

**NATIONAL CERTIFICATE: FORESTRY: TIMBER HARVESTING: TRACTOR LEVEL 3 (48988)****10Q100068341323**

	<b>UNIT STANDARD TITLE</b>	<b>Code</b>	<b>NQF Level</b>	<b>Credit Value</b>
	<i>Fundamental Learning</i>			
1	Communicate at work	12461	2	5
2	Complete feasibility and commissioning reports	12488	3	3
3	Accommodate audience and context needs in oral communication	8968	3	5
4	Interpret and use information from texts	8969	3	5
5	Write texts for a range of communicative contexts	8970	3	5
6	Communicate with clients	9528	3	3
7	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	9010	3	2
8	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	7456	3	5
9	Investigate life and work related problems using data and probabilities	9012	3	5
10	Describe, apply, analyse and calculate shape and motion in 2- and 3-dimensional space in different contexts	9013	3	4
	<i>Core Learning</i>			
11	Fell trees using a chainsaw in a production situation.	117064	3	5
12	Demonstrate knowledge of basic safety in forestry operations.	117049	2	1
13	Conduct basic forestry map reading.	117085	3	2
14	Prepare an operational harvest plan.	117070	4	4
15	Maintain a chainsaw and cut felled timber using a chainsaw.	117058	2	4
16	Debranch felled trees using a chainsaw in a production situation.	117061	2	3
17	Crosscut felled trees using a chainsaw in a production situation.	117069	2	2
18	Demonstrate knowledge of mechanical timber handling equipment.	117050	2	1
19	Demonstrate knowledge of cable yarder extraction.	117078	2	2
20	Demonstrate knowledge of ground-based machine extraction.	117044	2	1
	<i>Elective Learning</i>			
21	Prepare, operate and maintain a tractor in a non-production situation.	117076	2	3
22	Extract timber to a landing using a tractor fitted with a skidding attachment in a production situation.	117083	3	12
23	Choke and dechoke timber during extraction with a skidding machine fitted with a winch in a production situation.	117043	2	3
24	Extract and short-haul timber using a tractor and trailer in a production situation.	117084	3	12
25	Extract and short-haul timber using a tractor and trailer fitted with a self-loading crane in a production situation.	117086	4	25
26	<i>Select a minimum of 10 credits from the unit standards listed below</i>			
27	Fell trees with a chainsaw using the standard technique and felling levers.	117062	2	2
28	Delimb tree lengths using a static delimber in a production.	117057	3	15
29	Fell trees using a chainsaw and machine assistance.	117071	3	2
30	Prepare, operate and maintain a 3-wheeled loader in a non-production situation.	117052	3	5
31	Prepare, operate and maintain a self-propelled knuckle boom loader in a non-production situation.	117055	3	5
32	Prepare, operate and maintain a vehicle mounted knuckle boom loader in a non-production situation.	117046	3	5
33	Fell trees with a chainsaw using specialized techniques.	117066	3	2
34	Scale tree lengths into poles in a production situation.	117068	3	3
35	Scale tree lengths into saw and veneer logs in a production situation.	117059	3	10