

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

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List of documents submitted in support of the Qualifications File

1. Career Map of Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)- Annexure 1
2. Qualification Pack of Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)- Annexure 2
3. List of QP/NOS validating industries – Annexure 3
4. Skill gap study - Annexure 4
5. Model Curriculum
6. List of Assessment Agencies

Model Curriculum include the following:

- **Indicative list of tools/equipment to conduct the training**
- **Trainers qualification**
- **Lesson Plan**
- **Distribution of training duration into theory/practical**

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SUMMARY

1	Qualification Title	Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)
2	Qualification Code, if any	FFS/Q6104
3	NCO code and occupation	NCO-2015- 7115.0200/7115.9900 / 7119.9900
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	<ul style="list-style-type: none"> - Nature of the qualification - a Qualification Pack (QP) - short term training - The main purpose of the qualification to get unemployed people into work - to upgrade the skills of people already in work - to allow people in particular sectors to learn new skills to deal with technological change - to give people with vocational/professional skills - Installer – Frameless Glass Doors/Windows fixes the glass and then installs the doors/windows using required architectural hardware. The job holder must comply with relevant health and safety standards while carrying out the tasks. - Installer- Framed Doors/ Windows: Installer fixes the glass with the frame and then installs the doors/windows using architectural hardware.
5	Body/bodies which will award the qualification	Furniture & Fittings Skill Council (FFSC)
6	Body which will accredit providers to offer courses leading to the qualification	Furniture & Fittings Skill Council (FFSC)
7	Whether accreditation/affiliation norms are already in place or not , if applicable (if yes, attach a copy)	Yes
8	Occupation(s) to which the qualification gives access	Installation: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)
9	Job description of the occupation	Installer – Frameless Glass Doors/Windows fixes the glass and then installs the doors/windows using required architectural hardware. The job holder must comply with relevant health and

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		<p>safety standards while carrying out the tasks.</p> <p>Installer – Framed Doors/Windows fixes the glass with the frame and then installs the doors/windows using required architectural hardware.</p> <p>The job holder must comply with relevant health and safety standards while carrying out the tasks. To perform the work competently the person is required to work with precision in delivering outcomes.</p>
10	Licensing requirements	NA
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NA
12	Level of the qualification in the NSQF	Level 4
13	Anticipated volume of training/learning required to complete the qualification	Without optional NOS: 420 hours With optional NOS: 480 hours
14	Indicative list of training tools required to deliver this qualification	<p>Safety Masks, safety glasses, ear plug, safety footwear, gloves</p> <p>first aid, different types of fire extinguisher, hardware for door, windows, hinges, fittings like floor springs, floor pivots, overhead closers, channels and fixings, handles, latch/bolts, door stopper, overhead door closer, butt hinges, Aldrop, tower bolts, floor springs, tape, measure tape, leveler, square, drill and bits, stapler, scissors and utility knife, screw drivers, hammer, chisel, sealant gun, saw, plumb line, electric screw driver, angle grinder, Allen key set in mm, dowels, pliers, shims, sealant, handles, locks etc.</p> <p>Materials: frame material i.e. wood, aluminum, fiber glass, vinyl as per design</p>
15	Entry requirements and/or recommendations and minimum age	<p>Class VIII</p> <p>18 years</p> <p>For RPL- candidates should have experience of Assembler doors/ windows –Glass (Level - 3)</p>
16	Progression from the qualification (Please show)	Supervisor Production Doors/ Windows (Level 5)

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	Professional and academic progression)		
17	Arrangements for the Recognition of Prior learning (RPL)	RPL arrangements and policies are in line with the guidelines of Pradhan Mantri Kaushal Vikas Yojna, Ministry of Skill Development & Entrepreneurship	
18	International comparability where known (research evidence to be provided)	-	
19	Date of planned review of the qualification.	22/09/2022	
20	Formal structure of the qualification		
	Mandatory components		
	Title of component and identification code/NOSs/Learning outcomes	Estimated size (learning hours)	Level
	FFS/N6105: Planning for installation of frameless glass doors and windows	176	4
	FFS/N6106: Install frameless glass doors/ windows	200	4
	FFS/N8501: Maintain the work area, tools and machines	12	4
	FFS/N8601: Ensure health and safety at workplace	16	Common across levels
	FFS/N8801: Work effectively with others	16	Common across levels
	Sub Total (A)	420	4
	Optional components		
	Title of component and identification code/NOSs/ Learning outcomes	Estimated size (learning hours)	Level
	FFS/N 6103: Planning for installation of framed doors and	10	4

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	windows		
	FFS/N 6104: Install framed doors/ windows	50	4
	Sub Total (B)	60	4

<u>Total (A+B)</u>	<u>480</u>	<u>Level 4</u>
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SECTION 1
ASSESSMENT

21	<p>Body/Bodies which will carry out assessment: The affiliated Assessment Bodies of Furniture & Fittings Skill Council will do the assessment. The list of Assessment Agencies is attached as Annexure.</p>
22	<p>How will RPL assessment be managed and who will carry it out? The skill gap study shows that there are candidates who have prior learning experience in the Furniture & Fittings Sector and can be certified. Such candidates can apply to FFSC for assessment and certification of their skills. The Training partner/ Industry will identify and mobilize the candidates. Documentation for such candidates will be done by the Training Provider / Industry. After the 2 days of orientation on the third day the assessment will be conducted (PMKVY RPL). Certificates of successful candidates will be dispatched to the TP / Industry for distribution to the candidates. The RPL assessment and certifications will be done according to the guideline of Pradhan Mantri Kaushal Vikas Yojna (PMKVY), Ministry of Skill Development and Entrepreneurship (MSDE)/ or of the funding agency.</p>
23	<p>Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.</p> <p>Assessment will be done by empaneled Assessment Agencies. These assessors would be aligned to assess as per the laid down criteria. Only the TOA certified Assessor is eligible to conduct the assessment.</p> <p>Assessment Agency would conduct assessment only at the training centers of Training Partner or designated testing centers authorized by FFSC.</p> <p>Ideally, the assessment will be a continuous process comprising of distinct steps:</p> <ul style="list-style-type: none"> A. Mid- term assessment B. Term / Final Assessment <p>Each National Occupational Standard (NOS) in the respective QPs will be assigned marks/ weightage. Therein each Performance Criteria in the NOS will be assigned marks for theory and / or practical based on relative importance and criticality of function.</p> <p>This will facilitate preparation of question bank / paper sets for each of the QPs. Each of these papers sets / question bank so created by the Assessment</p>

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Agency will be validated by the industry subject matter experts through FFSC, especially with regard to the practical test and the defined tolerances, finish, accuracy etc.

The following tools are proposed to be used for final assessment:

i. *Written Test*: This will comprise of Multiple Choice Questions. Online system for this will be preferred.

ii. *Practical Test*: This will comprise a test job to be prepared as per project briefing following appropriate working steps, using necessary tools, equipment and instruments.

Through observation it will be possible to ascertain candidate's aptitude, attention to details, quality consciousness etc. The end product will be measured against the pre-decided MCQ filled by the Assessor to gauge the level of his skill achievements.

iii. *Structured Interview*: This tool will be used to assess the conceptual understanding and the behavioral aspects as regards the job role and the specific task at hand.

ASSESSMENT EVIDENCE

Complete a grid for each component as listed in “Formal structure of the qualification” in the Summary.

NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – ie Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. Assessment evidences

Title of Component:

Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)

Qualification Pack: FFS/Q6104

Sector Skill Council: Furniture & Fittings Skill Council

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criteria
5. To pass the Qualification Pack , every trainee should score a minimum of 70% in every NOS
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

Compulsory NOS		Marks Allocation			
Total Marks: 500					
Assessment Outcomes	Assessment Criteria for Outcomes	Total Marks	Out of	Theory	Skills Practical
FFS/N6105 Planning for Installation of frameless glass doors /windows	PC1. obtain job instructions from responsible personnel Job instruction: design, hardware requirement, dimensions, size of fixed partitions etc.	100	4	2	2
	PC2. interact with supervisor in order to understand the client requirement		4	2	2

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	PC3. read and confirm that the given instructions and design are complete and correct	4	4	0
	PC4. identify the work site/ opening where the door is to be fixed as per design	4	0	4
	PC5. plan out an efficient sequence of work as per the job requirement and specification	4	2	2
	PC6. obtain appropriate hardware, materials and tools/machines suitable to carry out the given tasks Tools & machines: e.g. measuring tape, leveler, square, drill and bits, stapler, scissors and utility knife, screw drivers, hammer, chisel, sealant gun, saw, plumb line, electric screw driver, angle grinder, allen key set in mm, dowels, pliers etc. Hardware and Material: hinges, pivot, floor spring, pivot, floor spring, patch fitting, handles, locks, packing, sealant etc.	4	0	4
	PC7. identify and check the hardware that has come with the door for installation	4	0	4
	PC8. report on any shortage or defect of materials/hardware to the concerned person before commencement of work	4	2	2
	PC9. check that the selected tools & equipment are in safe working condition and ready for use	4	0	4
	PC10. take the size of the opening and match the same with the specification document/ job sheet and report discrepancies if any prior to installation	4	2	2
	PC11. use approved procedures to inspect glass door visually for any possible defects as per required standard parameters prior to work Defects: unevenness, chipped glass, waviness, bend in glass etc.	5	0	5
	PC12. read and interpret the details	5	5	0

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	from architectural drawings relevant to door and fixed partition installation				
	PC13. read and understand manufacturer's specification for hardware and its installation		5	5	0
	PC14. identify the surfaces and dimensions as per the drawing		5	0	5
	PC15. read and understand the scope of work		5	0	5
	PC16. return all the used tools and materials safely to the appropriate personal		5	0	5
	PC17. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines		5	2	3
	PC18. maintain correct body posture while standing and working for long hours and carrying heavy materials		5	0	5
	PC19. lift, carry or move heavy glass /windows from one place to another using approved safe working practices		5	0	5
	PC20. ensure that the work area is free of clutters to carry out installation work smoothly		5	0	5
	PC21. select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines Personal protective equipment: masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons, warning signs and tapes, fire extinguisher, first aid kit		5	2	3
	PC22. follow electrical safety measures while working with electrically powered tools & equipment		5	2	3
		Total	100	30	70
FFS/N6106 Install frameless glass doors /windows	PC1. identify the work site/ opening where the door is to be installed	100	3	0	3
	PC2. take the size of the opening and match the same with the specification document/ job sheet and report		4	1	3

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discrepancies if any prior to installation			
PC3. read and confirm that the given instructions and design are correct and complete	3	0	3
PC4. obtain appropriate materials and tools suitable to carry out marking activities	4	2	2
PC5. identify the surfaces and dimensions as per the drawing	4	2	2
PC6. check the plumb, line and level of the opening	3	0	3
PC7. carryout measurements for floor springs, wall/glass opening for installation	4	1	3
PC8. calculate height and width as per design for installation	4	2	2
PC9. carry out markings to guide activities of subordinates	3	1	2
PC10. obtain appropriate materials, hardware and tools/machines suitable to carry out the given tasks Tools & machines: e.g. measuring tape, leveler, square, drill and bits, stapler, scissors and utility knife, screw drivers, hammer, chisel, sealant gun, saw, plumb line, electric screw driver, angle grinder, allen key set in mm, dowels, pliers etc. Hardware and Material: hinges, pivot, floor spring etc. requirement, hinges, pivot, floor spring, patch fitting, handles, locks, packing, sealant etc.	3	0	3
PC11. indentify and check the hardware that has come with the door for installation	3	0	3
PC12. report on any shortage or defect of materials/hardware to the concerned person before commencement of work	3	1	2
PC13. take the size of the opening and match the same with the specification document/ job sheet and report discrepancies if any prior to installation	3	1	2

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	PC14. check and ensure the size of the opening matched the size of the door prior to installation		3	0	3
	PC15. ensure that the size of the fixed partition matches the door and the opening		5	1	4
	PC16. ensure correct methods of holding and centering work piece i.e glass door		4	2	2
	PC17. ensure appropriate lifting devices for lifting glass /windows Lifting device: glass holders with single and multiple knobs		3	1	2
	PC18. fix the floor spring in the cutout on the floor		4	2	2
	PC19. set the speed of the floor spring as per specification		4	0	4
	PC20. fix the top and the bottom pivot and check alignment		4	0	4
	PC21. fix the patch fitting as per design requirement		4	2	2
	PC22. install the fixed partitions with the support of the patch fittings before door installation		5	2	3
	PC23. use hinges to fix the glass door on the glass opening or wall opening		5	0	5
	PC24. install the door closer as per design specification and set the required speed if mentioned in the design specification		4	0	4
	PC25. fix the door handle at the appropriate height Appropriate Height: height from the center of the door handle should be 1040mm of the finish floor level		4	2	2
	PC26. choose appropriate drill blades, depending upon the thickness of the glass and the hardware to be used		4	2	2
	PC27. ensure that the work area is free of clutters to carry out installation work smoothly		3	0	3
		Total	100	25	75
FFS/N8501 Maintain work	PC1. handle materials, machinery, equipment and tools safely and	100	8	4	4

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area, tools and machines	correctly			
	PC2. use correct handling procedures	8	4	4
	PC3. use materials to minimize waste	8	4	4
	PC4. prepare and organize work	8	4	4
	PC5. maintain a clean and hazard free working area	8	4	4
	PC6. deal with work interruptions	8	4	4
	PC7. maintain tools equipment and consumables	8	4	4
	PC8. work in a comfortable position with the correct posture	8	4	4
	PC9. use cleaning equipment and methods appropriate for the work to be carried out	8	4	4
	PC10. dispose of waste safely in the designated location	8	5	3
	PC11. store cleaning equipment safely after use	7	3	4
	PC12. ensure safe and correct handling of materials, equipment and tools	7	3	4
	PC13. maintain appropriate environment to protect stock from pilfering, theft, damage and deterioration	6	3	3
	Total	100	50	50
FFS/N8601 Ensure health and safety at workplace	PC1. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines	3	2	1
	PC2. ensure that health and safety instructions applicable to the work place are being followed	3	1	2
	PC3. check the worksite for any possible health and safety hazards	3	1	2
	PC4. follow manufacturers' instructions and job specifications relating to safe use of materials specifically chemicals and power equipment	3	1	2
	PC5. ensure safe handling and disposal of waste and debris	3	0	3

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PC6. identify and report any hazards and potential risks/ threats to supervisors or other authorized personnel Hazards: sharp edged tools, hazardous surfaces, physical hazards, electrical hazards, health hazards from chemicals and other such toxic material etc.	3	1	2
PC7. undertake first aid activities in case of any accident, if required and asked to do so	3	0	3
PC8. select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines Personal protective equipment: masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons etc.	3	1	2
PC9. maintain correct body posture while standing and working for long hours and carrying heavy materials	3	0	3
PC10. lift, carry or move heavy wooden furniture and accessories from one place to another using approved safe working practices	3	0	3
PC11. handle all required tools, machines , materials & equipment safely	4	2	2
PC12. adhere to relevant occupational safety policies while handling sharp tools to make and install furniture and fittings	4	2	2
PC13. take safety measures while handling glass, heavy wood, materials, chemicals etc.	3	0	3
PC14. apply good housekeeping practices at all times Good housekeeping practices: clean/tidy work areas, removal/disposal of waste products, protect surfaces	3	0	3
PC15. report accident/incident report	3	2	1

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	to authorised personal			
	PC16. perform basic safety checks before operation of all machines, tools and electrical equipment	3	1	2
	PC17. follow recommended material handling procedure to control damage and personal injury	3	2	1
	PC18. follow safe working practices at all times	3	1	2
	PC19. follow appropriate procedure in case a of fire emergency	3	1	2
	PC20. follow electrical safety measures while working with electrically powered tools & equipment	3	1	2
	PC21. follow agreed work location procedures in the event of an emergency or an accident	4	2	2
	PC22. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	3	1	2
	PC23. check and ensure general health and safety equipment are available at work site General health and safety equipment: fire extinguishers, first aid equipment, safety instruments and clothing, safety installations (e.g. fire exits, exhaust fans)	3	1	2
	PC24. comply with restrictions imposed on harmful chemicals inside work area during working hours	4	2	2
	PC25. correctly demonstrate rescue techniques applied during fire hazard	3	0	3
	PC26. demonstrate good housekeeping in order to prevent fire hazards	3	0	3
	PC27. demonstrate the correct use of a fire extinguisher	3	0	3
	PC28. demonstrate how to free a person from electrocution	3	1	2
	PC29. respond promptly and appropriately to an accident situation or medical emergency	3	0	3
	PC30. participate in emergency	3	0	3

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	<p>procedures</p> <p>Emergency procedures: raising alarm, safe/efficient, evacuation, correct means of escape, correct assembly point, roll call, correct return to work</p>				
	<p>PC31. use the various appropriate fire extinguishers on different types of fires correctly</p> <p>Types of fires: Class A: e.g. ordinary solid combustibles, such as wood, paper, cloth, plastic, charcoal, etc.; Class B: flammable liquids and gases, such as gasoline, propane, diesel fuel, tar, cooking oil, and similar substances; Class C: e.g. electrical equipment such as appliances, wiring, breaker panels, etc.</p> <p>These categories of fires become Class A, B, and D fires when the electrical equipment that initiated the fire is no longer receiving electricity); Class D: combustible metals such as magnesium, titanium, and sodium (These fires burn at extremely high temperatures and require special suppression agents)</p>	3	1	2	
	<p>PC32. state methods of accident prevention in the work environment</p> <p>Methods of accident prevention: training in health and safety procedures; using health and safety procedures; use of equipment and working practices (such as safe carrying procedures); safety notices, advice; instruction from colleagues and supervisors</p>	3	3	0	
		Total	100	30	70
FFS/ N8801 Work effectively with others	PC1. seek assistance from supervisor or any such appropriate authority as and when required	3	1	2	
	PC2. ask questions and seek clarifications on work tasks whenever required	3	1	2	
	PC3. seek and obtain clarifications on	5	5	0	

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	policies and procedures, from the supervisor or other authorized personnel			
	PC4. identify and report any possible deviations to appropriate authority	3	1	2
	PC5. address the problems effectively and report to immediate supervisor appropriately, if required	5	2	3
	PC6. receive instructions clearly from superiors and respond effectively on the same	3	1	2
	PC7. follow escalation matrix in case of any grievance	6	4	2
	PC8. accurately receive information and instructions from the supervisor related to one's work	5	3	2
	PC9. coordinate and cooperate with colleagues to achieve work objectives	5	0	5
	PC10. display courteous behaviour at all times	5	0	5
	PC11. respond politely to customer queries and other team members	5	1	4
	PC12. follow work place dress code	5	0	5
	PC13. keep work area in a tidy and organized state	5	0	5
	PC14. adhere to time lines and quality standards	5	2	3
	PC15. follow organizational policies and procedures	4	4	0
	PC16. share information with team wherever and whenever required to enhance quality and productivity at work place	5	2	3
	PC17. work together with co-workers in a synchronized manner	6	0	6
	PC18. communicate with others clearly, at a pace and in a manner that helps them to understand	6	3	3
	PC19. show respect to other and their work	5	0	5
	PC20. display active listening skills while interacting with others at work	5	0	5

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	PC21. demonstrate responsible and disciplined behaviors at the workplace Disciplined behaviors: e.g. punctuality; completing tasks as per given time and standards; not gossiping and idling time; eliminating waste, honesty, etc.		6	0	6
		Total	100	30	70
OPTIONS					
Option: FFS/Q6103 Installer- Framed Doors/ Windows					
Total Marks: 200			Marks Allocation		
Assessment Outcomes	Assessment Criteria for Outcomes	Total Marks	Out of	Theory	Practical
FFS/N6103 Planning for installation of framed doors/windows	PC1. obtain job instructions from responsible personnel Job instruction: design, hardware requirement, frame instruction, dimensions etc.	100	4	1	3
	PC2. interact with supervisor in order to understand the client requirement		3	1	2
	PC3. read and confirm that the given instructions and design are complete and correct		3	1	2
	PC4. identify the work site/ opening where the door is to be fixed from the drawing		4	0	4
	PC5. identify the frame and panel requirement as per design specification Frame requirement: frame size, material i.e wood or aluminums etc., full frame, one sides frame, two sided frame etc.		5	2	3
	PC6. plan out an efficient sequence of work as per the job requirement and specification		5	2	3
	PC7. obtain appropriate materials and tools/machines suitable to carry out the given tasks Tools & machines: e.g. measure tape, leveler, square, drill and bits, stapler, scissors and utility knife, screw drivers, hammer, chisel, sealant gun, saw, plumb line, electric screw driver, angle		6	2	4

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	grinder, allen key set in mm, dowels, pliers etc. Materials and Hardware: frame material i.e wood, aluminum, fiber glass, vinyl as per design, hinges, pivot, floor spring, packing, shims, sealant, handles, locks etc.				
	PC8. identify and check the hardware that has come with the door for installation		4	1	3
	PC9. report on any shortage or defect of materials/hardware to the concerned person before commencement of work		3	0	3
	PC10. check that the selected tools & equipment are in safe working condition and ready for use		3	0	3
	PC11. take the size of the opening and match the same with the specification document/ job sheet and report discrepancies if any prior to installation		5	2	3
	PC12. take the size of the frame and match it with the door panel		5	1	4
	PC13. use approved procedures to inspect glass door as well as the frame visually for any possible defects as per required standard parameters prior to work Defects: unevenness, chipped glass, size variation, waviness, bend in glass etc.		5	2	3
	PC14. read and interpret the details from architectural drawings relevant to framed door installation		6	2	4
	PC15. read and understand manufacturer's specification of hardware and its installation		5	3	2
	PC16. identify the surfaces and dimensions as per the drawing		4	1	3
	PC17. read and understand the scope of work		4	2	2
	PC18. return all the used tools and materials safely to the appropriate personal		4	1	3
	PC19. work safely at all times,		4	2	2

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	complying with health and safety legislation, regulations and other relevant guidelines				
	PC20. maintain correct body posture while standing and working for long hours and carrying heavy materials		4	1	3
	PC21. lift, carry or move heavy frame and /windows from one place to another using approved safe working practices		4	1	3
	PC22. ensure that the work area is free of clutters to carry out installation work smoothly		3	0	3
	PC23. select and use appropriate personal protective equipment compatible to the work and compliant to relevant occupational health and safety guidelines Personal protective equipment: masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons etc.		4	1	3
	PC24. follow electrical safety measures while working with electrically powered tools & equipment		3	1	2
		Total	100	30	70
FFS/ N 6104 Install framed doors/windows	PC1. read and confirm that the given instructions and design are correct and complete	100	1	0	1
	PC2. obtain appropriate materials and tools suitable to carry out marking activities		1	0	1
	PC3. identify the surfaces and dimensions as per the drawing		1	0	1
	PC4. calculate height and width as per design for installation		2	1	1
	PC5. identify the work site/ opening where the frame and the door panel is to be installed		1	0	1
	PC6. take the size of the opening and match the same with the specification document/ job sheet and report discrepancies if any prior to installation		2	1	1
	PC7. take the size of the frame and		2	0	2

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	match it with the glass on which the frame is to be fixed				
	PC8. check the plumb line and level of the opening		1	0	1
	PC9. carry out markings to guide activities of subordinates		2	1	1
	PC10. mark the points on the glass to fix the frame		2	0	2
	PC11. measure and mark against the jamb where any shims are needed		1	0	1
	PC12. confirm the door location against the drawing and mark the dimensions on the opening are as specified in the drawing		1	1	0
	PC13. obtain appropriate materials and tools/machines suitable to carry out the given tasks Tools & machines: e.g. measure tape, leveler, square, drill and bits, stapler, scissors and utility knife, screw drivers, hammer, chisel, sealant gun, saw, plumb line, electric screw driver, angle grinder, Allen key set in mm, dowels, pliers etc. Materials and Hardware: frame material i.e wood, aluminum, fiber glass, vinyl as per design, hinges, pivot, floor spring, packing, shims, sealant, handles, locks etc.		2	1	1
	PC14. indentify and check the hardware that has come with the frame and door for installation to match the door to be installed		1	0	1
	PC15. report on any shortage or defect of materials/hardware to the concerned person before commencement of work		1	0	1
	PC16. take the size of the opening and match the same with the specification document/ job sheet and report discrepancies if any prior to installation		2	1	1
	PC17. align the door frame against the setting out lines and ensure proper alignment		2	0	2
	PC18. secure the frame temporarily		2	1	1

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	using wedges or clips to obtain required vertical and horizontal alignment			
	PC19. fix the frame in position using architectural hardware as mentioned in the design	2	1	1
	PC20. grout the gap between the wall and the door frame	2	0	2
	PC21. make provisions of openings for the installation of hinges in the frame	2	1	1
	PC22. check for right angle and squareness in the frame	1	0	1
	PC23. check visually for any surface damage before installation	1	0	1
	PC24. determine the finished floor height	2	1	1
	PC25. ensure correct methods of holding and centering work piece i.e frame and the door panel	2	1	1
	PC26. use hinges and screws to fix the frame on the opening or wall	2	0	2
	PC27. choose appropriate drill bits, depending upon the thickness of the wall and the frame	1	0	1
	PC28. ensure that the work area is free of clutters to carry out installation work smoothly	1	0	1
	PC29. ensure that the frame, panel and architrave are of the correct type, size and quality as per the specification document	2	1	1
	PC30. make provisions of openings for the installation of hinges in the door	2	0	2
	PC31. check for right angle and squareness in the door	1	1	0
	PC32. fix the hinges in the door before fixing it on the frame	2	0	2
	PC33. ensure proper alignment and verify the under-cut dimensions before fastening the hinges	2	1	1
	PC34. envelop the glass between the wooden or aluminium frame in case of framed doors/windows with the support of sealant, mouldings, screws etc.	3	1	2

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PC35. check the measurements of the glass and opening and then carefully insert the new glass into the door-frame opening		3	1	2
PC36. check and ensure that there is a consistent gap not more than 5mm between the door panel and the frame		2	1	1
PC37. ensure that the door and the frame corners maintained at right angel		2	1	1
PC38. fix the door handle at the appropriate height Appropriate Height: height from the center of the door handle should be 1040 mm of the finish floor level		2	1	1
PC39. choose appropriate drill bits, depending upon the thickness of the material to be used		2	1	1
PC40. install the door closer as per design specification and set the required speed if mentioned in the design specification		2	1	1
PC41. select and fix the latch if mentioned in the design specification		1	0	1
PC42. check for plumb, line and level of the opening		2	0	2
PC43. measure opening width at top, middle, and bottom of opening		2	0	2
PC44. ensure size is correct, if not, the opening may need to be corrected		2	1	1
PC45. chip out any concrete that stick out from the mounting surface and may interfere with the installation		1	0	1
PC46. assemble the main frame header, jambs and sill in the correct position		2	1	1
PC47. clean the end of the jambs to remove grease and debris		2	0	2
PC48. fit the frame into the opening and seal the frame		2	1	1
PC49. secure the frame in the opening using the required installation hardware		3	1	2
PC50. seal all the four corners of the frame as per design specification		2	0	2
PC51. set frame in opening and shim		2	1	1

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	as necessary to make frame plumb, level and square				
	PC52. install the main frame head screw covers and check for movement/sliding of the door		3	1	2
	PC53. install the panel so that the top of panel slips over track frame header		3	1	2
	PC54. check the panel wheels for movement/sliding		2	1	1
	PC55. envelop the glass between the wooden or aluminium frame in case of framed /windows with the support of sealant, mouldings, screws etc.		3	1	2
		Total	100	30	70

SECTION 2

25. EVIDENCE OF LEVEL

OPTION A

Title/Name of qualification/component: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows) Level: 4			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
Process	The incumbent works in familiar and predictable routine of installing glass door using different architectural hardware. The situation of clear choice (descriptor of level 4) is evident	Work in familiar, predictable, routine, situation of clear choice.	4

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Title/Name of qualification/component: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows) Level: 4			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
	<p>through the following examples:</p> <ul style="list-style-type: none"> • verify material quality using defined preliminary checks • confirm that the architectural hardware used for installing door/window are correct and appropriate for work • ensure that the correct layout of a specified design are followed as per required quality standard and the assembly happens as per design requirement • use approved procedures to rectify any defects that are within one's competency level and ensure that the finished work meets the required standard 		
Professional knowledge	<p>The incumbent has factual knowledge of study of architectural hardware / fittings</p> <p>Examples:</p> <ul style="list-style-type: none"> • different types of tools architectural hardware and accessories and their uses • how to carryout marking and measuring activities for own work and to 	Factual knowledge of field or study.	4

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Title/Name of qualification/component: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows) Level: 4			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
	<p>support the activities of the subordinates</p> <ul style="list-style-type: none"> • how to take detailed measurement of the area between the platform and the finish floor level for installation as per the design specification • knowledge of terminology, pictorial representation, symbols, etc. related to architectural drawings and specifications • Basic measurements units, calculations and mathematics 		
Professional skill	<p>Most of the work involves recall and demonstration of practical skill, is routine and repetitive and in a narrow range of application. The incumbent also uses appropriate tool and quality concepts to complete their work. This is evident through:</p> <ul style="list-style-type: none"> • use appropriate techniques, tools equipment and architectural hardware to assemble • apply approved methods to mark the dimensions as specified in the drawing and confirm the door location against the drawing 	Recall and demonstrate practical skill, routine and repetitive narrow range of application, and uses appropriate tool and quality concepts.	4
Core skill	The incumbent needs language	Written or oral communication with	4

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Title/Name of qualification/component: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows) Level: 4			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
	<p>to communicate written or oral, with required clarity, to interact with customers, various supervisors, personnel and teams, confirm requirements and communicate the same for shared understanding. Also prepare a range of routine documentation.</p> <ul style="list-style-type: none"> • fill logs, forms and formats in local language or Hindi for recording quantity and quality of work figures, defects identified or rectified, measurement of opening and post work and other related information, etc. whenever needed. • take notes/instructions related to work in local language or Hindi from supervisor/client • document site measurement and architectural hardware requirement as per design • provide client with all relevant work information including installation timelines, feasibility of designs and available 	<p>required clarity, basic arithmetic and algebraic principles, basic understanding of social political and natural environment.</p>	
Responsibility	<p>The incumbent works with responsibility for own work and learning, which is evident from the incumbent's deliverables and also there is no responsibility for the learning of others therefore this is not level 5.</p>	<p>Responsibility for own work and learning.</p>	4

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Title/Name of qualification/component: Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows) Level: 4			
NSQF Domain	Outcomes of the Qualification/Component	How the job role relates to the NSQF level descriptors	NSQF Level
	<p>For example:</p> <ul style="list-style-type: none"> • use approved procedures to rectify any defects that are within one's competency level and ensure that the finished work meets the required standard • ensure that the installation work gets completed as per client requirement maintaining quality standards and they conform to the given job specification 		

SECTION 3

EVIDENCE OF NEED

26	What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?		
	Basis	In case of SSC	In case of other Awarding Bodies (Institutes under Central Ministries and states departments)
	Need of the qualification	Industry interactions carried out while creating occupational maps and prioritization of job roles for Qualification Pack development. The mentioned qualification was indicated as a key requirement by the industry. Governing Council of FFSC shared the final approval for the development of the QP for the job role. The qualification has also been validated and endorsed by some of the leading industry players, and other small and	NA

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		<p>medium enterprises.</p> <p>In addition, the skill requirement study has indicated the furniture & fittings industry is growing and is expected to grow at 15% CAGR. The market for furniture & fittings is majorly dominated by unorganized sector. This sector is witnessing a strong growth due to increased construction activities in metro cities and tier II cities, changing lifestyles, increasing disposable income along with changing consumer aspirations. The industry is moving towards standardised sizes for the doors and windows. Existing manpower lacks formal training and latest industry techniques. So the job roles is in demand by the employers.</p> <p>Evidence of the qualification is supported by validations. The complete list of validating companies has been enclosed as an annexure to the Q file.</p> <p>Industry validation documents is attached separately.</p> <p>As per skill gap study: Architectural Fittings- Doors/ Windows Medium Industry: 54054 Small Industry: 185625 2016 manpower: 2.40 lakh</p> <p>2022 estimated manpower: 4.25 lakh 2025 estimated manpower:5.65 lakh</p>	
Industry Relevance		FFSC has taken validations of the job roles from at least 30 industry bodies (10-large, 10-small, 10-medium). The Qualification has been developed on the basis of relevance and inputs of industry.	NA

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	Usage of the qualification	<p>The Qualification will be used by Ministries, industries and Training Partners for training and certification of the candidates.</p> <p>85% of the furniture& fittings industry is unorganised. Most of the candidates go for self-employment. Even if the candidates who opt for wage employment unable to produce the offer letter due to highly unorganised sector.</p> <p>The TP would submit details of the employment details (wherever applicable) to the funding agencies.</p>	NA
	Estimated uptake	<p>As per Skill Gap Report, the furniture & fittings industry is growing and is expected to grow at 15% CAGR. It is estimated that there would be an increase in demand of manpower for Architectural Fittings- Doors/ Windows sub sector.</p> <p>The demand for the Installer shall also increase in the coming years in line with the overall growth of furniture industry.</p>	NA
27	<p>Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences</p> <p>Communication with Ministry of Housing and Urban Affairs and Ministry of Micro, Small & Medium Enterprises attached.</p>		
28	<p>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</p> <p>The qualification discussed above is checked for any duplication across sectors. Given the qualification is niche to Furniture sector, there is no duplication or pre-existing similar qualifications. The Q file has been checked in National Qualification Registrar. No existing course found with same content and duration</p> <p>This QP has been developed keeping in mind the industry requirements The qualification has been approved by Qualification Review Committee (QRC), NSDC.</p>		

29	<p>What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated? Specify the review process here</p> <p>The qualification packs will be reviewed and checked for relevance and currency as per industry standards, after a period of 3 years. Also, there will be a sustainability plan in place to maintain relevance of the final QP. This QP is set to be revised post Sep 2022. This QP is set to be revised in three years' time post NSQC approval. Any institution/ individual can send feedback, which will be considered during next review cycle. Communication will be sent for feedback to all the main stakeholders one month prior to the review of the qualification pack.</p> <p>A formal review is scheduled in three years' time.</p>
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Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

- List of QP NOS validating companies- Annexure 3
- Skill Gap study – Annexure 4

SECTION 4
EVIDENCE OF PROGRESSION

30	<p>What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector? Show the career map here to reflect the clear progression</p> <ol style="list-style-type: none"> 1. Discussing the growth trajectory within each occupation after studying organisational charts of various industry players across small, medium and large scale organizations. 2. Exploring various lateral career opportunities for the discussed qualification 3. Ensuring that there is a clear role up in terms of performance criteria qualification experience and skill requirement from lower NSQF Level to higher levels in the hierarchy. <p>Please refer to the career path as per Annexure 1 which clearly defines the career path</p>
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Please attach most relevant and recent documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

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Annexure 1: Career Map of Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)

Architectural Fittings -Doors/Windows OM				
Door / Window Design	RM Procurement & Store keeping (Door/Window)	Production Fittings (Door/Windows)	After sales service /customer support (Door/Window)	Furniture & Fittings Sales
CEO				
Unit head				
Department Head Design-door/windows	Department Head Commercial - RM & Consumables - door/windows	Department Head Production - door/windows	Department Head Customer Support - door/windows	Department Head Sales - door/windows
	Manager Purchase - RM and consumables	Manager Production - door/windows		Manager sales
Entrepreneur				

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Design supervisor - door/windows	Supervisor Production door/windows										
Design Assistant - door/windows	Lead Purchase - RM Doors/windows	Store incharge	Installer frame door window - door/windows	Installer frameless door/window (glass)	Lead Machine Operator CNC & non-CNC			Lead Quality Examiner /Test Technician - door/windows		Lead Sales / Sales Executive	
	Purchase Assistant - RM - Doors/windows	Store Keeper	Assembler-door/windows (wooden /Aluminum)	Assembler - door/window (glass)	Assistant Machine Operator (CNC)	Assistant Machine Operator	Cutter/Handler - door/windows	Assistant Furniture Finisher (Painter/ Polisher/ powder coating)	Assistant Quality Examiner - door/windows	Customer Support Assistant Technician - Doors/ Windows	Field Assistant Sales
Helper*											
Support Functions : HR/IT /Finance/Admin											

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Two additional job roles identified as allied segments to this sector are Interior Designers and Delivery and Installation Assistant-Ecommerce
The occupational map prepared above has NOS for entrepreneurial activities at NSQF level 5 job roles
*Helper job role in this sub segment is also called as junior assistant
Support functions data was not collected ,NSQF levels are mentioned in brackets

**Annexure 2: Qualification Pack of Installer – Frameless Glass Doors/Windows (Options: Installer- Framed Doors/Windows)
(separate file)**

Annexure 3: List of QP/NOS validating companies (separate file)

ANNEX A

NSQF LEVEL DESCRIPTORS

LEVEL	Process required	Professional knowledge	Professional skill	Core skill	Responsibility
1	Prepares person to/carry out process that are repetitive on regular basis require no previous practice,	Familiar with common trade terminology, instructional words, meanings and understanding.	Routine and repetitive, takes safety and security measures.	Reading and writing; addition, subtraction; personal financing; familiarity with social and religious diversity, hygiene and environment.	No responsibility; always works under continuous instruction and close supervision.
2	Prepares person to/carry out processes that are repetitive, on a regular basis, with little application of understanding, more of practice.	Material, tools and applications in a limited context, understands context of work and quality.	Limited service skills used in limited context; select and apply tools; assist in professional works with no variables; differentiate good and bad quality.	Receive and transmit written and oral messages, basic arithmetic, personal financing, understanding of social, political, and religious diversity, hygiene and environment.	No responsibility; works under instruction and close supervision.
3	Person may carry out a job which may require limited range of activities routine and predictable.	Basic facts, process and principle applied in trade of employment.	Recall and demonstrate practical skill, routine and repetitive in narrow range of application	Communication written and oral, with minimum required clarity, skill of basic arithmetic and algebraic principles, personal banking, basic understanding of social	Under close supervision. Some responsibility for own work within defined limit.

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LEVEL	Process required	Professional knowledge	Professional skill	Core skill	Responsibility
				and natural environment.	
4	Work in familiar, predictable, routine, situation of clear choice.	Factual knowledge of field of knowledge or study.	Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concepts.	Language to communicate written or oral, with required clarity, skill to basic arithmetic and algebraic principles, basic understanding of social political and natural environment.	Responsibility for own work and learning.
5	Job that requires well developed skill, with clear choice of procedures in familiar context.	Knowledge of facts, principles, processes and general concepts, in a field of work or study.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying basic methods, tools, materials and information.	Desired mathematical skill; understanding of social, political; and some skill of collecting and organising information, communication.	Responsibility for own work and learning and some responsibility for others' works and learning.

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LEVEL	Process required	Professional knowledge	Professional skill	Core skill	Responsibility
6	Demands a wide range of specialised technical skill, clarity of knowledge and practice in broad range of activity involving standard and non-standard practices.	Factual and theoretical knowledge in broad contexts within a field of work or study.	A range of cognitive and practical skills required to generate solutions to specific problems in a field of work or study.	Reasonable good in mathematical calculation, understanding of social, political and reasonably good in data collecting organising information, and logical communication.	Responsibility for own work and learning and full responsibility for other's works and learning.
7	Requires a command of wide-ranging specialised theoretical and practical skills, involving variable routine and non-routine contexts.	Wide-ranging factual and theoretical knowledge in broad contexts within a field of work or study.	Wide range of cognitive and practical skills required to generate solutions to specific problems in a field of work of study.	Good logical and mathematical skill understanding of social political and natural environment and organising information, communication and presentation skill.	Full responsibility for output of group and development.
8	Comprehensive, cognitive, theoretical knowledge and practical skills to develop creative solutions to abstract problems. Undertakes self-study; demonstrates intellectual independence, analytical rigour and good communication.			Exercise management and supervision in the context of work/study having unpredictable changes; responsible for the work of others.	

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LEVEL	Process required	Professional knowledge	Professional skill	Core skill	Responsibility
9	Advanced knowledge and skill. Critical understanding of the subject, demonstrating mastery and innovation, completion of substantial research and dissertation.			Responsible for decision making in complex technical activities involving unpredictable work/study situations.	
10	Highly specialised knowledge and problem solving skill to provide original contribution to knowledge through research and scholarship.			Responsible for strategic decisions in unpredictable complex situations of work/study.	

NSQF LEVEL OUTLINES
NSQF levels related to the labour market

Level1: Work requiring knowledge, skills and aptitudes at level 1 will be routine, repetitive, and focused on limited tasks carried out under close supervision. In some sectors, people carrying out these job roles may be described as “helpers”.

Individuals in jobs which require level 1 qualifications **may** be expected to be able to read, write, add and subtract, but will not normally be required to have any previous knowledge or skills relating to the work¹.

When employed, they will be instructed in their tasks and expected to learn and use the common terminology of the trade and acquire the basic skills necessary for the work.

Job holders at this level will be expected to carry out the tasks they are given safely and securely and to use hygienic and environmentally friendly practices. This means that they will be expected to take some responsibility for their own health and safety and that of fellow workers.

In working with others, they will be expected to respect the different social and religious backgrounds of their fellow workers.

Level 2: Work requiring knowledge, skills and aptitudes at level 2 will also be routine and repetitive, and tasks will be carried out under close supervision. The individuals will not be expected to deal independently with variables which affect the carrying out of the work. People carrying out these work roles may be described as “assistants” and the range of tasks they carry out will be limited.

Individuals in jobs which require level 2 qualifications will normally be expected to be able to read and write, add and subtract. Their work may involve taking and passing on messages.

They may also be expected to have some previous experience, knowledge and skills in the occupation. When employed, they will be instructed in their tasks and expected to acquire the practical skills necessary to assist skilled workers and/or give a limited service to customers. They will learn about, and use, the materials, tools and applications required to carry out basic tasks in an occupation. They may have to select the appropriate materials, tools and/or applications to carry out tasks.

¹ In practice many workers at this level will have limited literacy and NOS and qualifications at this levels should reflect this – eg in relation to assessment.

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They will be expected to understand what constitutes quality in their job role and distinguish between good and bad quality in the context of the tasks they are given. Job holders at this level will be expected to carry out the tasks they are given safely and securely and to use hygienic and environmentally friendly practices. This means that they will be expected to take some responsibility for their own health and safety and that of fellow workers and, where appropriate, customers.

In working with others, they will be expected to respect the different social and religious backgrounds of their fellow workers, but their contribution to team work may be limited.

Level 3: Work requiring knowledge, skills and aptitudes at level 3 will be routine and predictable. Job holders will be responsible for carrying out a limited range of jobs under close supervision. Their work may require the completion of a number of related tasks. People carrying out these job roles may be described as “partly-skilled workers”.

Individuals in jobs which require level 3 qualifications will normally be expected to be able to communicate clearly in speech and writing and may be required to use arithmetic and algebraic processes. They will be expected to have previous knowledge and skills in the occupation and should know the basic facts, processes and principles applied in the trade for which they are qualified and be able to apply the basic skills of the trade to a limited range of straightforward jobs in the occupation.

They will be expected to understand what constitutes quality in their job role and more widely in the sector or sub-sector and to distinguish between good and bad quality in the context of the jobs they are given. Job holders at this level will be expected to carry out the jobs they are given safely and securely. They will work hygienically and in ways which show an understanding of environmental issues. This means that they will be expected to take responsibility for their own health and safety and that of fellow workers and, where appropriate, customers and/or clients.

In working with others, they will be expected to conduct themselves in ways which show a basic understanding of the social environment. They should be able to make a good contribution to team work.

Level 4: Work requiring knowledge, skills and aptitudes at level 4 will be carried out in familiar, predictable and routine situations. Job holders will be responsible for carrying out a range of jobs, some of which will require them to make choices about the approaches they adopt. They will be expected to learn and improve their practice on the job. People carrying out these jobs may be described as “skilled workers”.

Individuals in jobs which require level 4 qualifications should be able to communicate clearly in speech and writing and may be required to use arithmetic and algebraic processes. They will be expected to have previous knowledge and skills in the occupation in

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which they are employed, to appreciate the nature of the occupation and to understand and apply the rules which govern good practice. They will be able to make choices about the best way to carry out routine jobs where the choices are clear.

They will be expected to understand what constitutes quality in the occupation and will distinguish between good and bad quality in the context of their job roles. Job holders at this level will be expected to carry out their work safely and securely and take full account of the health and safety on colleagues and customers. They will work hygienically and in ways which show an understanding of environmental issues.

In working with others, they will be expected to conduct themselves in ways which show a basic understanding of the social and political environment. They should be able to guide or lead teams on work within their capability.

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Level 5: Work requiring knowledge, skills and aptitudes at level 5 will also be carried out in familiar situations, but also ones where problems may arise. Job holders will be able to make choices about the best procedures to adopt to address problems where the choices are clear.

Individuals in jobs which require level 5 qualifications will normally be responsible for the completion of their own work and expected to learn and improve their performance on the job. They will require well developed practical and cognitive skills to complete their work. They may also have some responsibility for others' work and learning. People carrying out these jobs may be described as "fully skilled workers" or "supervisors".

Individuals employed to carry out these jobs will be expected to be able to communicate clearly in speech and writing and may be required to apply mathematical processes. They should also be able to collect and organise information to communicate about the work. They will solve problems by selecting and applying methods, tools, materials and information.

They will be expected to have previous knowledge and skills in the occupation, and to know and apply facts, principles, processes and general concepts in the occupation.

They will be expected to understand what constitutes quality in the occupation and will distinguish between good and bad quality in the context of their work. They will be expected to operate hygienically and in ways which show an understanding of environmental issues. They will take account of health and safety issues as they affect the work they carry out or supervise.

In working with others, they will be expected to conduct themselves in ways which show an understanding of the social and political environment.

Level 6: Work requiring knowledge, skills and aptitudes at level 6 will require the use of both standard and non-standard practices. Job holders will carry out a broad range of work which will require a wide range of specialised technical skills backed by clear factual and theoretical knowledge.

Individuals in jobs which require level 6 qualifications will normally be responsible for the completion of their own work and expected to learn and improve their performance on the job. They are likely to have full responsibility for others' work and learning. People carrying out these jobs may be described as "master technicians" and "trainers".

Individuals employed to carry out these job roles will be expected to be able to communicate clearly in speech and writing and may be required to carry out mathematical calculations. They should also be able to collect data, organise information, and communicate logically about the work. They will solve problems by selecting and applying methods, tools, materials and information.

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They will be expected to have broad factual and theoretical knowledge applying to practice within the occupation, and a range of practical and cognitive skills. They will be able to generate solutions to problems which arise in their practice.

They will be expected to understand what constitutes quality in the occupation and to distinguish between good and bad quality in the context of all aspects of their work. They will be expected to work in ways which show an understanding of environmental issues. They will take account of health and safety issues as they affect the work they carry out or manage.

In working with others, they will be expected to conduct themselves in ways which show an understanding of the social and political environment.

Level 7: Work requiring knowledge, skills and aptitudes at level 7 will take place in contexts which combine the routine and the non-routine and are subject to variations. Job holders will carry out a broad range of work which requires wide-ranging specialised theoretical and practical skills.

Individuals in jobs which require level 7 qualifications will normally be responsible for the output and development of a work group within an organisation. People carrying out these job roles are likely to be graduates. They may be described as “managers” or “senior technicians”.

Individuals employed to carry out these job roles will be expected to be able to communicate clearly in speech and writing and are likely to be required to carry out mathematical calculations as part of their work. They should also be skilful in collecting and organising information to communicate logically about the work.

They will be expected to have wide-ranging factual and theoretical knowledge of practice within the occupation, and a wide range of specialised practical and cognitive skills. They will be able to generate solutions to problems which arise in their work.

They will be expected to understand what constitutes quality in the occupation and distinguish between good and bad quality in all aspects of their work. They will be expected to work in ways which show a good understanding of environmental issues. They will take account of health and safety issues as they affect the work they carry out and manage.

In working with others, they will be expected to conduct themselves in ways which show a good understanding of the social and political environment.

Level 8: Individuals in jobs which require level 8 qualifications will normally be responsible for managing the work of a team and developing the team. The work will involve dealing with unpredictable circumstances affecting the work.

NSQF QUALIFICATION FILE
Approved in 23rd NSQC, 22nd August 2019

Their work will require the use of comprehensive knowledge and understanding of the occupational field and a commitment to self-development.

They will normally need an ability to develop creative solutions to problems requiring abstract thought. They will be required to show intellectual independence and a rigorous analytical ability. They will need to be good communicators.

Level 9: Individuals in jobs which require level 9 qualifications will normally be responsible for complex decision-making in unpredictable contexts.

They will have to exercise senior responsibility in an organisation and show mastery of the issues in the occupation and the ability to innovate.

Their work will require the use of advanced knowledge and skill. They may make contributions to knowledge in their field through research.

Level 10: Job Individuals in jobs which require level 10 qualifications will normally be responsible for strategic decision-making. The context of their work will be complex and unpredictable.

They are likely to be responsible for an organisation or a significant division of an organisation. They will have to provide leadership.

Their work will require highly specialised knowledge and problem-solving skills. They may make original contributions to knowledge in their field through research, scholarship or innovative practice.