

## Superseded MEM units of competency approved for an extended transition period until 31 December 2021

	Unit code	Unit title
1.	MEM12023A	Perform engineering measurements
2.	MEM12024A	Perform computations
3.	MEM13014A	Apply principles of occupational health and safety in the work environment
4.	MEM14004A	Plan to undertake a routine task
5.	MEM14005A	Plan a complete activity
6.	MEM15002A	Apply quality systems
7.	MEM15024A	Apply quality procedures
8.	MEM16006A	Organise and communicate information
9.	MEM16007A	Work with others in a manufacturing, engineering or related environment
10.	MEM16008A	Interact with computing technology
11.	MEM17003A	Assist in the provision of on the job training
12.	MEM07001B	Perform operational maintenance of machines/equipment
13.	MEM07002B	Perform precision shaping/planing/slotting operations
14.	MEM07003B	Perform machine setting (routine)
15.	MEM07004B	Perform machine setting (complex)
16.	MEM07005C	Perform general machining
17.	MEM07006C	Perform lathe operations
18.	MEM07007C	Perform milling operations
19.	MEM07008D	Perform grinding operations
20.	MEM07009B	Perform precision jig boring operations
21.	MEM07010B	Perform tool and cutter grinding operations
22.	MEM07011B	Perform complex milling operations
23.	MEM07012B	Perform complex grinding operations
24.	MEM07013B	Perform machining operations using horizontal and/or vertical boring machines
25.	MEM07014B	Perform electro-discharge (EDM) machining operations
26.	MEM07015B	Set computer controlled machines/processes
27.	MEM07016C	Set and edit computer controlled machines/processes
28.	MEM07018C	Write basic NC/CNC programs
29.	MEM07019C	Program NC/CNC machining centre
30.	MEM07020C	Program multiple spindle and/or multiple axis NC/CNC machining centre
31.	MEM07021B	Perform complex lathe operations
32.	MEM07022C	Program CNC wire cut machines
33.	MEM07023C	Program and set up CNC manufacturing cell
34.	MEM07024B	Operate and monitor machine/process
	•	Page 1 of 1



MEM18025B

MEM18026C

MEM18027C

Service combustion engines

Test compression ignition fuel systems

Overhaul engine fuel system components

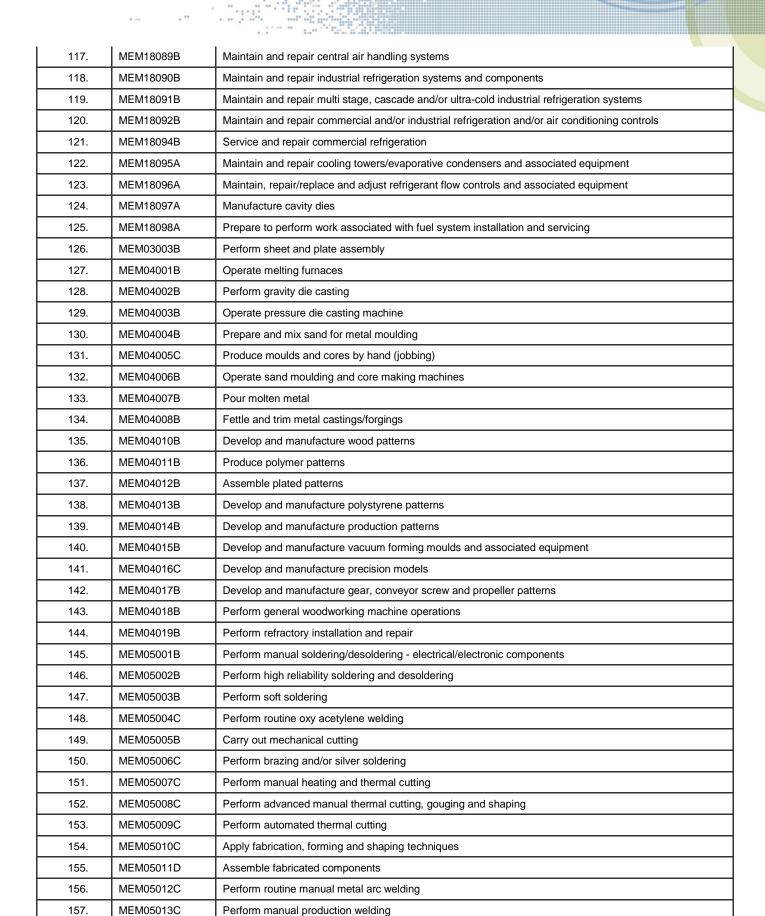
73.

74.

75.



76.	MEM18028B	Maintain engine lubrication systems
77.	MEM18029B	Tune diesel engines
78.	MEM18030B	Diagnose and rectify low voltage electrical systems
79.	MEM18031B	Diagnose and rectify low voltage starting systems
80.	MEM18032B	Maintain induction/exhaust systems
81.	MEM18033B	Perform engine bottom-end overhaul
82.	MEM18034B	Perform engine top-end overhaul
83.	MEM18035B	Diagnose and rectify braking systems
84.	MEM18037B	Diagnose and rectify low voltage charging systems
85.	MEM18038B	Maintain wheels and tyres
86.	MEM18039B	Diagnose and rectify track type undercarriage
87.	MEM18040B	Maintain suspension systems
88.	MEM18041B	Maintain steering systems
89.	MEM18042C	Diagnose and rectify manual transmissions
90.	MEM18043C	Diagnose and rectify automatic transmissions
91.	MEM18044C	Diagnose and rectify drive line and final drives
92.	MEM18045B	Fault find/repair electrical equipment/components up to 250 volts single phase supply
93.	MEM18046B	Fault find/repair electrical equipment/components up to 1000 volts a.c./1500 volts d.c.
94.	MEM18047B	Diagnose and maintain electronic controlling systems on mobile plant
95.	MEM18048B	Fault find and repair/rectify basic electrical circuits
96.	MEM18049C	Disconnect/reconnect fixed wired equipment up to 1000 volts a.c./1500 volts d.c.
97.	MEM18050C	Disconnect/reconnect fixed wired equipment over 1000 volts a.c./1500 volts d.c.
98.	MEM18051B	Fault find and repair/rectify complex electrical circuits
99.	MEM18052B	Maintain fluid power systems for mobile plant
100.	MEM18054B	Fault find, test and calibrate instrumentation systems and equipment
101.	MEM18055B	Dismantle, replace and assemble engineering components
102.	MEM18056B	Diagnose and repair analog equipment and components
103.	MEM18057B	Maintain/service analog/digital electronic equipment
104.	MEM18058C	Modify electronic equipment
105.	MEM18060B	Maintain, repair control instrumentation - single and multiple loop control systems
106.	MEM18062B	Install, maintain and calibrate instrumentation sensors, transmitters and final control elements
107.	MEM18063B	Terminate signal and data cables
108.	MEM18064B	Maintain instrumentation system components
109.	MEM18065B	Diagnose and repair digital equipment and components
110.	MEM18066B	Diagnose and repair microprocessor-based equipment
111.	MEM18067B	Tune control loops - multi controller or multi element systems
112.	MEM18071B	Connect/disconnect fluid conveying system components
113.	MEM18072B	Manufacture fluid conveying conductor assemblies
114.	MEM18086B	Test, recover, evacuate and charge refrigeration systems
115.	MEM18087B	Service and repair domestic and light commercial refrigeration and air conditioning equipment
116.	MEM18088B	Maintain and repair commercial air conditioning systems and components









Perform electronic/electrical assembly (production)

MFM03004B

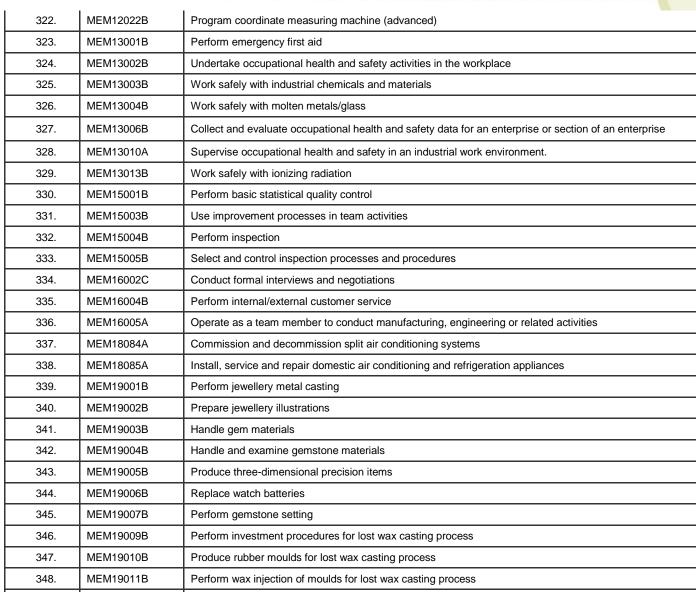
280.



Program coordinate measuring machine

MFM12021B

321.



347.	MEM19010B	Produce rubber moulds for lost wax casting process
348.	MEM19011B	Perform wax injection of moulds for lost wax casting process
349.	MEM19012B	Produce jewellery wax model
350.	MEM19014B	Perform hand engraving
351.	MEM19015B	Perform jewellery enamelling
352.	MEM19016B	Construct jewellery components
353.	MEM19017B	Fabricate jewellery items
354.	MEM19020B	Fault-find and maintain micro-mechanisms
355.	MEM19021B	Diagnose and service micro-mechanisms
356.	MEM20001A	Produce keys
357.	MEM20002A	Assemble and test lock mechanisms
358.	MEM20003A	Install and upgrade locks and hardware
359.	MEM20004A	Gain entry
360.	MEM20005A	Install and maintain door control devices/systems
361.	MEM20006A	Maintain and service mechanical locking devices
362.	MEM20007A	Plan and prepare a masterkey system

. ...



