operations - NOS suite		
							NDT = Non Destructive Testing - NOS suite		SM = Surface Mineral Development - NOS suite		
							PC = Project Control - NOS suite		WB = Weighbridge Operations - NOS suite		
							PM = Project Management - NOS suite				
							QSE = Supporting Engineering Construction Activities - NOS suite				
							PM = Project Management - NOS suite				
							QSE = Supporting Engineering Construction Activities - NOS suite				