

# Engineering Management

## Level 4

NVQ: 100/4393/7

SVQ: G7K624

A total of 12 assessment routes must be completed including two mandatory assessment routes and 10 optional assessment routes from Groups A-C (at least two should be from Group A and at least one from Group B).

### Mandatory Assessment Routes

EAL Assessment Route Code		QCA Code
MAN4/001	■ Develop and Maintain a Healthy and Safe Work Environment	M/102/6524
MAN4/002	■ Manage Activities to Meet Requirements	U1027774

Plus at least two from Group A:

#### Group A

MAN4/003	■ Identify Engineering Design Requirements of Clients	T/102/6525
MAN4/004	■ Produce Engineering Specifications	A/102/6526
MAN4/005	■ Identify and Define Areas of Engineering Research	F/102/6527
MAN4/006	■ Develop a Research Methodology for Engineering	J/102/6528
MAN4/007	■ Propose and Specify Engineering Research	L/102/6529
MAN4/008	■ Undertake Engineering Research	F/102/6530
MAN4/009	■ Evaluate the Results of Engineering Research	J/102/6531
MAN4/010	■ Establish an Engineering Design Brief	L/102/6532

Optional assessment routes continued on page 2



MAN4/011	■ Develop a Strategy for the Engineering Design Process	R/102/6533
MAN4/012	■ Create Engineering Designs	Y/102/6534
MAN4/013	■ Evaluate Engineering Designs	D/102/6535
MAN4/014	■ Determine the Requirements for Engineering Activities	H/102/6536
MAN4/015	■ Specify Methods and Procedures to Achieve Engineering Requirements	K/102/6537
MAN4/016	■ Schedule Activities for Engineering Methods and Procedures	M/102/6538
MAN4/017	■ Obtain Resources for the Implementation of Engineering Activities	T/102/6539
MAN4/018	■ Implement Engineering Processes	K/102/6540
MAN4/019	■ Solve Engineering Problems	M/102/6541
MAN4/020	■ Monitor and Evaluate Engineering Processes	T/102/6542
MAN4/021	■ Commission Engineering Products, Processes or Facilities	A/102/6542
MAN4/022	■ Configure Engineering Products, Processes or Facilities	F/102/6544
MAN4/023	■ Transfer Control of Engineering Products, Processes or Facilities	J/102/6545
MAN4/024	■ Propose Decommissioning of Engineering Products, Processes or Facilities	L/102/6546
MAN4/025	■ Decommission Engineering Equipment, Processes or Facilities	R/102/6547
MAN4/026	■ Analyse the Risks Arising from Engineering Activities	Y/102/6548
MAN4/027	■ Specify Risk Reduction Methods and Procedures	D/102/6549
MAN4/028	■ Investigate Incidents Relating to Engineering Activities	R/102/6550
MAN4/029	■ Implement Quality Assurance Methods and Procedures	Y/102/6551
MAN4/030	■ Improve the Quality of Engineering Products or Processes	D/102/6552

Plus at least one from Group B:

Group B

MAN4/031	■	Contribute to Improvements at Work	U1027776
MAN4/032	■	Manage the Use of Physical Resources	U1027782
MAN4/033	■	Manage the Use of Financial Resources	U1027783
MAN4/034	■	Develop Your Own Resources	U1027787
MAN4/035	■	Enhance Your Own Performance	U1027788
MAN4/036	■	Develop Productive Working Relationships	U1027790
MAN4/037	■	Select Personnel for Activities	U1027793
MAN4/038	■	Develop Teams and Individuals to Enhance Performance	U1027795
MAN4/039	■	Respond to Poor Performance in Your Team	U1027800
MAN4/040	■	Manage Information for Action	U1027803
MAN4/041	■	Facilitate Meetings	U1027804
MAN4/042	■	Provide Information to Support Decision Making	U1027806
MAN4/043	■	Promote Energy Efficiency	U1027811
MAN4/044	■	Monitor and Evaluate Energy Efficiency	U1027812
MAN4/045	■	Promote the Importance and Benefits of Quality	U1027817

Group C

MAN4/046	■ Develop Strategic Objectives for the Project	R/102/0523
MAN4/047	■ Prepare a Project Brief	H/102/0526
MAN4/048	■ Establish Requirements of the Project Management Team	M/102/0545
MAN4/049	■ Develop Operational Objectives for the Project	Y/102/0555
MAN4/050	■ Develop a Work Breakdown Structure for the Project	D/102/0573
MAN4/051	■ Specify Activities for Project Schedules	T/102/0529
MAN4/052	■ Recommend the Means of Procuring Resources for Projects	R/102/0568
MAN4/053	■ Develop a Detailed Schedule for the Project	H/102/0557
MAN4/054	■ Select and Agree a Procurement Strategy and Procedure(s)	A/102/0550
MAN4/055	■ Recommend and Agree the Type and Conditions of Contract	H/102/6553
MAN4/056	■ Co-ordinate, Monitor and Control Project Schedules	H/102/0560