

Functional Map - Land-based Engineering Operations

Industry key purpose: To supply, maintain and repair land-based equipment and machinery.

Key Area	Key Function	Function	Activity/NOS Title	NOS Code	SSC
Manage the workforce and the organisation	> Staff management	> Manage work activities	Allocate work and monitor people's performance Provide leadership to your team	COSVR713 CFAM&LBA2	Construction Skills Instructus
		> Maintain the workforce	Recruit, induct and retain employees into their roles	INSML020	Instructus
		> Develop staff	Review the skills your business needs Support employees' learning and development	CFAOP1 INSML029	Instructus Instructus
		> Manage business planning	Plan where your business is going	CFADB3	Instructus
	> Business strategy, policy and planning	> Manage the business	Carry out plans for your business Implement and evaluate strategic and operational business plans Implement organisational procedures in land-based engineering	CFADB5 INSML043 LANLEO2	Instructus Instructus Lantra
		> Comply with legislation and other requirements	Ensure compliance with legal, regulatory, ethical and social requirements Keep up to date with current legislation affecting your business	INSML013 CFALG2	Instructus Instructus
	> Resources	> Manage resources	Manage the effective use of resources	SFJEFSM12	Skills for Justice
	> Finance	> Obtain finance	Get finance for your business	CFAMN7	Skills CFA
		> Manage cash flow	Decide on your financial needs	CFAMN1	Instructus
			Set and monitor financial targets for your business	CFAMN2	Instructus
			Keep financial records for your business	CFAMN3	Instructus
			Manage cash flow in your business	CFAMN4	Instructus
			Get customers to pay on time Manage budgets	CFAMN5 CFAM&LAE4	Instructus Instructus
	> Business improvement	> Manage innovation and improvement	Improve the quality of products or services	CFADB7	Instructus
	> Information and communications	> Maintain records	Maintain and store records within the workplace	LANCS5	Lantra
	> Quality control	> Manage quality systems	Manage quality assurance systems Carry out and participate in quality audits	INSML053 INSML054	Instructus Instructus
	> Contracts	> Tender for contracts	Develop, negotiate and agree proposals to offer land-based services and products	LANCS47	Lantra
Maintain health, safety, security and the environment	> Environmental good practice	> Promote environmental good practice	Assess the environmental impact of your business	CFALG5	Skills CFA
	> Health, safety and security	> Maintain health, safety and security	Provide a safe, healthy and secure working environment Monitor and maintain health, safety and security Work safely in the land-based engineering work area	LANCS80 LANCS2 LANLEO1	Lantra Lantra Lantra
		> Manage incidents and emergencies	Manage incidents and emergencies in the land-based sector	LANCS10	Lantra
	> Personal development	> Improve your own skills and knowledge	Develop self and improve own performance in a business environment Develop your knowledge, skills and competence to meet the requirements of your work Improve your business skills	INSBA003 INSML002 CFAYS3	Instructus Instructus Instructus
Manage personal skills and development	> Personal skills	> Maintain and use personal skills	Use information for decision making Use IT to support your role	INSML014 CFASAA231	Instructus Instructus
	> Working relationships	> Maintain productive working relationships	Establish and maintain working relationships with others	LANCS4	Lantra
	> Sales	> Sell your products or services	Sell products and services	INSML049	Instructus
Provide goods and services to customers	> Customer relations	> Maintain effective customer relations	Deliver customer service within specified requirements Deliver products and services to customers	INSCS020 INSML051	Instructus Instructus
			Apply core land-based engineering principles: mechanical principles Apply core land-based engineering principles: tools and equipment	LANLEO4 LANLEO5	Lantra Lantra

Maintain land-based engineering activities	> Engineering principles	> Apply core land-based engineering principles	> Apply core land-based engineering principles: material preparation, shaping and assembling	LANLEO6	Lantra
			Apply core land-based engineering principles: calculations	LANLEO7	Lantra
			Apply core land-based engineering principles: servicing and maintenance	LANLEO8	Lantra
			Apply core land-based engineering principles: thermal joining processes	LANLEO9	Lantra
			Apply core land-based engineering principles: cooling and lubrication	LANLEO10	Lantra
	Servicing and repair	> Service and repair land-based equipment	> Carry out non high voltage operations on, near or with an electric vehicle	IMIEV01	IMI
			Isolate and re-energise high voltage systems in an electric vehicle	IMIEV04	IMI
			Service and repair engines on land-based equipment	LANLEO11	Lantra
			Service and repair clutches and other transmission controlling devices on land-based equipment	LANLEO12	Lantra
			Service and repair mechanical transmission on land-based equipment	LANLEO13	Lantra
			Service and repair braking systems on land-based equipment	LANLEO14	Lantra
			Service and repair wheeled and tracked steering systems on land-based equipment	LANLEO15	Lantra
			Service and repair tyres and tracks on land-based equipment	LANLEO16	Lantra
			Service and repair land-based cutting and mowing equipment	LANLEO17	Lantra
			Service and repair land-based harvesting and processing equipment	LANLEO18	Lantra
			Service and repair land-based soil preparation, cultivation and plant establishment equipment	LANLEO19	Lantra
			Service and repair land-based transport, handling and storage equipment	LANLEO20	Lantra
			Service and repair suspension systems on land-based equipment	LANLEO21	Lantra
			Service and repair electrical systems on land-based equipment	LANLEO22	Lantra
			Service and repair electronic control and monitoring systems on land-based equipment	LANLEO23	Lantra
			Service and repair hydraulic systems on land-based equipment	LANLEO24	Lantra
			Service and repair pneumatic systems on land-based equipment	LANLEO25	Lantra
			Service and repair transmission systems on land based-equipment	LANLEO26	Lantra
			Service and overhaul engines on land-based equipment	LANLEO31	Lantra
			Service and repair land-based treatment application equipment	LANLEO32	Lantra
	> Air-conditioning/refrigeration	> Handle, service and repair land-based air conditioning/refrigeration equipment	> Handle refrigerants	LANLEO27	Lantra
			Service and repair land-based air-conditioning/refrigeration systems	LANLEO28	Lantra
	> Handover and installation	> Handover and install land-based equipment	> Carry out the handover and installation of land-based equipment	LANLEO29	Lantra
	> Inspection and testing	> Inspect and test land-based equipment	> Inspect and test land-based machinery and equipment	LANLEO30	Lantra