LEVEL 3 NVQ STRUCTURE FOR ACCESS OPERATIONS AND RIGGING (CONSTRUCTION)
Version 2 of the combined NVQ and TQT structure Sept 2022

Guided Learning Hours eg contact time or supervised learning with a mentor/tutor/supervisor including onsite or in a classroom.
Assessment – The average hours it would take to assess the candidate's competence in the particular function – this **can** contribute to guided learning, but this has been kept separate in building the qualification value
Other Learning – eg Learners own study/research, practice of skills, compilation of portfolio of work evidence
Duplicated Learning – units are derived from National Occupational Standards. When the units are combined for the occupational NVQ, elements of learning in one **occupational** unit are repeated in others. Hence there is a degree of duplication. The organisations involved in determining TQT also agree the amount of time in each **occupational** unit that is duplicated. For this NVQ, these elements are considered to represent 40 hours. This needs to be included for TQT once for the **occupational** units, so where there are two **occupational** units (excluding core units 641, 642, 643, 209, 210 and 211) 1 x 40 hours would be deducted similarly where there are three **occupational** units (excluding **core** mandatory units 641, 642, 643, 209, 210 and 211), there would be a deduction of 2 x 40 hours = 80 hours

Nb: as qualifications are currently still built on units, which individually state guided learning hours, which has in the past excluded assessment, the values are shown separately
Nb: previous/older forms reflect Ofqual TQT guidance from March 2015 'After the QCF', where qualifications had to have Guided Learning, Directed Learning and Invigilated Assessment assigned as components of TQT

PATHWAY 1 – LEVEL 3 NVQ IN ACCESSING OPERATIONS & RIGGING (CONSTRUCTION) - SCAFFOLDING AND OFFSHORE		**MINIMUM TQT FOR THIS PATHWAY = 1050**				**MINIMUM NUMBER OF UNITS = 8**			
UNIT	**TITLE**	**GUIDED LEARNING HOURS**		**OTHER LEARNING**	**TQT**	**Level**	**Unit type**	**Endorse**	**Imported unit Owner**
		EXISTING GLH	**ASSESSMENT**						
209v2	Confirming work activities and resources for an occupational work area in the workplace	33	10	57	100	3	**M**	N	OWS
210v3	Developing and maintaining good occupational working relationships in the workplace	27	10	43	80	3	**M**	N	OWS
211v2	Confirming the occupational method of work in the workplace	37	10	63	110	3	**M**	N	OWS
252v2	Utilising the provision of fall protection systems in the workplace	80	10	80	170	2	**M**	Y	
405v2	Erecting specialised, designed scaffolds and rigging in the workplace	110	10	130	250	3	**M**	Y	
641v2	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	**M**	N	WO
Optional units - Two Units required									
406v2	Erecting and dismantling overhead scaffolds in the workplace	110	10	130	250	3	**O**	Y	
407v2	Erecting and dismantling falsework scaffolds in the workplace	100	10	120	230	3	**O**	Y	
408v2	Erecting and dismantling shoring scaffolds in the scaffolds in the workplace	110	10	140	260	3	**O**	Y	
609v2	Erecting and dismantling temporary roof scaffolds in the workplace	90	10	110	210	3	**O**	Y	
Additional (not compulsory)									
411v3	Inspecting scaffolding and rigging systems in the workplace	140	10	60	210	3	**A**	N	
Duplicated learning					**-120**				
Sub - Totals		484	80	606					
Totals		**564**		**606**					
Total TQT minus Duplicated Learning		**1050**							

PATHWAY 2 – LEVEL 3 NVQ IN ACCESSING OPERATIONS & RIGGING (CONSTRUCTION) - STEEPLEJACKING

MINIMUM TQT FOR THIS PATHWAY = 1740

MINIMUM NUMBER OF UNITS = 12

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
120v2	Carry out site measurements and evaluations in the workplace	63	10	117	190	3	**M**	N	MA
209v2	Confirming work activities and resources for an occupational work area in the workplace	33	10	57	100	3	**M**	N	OWS
210v3	Developing and maintaining good occupational working relationships in the workplace	27	10	43	80	3	**M**	N	OWS
211v2	Confirming the occupational method of work in the workplace	37	10	63	110	3	**M**	N	OWS
252v2	Utilising the provision of fall protection systems in the workplace	80	10	80	170	2	**M**	Y	
254v3	Erecting and removing specialist access equipment in the workplace	80	10	130	220	2	**M**	N	
255v2	Installing and removing temporary lifting and suspension apparatus in the workplace	90	10	150	250	2	**M**	Y	
392Av3	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace (lowest value option used)	40	10	70	120	2	**M**	N	PLO
405v2	Erecting specialised, designed scaffolds and rigging in the workplace	110	10	130	250	3	**M**	Y	
410v3	Erecting and dismantling steeplejack scaffolds for multi-faceted surfaces	110	10	140	260	3	**M**	Y	
411v3	Inspecting scaffolding and rigging systems in the workplace	140	10	60	210	3	**M**	N	
641v2	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	**M**	N	WO
Additional units - (Not compulsory)									
53v3	Erecting metal chimneys in the workplace	63	10	117	19	2	**A**	N	CE
155v4	Dismantling and/or demolishing masonry and/or concrete structures in the workplace	100	10	140	250	2	**A**	N	
414v3	Installing sheet metal cladding to chimneys or ducting in the workplace	110	10	130	250	3	**A**	N	
415v3	Installing ducting and flue systems in the workplace	110	10	130	250	3	**A**	N	
Duplicated learning					**-240**				
Sub - Totals		817	120	1043					
Totals		**937**		**1043**					
Total TQT minus Duplicated Learning			**1740**						

PATHWAY 3 – LEVEL 3 NVQ IN ACCESSING OPERATIONS & RIGGING (CONSTRUCTION) - LIGHTNING PROTECTION ENGINEER

MINIMUM TQT FOR THIS PATHWAY = 1620 | **MINIMUM NUMBER OF UNITS = 12**

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
120v2	Carry out site measurements and evaluations in the workplace	63	10	117	190	3	**M**	N	MA
209v2	Confirming work activities and resources for an occupational work area in the workplace	33	10	57	100	3	**M**	N	OWS
210v3	Developing and maintaining good occupational working relationships in the workplace	27	10	43	80	3	**M**	N	OWS
211v2	Confirming the occupational method of work in the workplace	37	10	63	110	3	**M**	N	OWS
252v2	Utilising the provision of fall protection systems in the workplace	80	10	80	170	2	**M**	Y	
254v3	Erecting and removing specialist access equipment in the workplace	80	10	130	220	2	**M**	Y	
256v2	Installing lighnting conductor systems in the	90	10	100	200	2	**M**	N	
257v2	Commissioning lightning conductor installation systems in the workplace	130	10	90	230	2	**M**	N	
372v3	Identifying and marking the location of utilities apparatus and sub-structures in the workplace	65	10	45	120	2	**M**	N	RBM
392Av3	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace (lowest value option used)	40	10	70	120	2	**M**	N	PLO
412v2	Installing electrical earthing systems in the workplace	205	10	85	300	3	**M**	N	
641v2	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	**M**	N	WO
	Additional unit (Not compulsory)								
255v2	Installing and removing temporary lifting and suspension apparatus in the workplace	90	120	836	250	2	**A**	Y	
	Duplicated learning				**-240**				
Sub - Totals		857	120	883					
Totals		**977**		**883**					
Total TQT minus Duplicated Learning		**1620**							

PATHWAY 4 – LEVEL 3 NVQ IN ACCESSING OPERATIONS & RIGGING (CONSTRUCTION) - LIGHTNING PROTECTIVE SYSTEMS INSPECTION AND TESTING

MINIMUM TQT FOR THIS PATHWAY = 840 | **MINIMUM NUMBER OF UNITS = 8**

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
120v2	Carry out site measurements and evaluations in the workplace	63	10	117	190	3	**M**	N	MA
209v2	Confirming work activities and resources for an occupational work area in the workplace	33	10	57	100	3	**M**	N	OWS
210v3	Developing and maintaining good occupational working relationships in the workplace	27	10	43	80	3	**M**	N	OWS
211v2	Confirming the occupational method of work in the workplace	37	10	63	110	3	**M**	N	OWS
250v3	Using access equipment up to six metres in the workplace	27	10	43	80	2	**M**	Y	
252v2	Utilising the provision of fall protection systems in the workplace	80	10	80	170	2	**M**	Y	
325v2	Inspecting and testing lightning protection systems in the workplace	140	10	60	210	3	**M**	N	
641v2	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	**M**	N	WO
	Duplicated learning				**-120**				
Sub - Totals		414	80	466					
Totals		**494**		**466**					
Total TQT minus Duplicated Learning		**840**							

PATHWAY 5 – LEVEL 3 NVQ IN ACCESSING OPERATIONS & RIGGING (CONSTRUCTION) - TEMPORARY SUSPENDED ACCESS EQUIPMENT

MINIMUM TQT FOR THIS PATHWAY = 1570

MINIMUM NUMBER OF UNITS = 12

UNIT	TITLE	GUIDED LEARNING HOURS		OTHER LEARNING	TQT	Level	Unit type	Endorse	Imported unit Owner
		EXISTING GLH	ASSESSMENT						
209v2	Confirming work activities and resources for an occupational work area in the workplace	33	10	57	100	3	**M**	N	OWS
210v3	Developing and maintaining good occupational working relationships in the workplace	27	10	43	80	3	**M**	N	OWS
211v2	Confirming the occupational method of work in the workplace	37	10	63	110	3	**M**	N	OWS
252v2	Utilising the provision of fall protection systems in the workplace	80	10	80	170	2	**M**	Y	
659v1	Operating plant or machinery for non-operational activities in the workplace	33	10	57	100	2	**M**	N	CPMM
664v1	Diagnosing faults in plant or machinery systems or components in the workplace	80	10	140	230	3	**M**	Y	CPMM
670v1	Determining and completing service to maintain plant or machinery in the workplace	63	10	117	190	3	**M**	N	CPMM
671v1	Determining and advising on the viability of repair or replacement for returning plant or machinery to service in the workplace	93	10	177	280	3	**M**	Y	CPMM
641v2	Conforming to general workplace health, safety and welfare in the workplace	7	10	3	20	1	**M**	N	WO
	Optional units - Three Units required								
663v2	Inspecting plant or machinery for operational serviceability in the workplace	87	20	153	260	2	**O**	N	CPMM
665v1	Installing, repairing or modifying construction resources by heating, welding, brazing, soldering and thermal cutting in the workplace	100	10	190	300	2	**O**	Y	CPMM
666v1	Producing one-off components to restore or maintain the operational functions of plant or machinery in the workplace	63	10	117	190	2	**O**	N	CPMM
667v1	Installing plant or machinery for operational activities in the workplace	120	10	230	360	3	**O**	N	CPMM
668v3	Carrying out specific tests on plant or machinery to determine operational serviceability in the workplace	110	10	120	240	3	**O**	Y	CPMM
669v1	Configuring plant or machinery for specific operational activities in the workplace	70	10	130	210	2	**O**	Y	CPMM
672v1	Handing over plant or machinery to the control of others in the workplace	63	10	117	190	3	**O**	N	CPMM
673v1	Providing technical information, advice and guidance to users of plant or machinery in the workplace	63	10	117	190	3	**O**	N	CPMM
	Duplicated learning				**-280**				
Sub - Totals		642	120	1088					
Totals		**762**		**1088**					
Total TQT minus Duplicated Learning		**1570**							

INSERT OCCUPATIONS AFFECTED BY CHANGES TO THIS STRUCTURE

NWG members represented when determining occupation specificTQT values

Altrad
NASC
Muehlhan
Bilifinger
Scaffolding safety services
PTSG
Sentinel LP
OSATS
Horizons SC
FASET
SAEMA
ATLAS
Zenith Structural
Faraday Chapman

Unit endorsements for Level 3 NVQ in Access Operations and Rigging (Construction)

CITB unit ref	Endorsement
250	**Two of the following:** - ladders - stepladders/platform steps - proprietary towers - podiums - mobile scaffold towers
252	**Two or more of the following:** - Scaffold/rigging - Secured steelwork structures - Wire and rope systems - Permanently installed anchorage points - Temporary anchorage points - Track systems - Proprietary systems
254	**Occupational specific: One from the following specific occupational areas** **Steeplejacking:** - steeplejack vertical ladders - roof ladders **Lightning conductor engineering**: - roof ladders - fixed ladders - tower scaffolds **Rigging:** - suspended access equipment - suspended platforms

255	**Occupational Specific:** **Suspended access - Three of the following:** - suspended platforms - winches - counterbalance suspension rigs - rope access anchor system - suspension rigs **Lightning Protection Engineering - Two of the following:** - block and tackle material lifting gear (manual and mechanical) - rope access anchor systems - counterbalance suspension rigs - suspension rigs **Steeplejack - Two of the following:** - block and tackle material lifting gear (manual and mechanical) - suspended platforms - rope access anchor systems - bosun's seats - winches - counterbalance suspension rigs - suspension rigs **Offshore - Two of the following:** - block and tackle material lifting gear (manual and mechanical) - rope access anchor systems - winches
392	**One of the following:** - mobile elevated working platform scissor - mobile elevated working platform boom vehicle mounted; - mobile elevated working platform boom self propelled - mobile elevated working platform mast climber
405	**One of the following:** - scaffolding - steeplejacking - rigging – suspended access equipment - off-shore scaffolding
406	**Two of the following:** - drop scaffolds - hung scaffolds - scaffolds to span gaps (bridging) - load bearing scaffold - scaffolds with restricted access and/or build restrictions - truss out
407	**One of the following:** - tube and fitting - systems scaffold

408	**Two of the following:** - raking-shore scaffolds - flying-shore scaffolds - deadshore scaffolds
410	**One of the following:** - tube and fitting - systems scaffold
609	**One of the following:** - tube and fitting - systems scaffold
659	**Two of the following:** - hand-operated power tools - static machinery - pedestrian controlled equipment - tracked plant - wheeled plant - rollers
664	**Four of the following:** - power unit - transmission - steering - hydraulics - pump - brakes - pneumatics - electrics - electronics - operating ancillaries or attachments
665	**Heating; Two of the following:** - Free components (thermal shock) - Heat treatment - Corrosion reduction/removal - Adjustment - Expansion and contraction fit **Welding: Two of the following:** - Oxygen and fuel gas - Manual metal arc - MIG or MAG - Tungsten inert gas **Soldering: One of the following:** - Oxygen and fuel gas - Iron and flux - Electric soldering iron **Joints; Two of the following**: - Butt - Lap - Fillet **Corner Positions: Two of the following:** - Flat - Vertical/horizontal - Vertical - Overhead **Thermal Cutting: One of the following:** - Oxy fuel gas - Plasma

668	**Four of the following:** - Electric systems - Cooling systems - Lubrication systems - Emission control - Hydraulic systems - Hydrostatic drive - Transmission systems - Pneumatic systems - Braking systems - Vibration management - Steering/suspension systems - Generator output control - Electronic management - Powered access equipment - Material handling equipment - Water pumps - Craneage - Lifting equipment - Load testing (cranes, hoists, MEWPs, MHE)
669	**Two of the following:** - Attachments - Ancillaries - Fire prevention (spark arrestors) - Structural support (anchors and ties) - Safety measures (restricted movement passage or acess, warning alarms, notices, lights or governors) - Contaminant reduction (noise, gases, fluids) - Carriage of ancillaries/additional equipment - Rail and trackside - Cutting equipment (blade or teeth angles and aspects) - Additions (e.g. publicity boards, notices, lights) - Machine control (laser measurement or guidance, global positioning system) - Productivity measurement (weigh load sensors, compaction sensors)
671	**Five of the following:** - time - labour costs - cost of component - sub-assemblies and parts - cost of consumables - cost of overheads (transport, delivery, operational downtime, power consumption, - specialist tools and services) - cost of replacement, like for like - cost of replacement alternative item of plant or machinery - benefits of replacement - availability of resources and capability - report findings
673	**Two of the following:** - breakdown - handover - request - contract/guarantee/warrenty/hire agreement - recall - modification/alteration

Note: Where industry requests an Awarding Organisation to further endorse a unit, the Awarding Organisation must first seek approval from CITB

Issued to the BEABF in December 2022