

Qualification Pack



Dron-o-Grapher

QP Code: TEL/Q6221

Version: 1.0

NSQF Level: 3

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TEL/Q6221: Dron-o-Grapher

Brief Job Description

The individual in this job role is responsible for using drones to capture aerial footage and images for use in a variety of creative projects. They are also responsible for providing drone photography and videography, as well as the ability to work independently and as part of a team.

Personal Attributes

The individual must have analytical and problem-solving skills with the ability to work in coordination with others. They should have good verbal and written communication skills.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [TEL/N6263: Operate drone and camera accessories](#)
2. [TEL/N6264: Perform post processing and editing of photographs and footages](#)
3. [TEL/N6265: Preventive maintenance and troubleshooting of drones and related accessories](#)
4. [TEL/N6266: Use drone photography in various sectors](#)
5. [DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

Qualification Pack (QP) Parameters

Sector	Telecom
Sub-Sector	Network Managed Services
Occupation	Network Operation and Maintenance
Country	India
NSQF Level	3
Credits	14
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3431.9900

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Minimum Educational Qualification & Experience	10th grade pass (or equivalent) OR 9th grade pass (with 1.5-year relevant experience)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	31/01/2027
NSQC Approval Date	31/01/2024
Version	1.0
Reference code on NQR	QG-03-TL-01995-2024-V1-TSSC
NQR Version	1

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TEL/N6263: Operate drone and camera accessories

Description

The OS unit is about operating and maintaining drone and camera accessories in order to capture aerial footage and images.

Scope

The scope covers the following :

- Pre operations checks
- Conduct flight operations
- Capture drone video and aerial photography

Elements and Performance Criteria

Pre operations checks

To be competent, the user/individual on the job must be able to:

- PC1.** ensure that the drone's battery is fully charged and securely connected
- PC2.** check for any damage or signs of wear on the battery and its connectors
- PC3.** inspect the propellers for any cracks, chips, or other damage. Ensure that they are properly mounted and tightened
- PC4.** check that all flight controls, including the throttle, yaw, pitch, and roll, are functioning correctly and responding appropriately
- PC5.** verify that the drone's GPS and compass are calibrated and functioning properly
- PC6.** inspect the camera and gimbal for any damage or misalignment
- PC7.** ensure that a suitable memory card/storage device is inserted into the camera and has sufficient storage capacity for capturing footage
- PC8.** check that the remote controller is fully charged and functioning properly
- PC9.** verify that the control sticks, buttons, and switches are responsive
- PC10.** make sure that the drone's firmware and any companion software on connected devices are up to date
- PC11.** assess the current weather conditions and check for any weather advisories or restrictions that may affect safe drone operation

Conduct flight operations

To be competent, the user/individual on the job must be able to:

- PC12.** power on the drone and remote controller
- PC13.** perform a final check of the drone's sensors, GPS lock, and flight mode
- PC14.** slowly increase the throttle to lift the drone off the ground
- PC15.** maintain a steady ascent while monitoring the drone's altitude and stability
- PC16.** follow the planned flight path while maintaining a safe distance from obstacles and restricted areas
- PC17.** monitor the drone's battery level and return to the landing zone if it reaches a low level

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- PC18.** keep visual contact with the drone at all times and maintain situational awareness
- PC19.** adjust the camera settings and angles to capture the desired footage or images
- PC20.** monitor the drone's telemetry data, such as altitude, speed, and battery level, for safe and controlled flight
- PC21.** identify a suitable landing zone that is clear of people and obstacles
- PC22.** descend the drone slowly and steadily
- PC23.** use the remote controller to guide the drone to the landing zone
- PC24.** power off the drone and remote controller after a successful landing

Capture drone video and aerial photography

To be competent, the user/individual on the job must be able to:

- PC25.** adjust camera settings such as resolution, frame rate, ISO, white balance, etc. based on your desired outcome
- PC26.** assess the lighting conditions at the location
- PC27.** fly the drone to the desired location to capture the photos or videos
- PC28.** ensure the drone is stable before taking any shots
- PC29.** use the live feed from the drone's camera to frame the shot
- PC30.** adjust the drone's position and orientation to achieve the desired composition
- PC31.** use the camera controls on the drone's remote controller or mobile app to capture photos
- PC32.** switch to video mode on drone's camera to start recording drone footage
- PC33.** maintain smooth and controlled maneuvers while operating the drone to avoid shaky footage/images
- PC34.** explore different camera movements, such as tilting, panning, or tracking, to add visual interest to the shots

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** definition of a drone
- KU2.** historical overview of drone technology
- KU3.** classification & categorization of drones
- KU4.** operations of various types of drones
- KU5.** drone Flight Fundamentals, including the principles of aerodynamics and drone movements
- KU6.** drone Piloting Skills to effectively control and maneuver the drone during flights
- KU7.** drone Maintenance & Repair procedures to ensure optimal performance and address issues when they arise
- KU8.** importance of a Pre-Flight Checklist for ensuring safe and successful drone operations
- KU9.** take-off & Landing procedures to execute smooth and controlled flight transitions
- KU10.** drone Safety Rules & Regulations to comply with legal requirements and prioritize safety
- KU11.** basic flight manoeuvres to perform precise and controlled movements with the drone
- KU12.** autonomous Flight Modes and their functionalities for automated flight operations

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- KU13.** obstacle avoidance and Collision detection techniques to prevent accidents and ensure safe navigation
- KU14.** manual and Automated Camera Control methods to capture desired footage and images
- KU15.** basic components of drone technology
- KU16.** working principle of drones
- KU17.** aerodynamics of flight
- KU18.** applications of drones
- KU19.** CAR (Civil Aviation Regulations) of DGCA for drones
- KU20.** drone forbidden areas
- KU21.** aerial photography and videography using drones
- KU22.** weather and meteorology

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work related records
- GS2.** read the relevant documents and drone operation manuals
- GS3.** communicate clearly and politely with co-workers, supervisors and clients
- GS4.** listen attentively to understand the information/instructions
- GS5.** plan and prioritise tasks to ensure timely completion
- GS6.** choose the best solution to an issue
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/accidents

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Pre operations checks</i>	9	16	-	3
PC1. ensure that the drone's battery is fully charged and securely connected	1	2	-	-
PC2. check for any damage or signs of wear on the battery and its connectors	1	1	-	-
PC3. inspect the propellers for any cracks, chips, or other damage. Ensure that they are properly mounted and tightened	1	1	-	-
PC4. check that all flight controls, including the throttle, yaw, pitch, and roll, are functioning correctly and responding appropriately	1	2	-	1
PC5. verify that the drone's GPS and compass are calibrated and functioning properly	1	1	-	1
PC6. inspect the camera and gimbal for any damage or misalignment	-	3	-	-
PC7. ensure that a suitable memory card/storage device is inserted into the camera and has sufficient storage capacity for capturing footage	1	2	-	-
PC8. check that the remote controller is fully charged and functioning properly	1	1	-	-
PC9. verify that the control sticks, buttons, and switches are responsive	1	1	-	-
PC10. make sure that the drone's firmware and any companion software on connected devices are up to date	-	1	-	-
PC11. assess the current weather conditions and check for any weather advisories or restrictions that may affect safe drone operation	1	1	-	1
<i>Conduct flight operations</i>	13	32	-	4
PC12. power on the drone and remote controller	1	2	-	1

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. perform a final check of the drone's sensors, GPS lock, and flight mode	1	3	-	-
PC14. slowly increase the throttle to lift the drone off the ground	1	2	-	-
PC15. maintain a steady ascent while monitoring the drone's altitude and stability	1	3	-	-
PC16. follow the planned flight path while maintaining a safe distance from obstacles and restricted areas	1	3	-	1
PC17. monitor the drone's battery level and return to the landing zone if it reaches a low level	1	2	-	-
PC18. keep visual contact with the drone at all times and maintain situational awareness	1	3	-	-
PC19. adjust the camera settings and angles to capture the desired footage or images	1	2	-	1
PC20. monitor the drone's telemetry data, such as altitude, speed, and battery level, for safe and controlled flight	1	2	-	-
PC21. identify a suitable landing zone that is clear of people and obstacles	1	2	-	-
PC22. descend the drone slowly and steadily	1	3	-	-
PC23. use the remote controller to guide the drone to the landing zone	1	2	-	1
PC24. power off the drone and remote controller after a successful landing	1	3	-	-
<i>Capture drone video and aerial photography</i>	8	12	-	3
PC25. adjust camera settings such as resolution, frame rate, ISO, white balance, etc. based on your desired outcome	1	-	-	1
PC26. assess the lighting conditions at the location	1	1	-	-
PC27. fly the drone to the desired location to capture the photos or videos	1	1	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC28. ensure the drone is stable before taking any shots	-	2	-	-
PC29. use the live feed from the drone's camera to frame the shot	1	1	-	1
PC30. adjust the drone's position and orientation to achieve the desired composition	1	1	-	-
PC31. use the camera controls on the drone's remote controller or mobile app to capture photos	-	2	-	-
PC32. switch to video mode on drone's camera to start recording drone footage	1	1	-	-
PC33. maintain smooth and controlled maneuvers while operating the drone to avoid shaky footage/images	1	2	-	1
PC34. explore different camera movements, such as tilting, panning, or tracking, to add visual interest to the shots	1	1	-	-
NOS Total	30	60	-	10

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National Occupational Standards (NOS) Parameters

NOS Code	TEL/N6263
NOS Name	Operate drone and camera accessories
Sector	Telecom
Sub-Sector	Network Managed Services
Occupation	Network Operation and Maintenance
NSQF Level	3
Credits	4
Version	1.0
Last Reviewed Date	31/01/2024
Next Review Date	31/01/2027
NSQC Clearance Date	31/01/2024

Qualification Pack

TEL/N6264: Perform post processing and editing of photographs and footages

Description

The OS unit is about generating edit and enhances drone footage and images in order to create high-quality content.

Scope

The scope covers the following :

- Optimize and Maintain Editing Workstations for Drone Media Processing
- Use Image and Video Editing Software
- Engage with ample amount of Storage and Backup Solutions

Elements and Performance Criteria

Optimize and maintain editing workstations for drone media processing

To be competent, the user/individual on the job must be able to:

- PC1.** configure and fine-tuning computer settings to maximize performance
- PC2.** ensure that the computer meets the minimum requirements for running resource-intensive editing software
- PC3.** upgrade computer hardware if it does not fulfill the required specifications
- PC4.** update computer's operating system, drivers, and editing software regularly
- PC5.** organize files into a logical folder structure
- PC6.** utilize hardware acceleration, such as supporting GPU offloading for processing tasks

Use image and video editing software

To be competent, the user/individual on the job must be able to:

- PC7.** research different image and video editing software options available
- PC8.** use features such as colour correction, filters and effects, cropping and resizing tools, stabilization, and other functions that are important for your editing goals
- PC9.** follow the instructions provided by the developer to download and install it on the computer
- PC10.** enable hardware acceleration within your editing software's settings, if available
- PC11.** use proxies or optimized media files to enhance editing efficiency while preserving the original quality of the media
- PC12.** perform rendering of high-resolution files for the best output quality

Engage with ample amount of storage and backup solutions

To be competent, the user/individual on the job must be able to:

- PC13.** evaluate the storage space needed for drone photographs and footage
- PC14.** utilise external hard drives or solid-state drives (SSDs) with sufficient capacity to accommodate the obtained files
- PC15.** transfer the drone files from drone's memory card or internal storage to the allocated computer's primary storage device or the external hard drives that is acquired

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- PC16.** protect drone files from loss or damage by implementing backup solutions
- PC17.** use cloud storage services such as Google Drive, Dropbox, or Microsoft OneDrive
- PC18.** set up a RAID (Redundant Array of Independent Disks) system that provide increased data redundancy and protection
- PC19.** set up a regular backup schedule to ensure that your drone files are consistently backed up

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** key specifications to consider when choosing a computer for drone videography and photography, such as the processor (CPU), RAM, and graphics card (GPU)
- KU2.** common upgrades that can be made to a computer to improve its performance for drone videography and photography, such as adding more RAM, replacing the CPU or GPU with a more powerful one, or installing additional storage
- KU3.** proxies or optimized media files, which are lower-resolution versions of video files that are easier to edit and require less processing power
- KU4.** popular options for image editing, such as Adobe Photoshop, GIMP, and Affinity Photo, and for video editing, such as Adobe Premiere Pro, Final Cut Pro, and DaVinci Resolve
- KU5.** drone technology, including the different types of drones, their basic components, and how they work
- KU6.** plan for drone videography and photography, such as scouting locations, pre-visualizing shots, and planning for lighting conditions and weather
- KU7.** FAA regulations and local laws for drone videography and photography
- KU8.** camera settings on a drone to capture high-quality video and images
- KU9.** flight modes and maneuvers on a drone to capture smooth and stable footage
- KU10.** frame and compose shots effectively to create visually appealing videos and images
- KU11.** narrative through drone videography and photography by telling a story with their footage

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work related notes and records
- GS2.** communicate clearly and politely with co-workers and clients
- GS3.** listen attentively to understand the information/instructions
- GS4.** plan and prioritize tasks to ensure timely completion
- GS5.** co-ordinate with co-workers to achieve work objectives
- GS6.** evaluate all possible solutions to a problem to select the best one
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/accidents

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Optimize and maintain editing workstations for drone media processing</i>	10	20	-	3
PC1. configure and fine-tuning computer settings to maximize performance	2	3	-	1
PC2. ensure that the computer meets the minimum requirements for running resource-intensive editing software	1	4	-	-
PC3. upgrade computer hardware if it does not fulfill the required specifications	2	3	-	-
PC4. update computer's operating system, drivers, and editing software regularly	2	3	-	-
PC5. organize files into a logical folder structure	1	4	-	1
PC6. utilize hardware acceleration, such as supporting GPU offloading for processing tasks	2	3	-	1
<i>Use image and video editing software</i>	10	20	-	4
PC7. research different image and video editing software options available	2	3	-	-
PC8. use features such as colour correction, filters and effects, cropping and resizing tools, stabilization, and other functions that are important for your editing goals	1	3	-	1
PC9. follow the instructions provided by the developer to download and install it on the computer	2	4	-	1
PC10. enable hardware acceleration within your editing software's settings, if available	2	3	-	1
PC11. use proxies or optimized media files to enhance editing efficiency while preserving the original quality of the media	1	3	-	1
PC12. perform rendering of high-resolution files for the best output quality	2	4	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Engage with ample amount of storage and backup solutions</i>	10	20	-	3
PC13. evaluate the storage space needed for drone photographs and footage	1	3	-	1
PC14. utilise external hard drives or solid-state drives (SSDs) with sufficient capacity to accommodate the obtained files	2	3	-	-
PC15. transfer the drone files from drone's memory card or internal storage to the allocated computer's primary storage device or the external hard drives that is acquired	2	2	-	-
PC16. protect drone files from loss or damage by implementing backup solutions	2	3	-	-
PC17. use cloud storage services such as Google Drive, Dropbox, or Microsoft OneDrive	1	3	-	1
PC18. set up a RAID (Redundant Array of Independent Disks) system that provide increased data redundancy and protection	1	3	-	-
PC19. set up a regular backup schedule to ensure that your drone files are consistently backed up	1	3	-	1
NOS Total	30	60	-	10

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National Occupational Standards (NOS) Parameters

NOS Code	TEL/N6264
NOS Name	Perform post processing and editing of photographs and footages
Sector	Telecom
Sub-Sector	Network Managed Services
Occupation	Network Operation and Maintenance
NSQF Level	3
Credits	3
Version	1.0
Last Reviewed Date	31/01/2024
Next Review Date	31/01/2027
NSQC Clearance Date	31/01/2024

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TEL/N6265: Preventive maintenance and troubleshooting of drones and related accessories

Description

The OS unit is about procedures that are followed in order to maintain and troubleshoot drones.

Scope

The scope covers the following :

- Interpret Drone related issues
- Perform repair and maintenance of drones
- Perform repair and maintenance of accessories

Elements and Performance Criteria

• Interpret Drone related issues

To be competent, the user/individual on the job must be able to:

- PC1.** pay close attention to any abnormal behavior, error messages, or visual cues like flight patterns, video transmission issues, gimbal instability, or warning lights on the controller exhibited by the drone or its accessories
- PC2.** analyze the flight logs to gain insights into the drone's performance, including flight duration, altitude, speed, battery voltage, and any recorded errors
- PC3.** consult the drone's user manual, manufacturer's website, or online forums for troubleshooting guides and common issues related to your specific drone model
- PC4.** calibrate utilities, sensor status indicators, or connectivity testers of the drones
- PC5.** regularly perform preventive maintenance tasks recommended by the manufacturer that include cleaning the drone and its accessories, inspecting cables and connectors for wear or damage, checking battery health, and performing firmware updates
- PC6.** follow a systematic approach to isolate and identify the root cause of the problem

Perform repair and maintenance of drones

To be competent, the user/individual on the job must be able to:

- PC7.** understand how the components like frame, motors, propellers, battery, camera, gimbal, and any additional accessories work together to ensure proper operation
- PC8.** keep the drone and its accessories clean to prevent dirt, dust, and debris from affecting its performance
- PC9.** use a soft brush or compressed air to remove debris from the motors, propellers, and other areas
- PC10.** keep the drone's firmware up to date ensures that it benefits from bug fixes, stability improvements, and new features
- PC11.** calibrate the drone's sensors, compass, and gimbal
- PC12.** replace the faulty parts after inspection
- PC13.** follow the manufacturer's guidelines for battery care, including storage temperature, charging practices, and handling precautions

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PC14. inspect the battery regularly for any signs of damage or swelling and replace it if necessary

Perform repair and maintenance of accessories

To be competent, the user/individual on the job must be able to:

PC15. identify the specific accessories that require repair and maintenance. These may include propellers, batteries, chargers, remote controllers, camera gimbals, ND filters, landing gear, or any other accessories used with your drone

PC16. carefully inspect each accessory for any visible signs of damage, wear, or malfunction

PC17. look for cracks, dents, loose connections, frayed wires, or any other abnormalities

PC18. calibrate the camera gimbals to ensure proper operations

PC19. take away the malfunctioning drone from the relevant person

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. definition of a drone

KU2. historical overview of drone technology

KU3. classification & categorization of drones

KU4. operations of various types of drones

KU5. basic components of drone technology

KU6. drone Flight Fundamentals, including the principles of aerodynamics and drone movements

KU7. drone Piloting Skills to effectively control and maneuver the drone during flights

KU8. drone Maintenance & Repair procedures to ensure optimal performance and address issues when they arise

KU9. importance of a Pre-Flight Checklist for ensuring safe and successful drone operations

KU10. take-off & Landing procedures to execute smooth and controlled flight transitions

KU11. drone Safety Rules & Regulations to comply with legal requirements and prioritize safety

KU12. basic flight manoeuvres to perform precise and controlled movements with the drone

KU13. autonomous Flight Modes and their functionalities for automated flight operations

KU14. obstacle avoidance and Collision detection techniques to prevent accidents and ensure safe navigation

KU15. manual and Automated Camera Control methods to capture desired footage and images

KU16. data logging and analysis for recording flight data and analyzing performance

KU17. basic Maintenance Tasks to keep the drone in optimal condition and extend its lifespan

KU18. troubleshooting common issues that may occur during drone operations

KU19. components replacement and repair procedures for addressing faulty or damaged parts

KU20. software Updates & Calibration requirements to keep the drone's software and sensors up to date and accurately calibrated

Generic Skills (GS)

User/individual on the job needs to know how to:



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- GS1.** maintain work related notes and records
- GS2.** communicate clearly and politely with co-workers and clients
- GS3.** listen attentively to understand the information/instructions
- GS4.** plan and prioritise tasks to ensure timely completion
- GS5.** co-ordinate with co-workers to achieve work objectives
- GS6.** evaluate all possible solutions to a problem to select the best one
- GS7.** identify possible disruptions to work and take appropriate preventive measures
- GS8.** take quick decisions to deal with workplace emergencies/accidents

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
• <i>Interpret Drone related issues</i>	10	20	-	3
PC1. pay close attention to any abnormal behavior, error messages, or visual cues like flight patterns, video transmission issues, gimbal instability, or warning lights on the controller exhibited by the drone or its accessories	2	3	-	1
PC2. analyze the flight logs to gain insights into the drone's performance, including flight duration, altitude, speed, battery voltage, and any recorded errors	1	4	-	-
PC3. consult the drone's user manual, manufacturer's website, or online forums for troubleshooting guides and common issues related to your specific drone model	2	3	-	-
PC4. calibrate utilities, sensor status indicators, or connectivity testers of the drones	2	3	-	-
PC5. regularly perform preventive maintenance tasks recommended by the manufacturer that include cleaning the drone and its accessories, inspecting cables and connectors for wear or damage, checking battery health, and performing firmware updates	1	4	-	1
PC6. follow a systematic approach to isolate and identify the root cause of the problem	2	3	-	1
<i>Perform repair and maintenance of drones</i>	10	20	-	4
PC7. understand how the components like frame, motors, propellers, battery, camera, gimbal, and any additional accessories work together to ensure proper operation	2	3	-	-
PC8. keep the drone and its accessories clean to prevent dirt, dust, and debris from affecting its performance	1	3	-	1
PC9. use a soft brush or compressed air to remove debris from the motors, propellers, and other areas	2	4	-	1

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. keep the drone's firmware up to date ensures that it benefits from bug fixes, stability improvements, and new features	1	3	-	1
PC11. calibrate the drone's sensors, compass, and gimbal	1	3	-	1
PC12. replace the faulty parts after inspection	1	2	-	-
PC13. follow the manufacturer's guidelines for battery care, including storage temperature, charging practices, and handling precautions	1	1	-	-
PC14. inspect the battery regularly for any signs of damage or swelling and replace it if necessary	1	1	-	-
<i>Perform repair and maintenance of accessories</i>	10	20	-	3
PC15. identify the specific accessories that require repair and maintenance. These may include propellers, batteries, chargers, remote controllers, camera gimbals, ND filters, landing gear, or any other accessories used with your drone	1	5	-	1
PC16. carefully inspect each accessory for any visible signs of damage, wear, or malfunction	4	5	-	-
PC17. look for cracks, dents, loose connections, frayed wires, or any other abnormalities	2	5	-	1
PC18. calibrate the camera gimbals to ensure proper operations	2	3	-	1
PC19. take away the malfunctioning drone from the relevant person	1	2	-	-
NOS Total	30	60	-	10

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National Occupational Standards (NOS) Parameters

NOS Code	TEL/N6265
NOS Name	Preventive maintenance and troubleshooting of drones and related accessories
Sector	Telecom
Sub-Sector	Network Managed Services
Occupation	Network Operation and Maintenance
NSQF Level	3
Credits	3
Version	1.0
Last Reviewed Date	31/01/2024
Next Review Date	31/01/2027
NSQC Clearance Date	31/01/2024

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TEL/N6266: Use drone photography in various sectors

Description

The OS unit is about use of drone photography in different other sectors.

Scope

The scope covers the following :

- Use of drone in Real Estate
- Use of drone in Agriculture
- Use of drone in Media and Journalism
- Use of drone in Tourism and Hospitality
- Use of drone in Other Sectors

Elements and Performance Criteria

Use of drones in Real Estate

To be competent, the user/individual on the job must be able to:

- PC1.** operate the drone effectively to capture high-quality aerial photographs of real estate properties i.e. property's features, surrounding landscapes, and amenities
- PC2.** use drone photography to emphasize key features of the property, such as pool areas, gardens, outdoor living spaces, or architectural details
- PC3.** capture wide-angle shots or panoramic views of the property to provide potential buyers with a comprehensive overview of the entire property layout and surrounding areas
- PC4.** possess skills in editing drone photographs to enhance their visual appeal and showcase the property in the best possible light
- PC5.** create captivating drone videos of the property, showcasing the exterior and interior spaces, amenities, and surrounding landscapes
- PC6.** proficient in capturing smooth and cinematic footage, incorporating transitions, and adding appropriate music or voiceovers to create engaging real estate videos

Utilize drone technology in Agriculture

To be competent, the user/individual on the job must be able to:

- PC7.** operate a drone equipped with a camera to capture high-resolution aerial photographs of agricultural fields, crops, and surrounding areas
- PC8.** understand the drone's controls, camera settings, and flight techniques to obtain clear and well-composed images
- PC9.** analyze aerial imagery to assess crop health, identify areas of stress, disease, or nutrient deficiencies, and monitor overall crop conditions
- PC10.** develop the ability to interpret visual cues in the imagery and correlate them with agronomic knowledge to make informed decisions
- PC11.** plan and execute efficient flight paths over agricultural fields to ensure comprehensive coverage and minimize overlap
- PC12.** consider factors such as field size, crop type, and desired image resolution

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- PC13.** integrate remote sensing technologies such as multispectral or thermal cameras into the drone platform
- PC14.** interpret color variations, vegetation indices, and other data layers to assess crop vigor, growth patterns, or pest infestations
- PC15.** integrate aerial imagery data into existing farm management systems or precision agriculture platforms

Use of drones in Media and Journalism

To be competent, the user/individual on the job must be able to:

- PC16.** operate the drone to capture high-quality aerial footage of news events, social issues, natural disasters, or other relevant subjects
- PC17.** capture aerial shots that give a broader perspective, highlighting the scale of events, showcasing geographical features, or revealing unique angles that ground-level photography cannot capture

Use of drones in Tourism and Hospitality

To be competent, the user/individual on the job must be able to:

- PC18.** utilize drone photography to capture stunning aerial views of tourist destinations, hotels, and resorts
- PC19.** use drone photography to showcase the property's amenities, such as pools, gardens, golf courses, or beachfront access
- PC20.** use drone photography to create engaging promotional content, including videos and images, that can be used in marketing campaigns, websites, social media, and brochures

Use of drones in other sectors

To be competent, the user/individual on the job must be able to:

- PC21.** control and maneuver drones to navigate through challenging terrains, varying weather conditions, and complex environments.
- PC22.** assess live footage, thermal imaging, or other sensor data to identify potential signs of individuals in distress.
- PC23.** inspect power lines, transmission towers, and other energy infrastructure
- PC24.** operate drones proficiently for aerial surveillance, providing real-time situational awareness in critical situations
- PC25.** leverage drone technology for search and rescue missions by employing advanced imaging capabilities
- PC26.** utilize drones to conduct regular aerial surveys of transportation and logistics facilities, enabling the quick and accurate assessment of inventory levels, storage conditions, and overall operational efficiency

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** factors such as field size, crop type, and desired image resolution to effectively plan and capture drone imagery for agricultural analysis
- KU2.** the principles of drone sensors and how to capture and interpret corresponding imagery for advanced analysis of crop health indicators, water stress, or heat signatures

Qualification Pack

- KU3.** post-processing and editing techniques to enhance and refine drone imagery for various applications
- KU4.** drone and camera accessories and their role in optimizing drone videography and photography
- KU5.** the applications of drone videography and photography across different industries such as real estate, architecture, advertising, marketing, news, sports, and entertainment
- KU6.** the future trends and advancements in drone videography and photography, including emerging technologies and techniques
- KU7.** the principles of color grading and color correction to enhance the visual quality and aesthetic appeal of drone footage
- KU8.** the process of editing and assembling drone footage to create compelling videos or photo compilations
- KU9.** how to incorporate sound effects and music into drone videos to enhance the overall viewer experience
- KU10.** the different types of accessories available for drones and cameras, their functionalities, and how they can enhance the capabilities of drone videography and photography
- KU11.** how to effectively use accessories to enhance the quality, stability, and versatility of drone videography and photography
- KU12.** the safety considerations and precautions when using accessories with drones and cameras to ensure safe and responsible operation
- KU13.** the fundamentals of filmmaking and cinematography techniques to capture visually captivating drone footage
- KU14.** the specific applications of drone videography and photography in the real estate and architecture industries
- KU15.** the role of drone videography and photography in advertising and marketing campaigns to create impactful visuals and engage the target audience
- KU16.** the use of drones in news and journalism to capture aerial perspectives, cover events, and provide informative and engaging visual content
- KU17.** the utilization of drones for capturing sports events and entertainment performances, adding dynamic and immersive perspectives to the footage
- KU18.** the latest emerging trends and technologies in drone videography and photography, and how they are shaping the industry
- KU19.** the potential applications and benefits of drone videography and photography in various sectors, including improved efficiency, cost-effectiveness, and creative possibilities
- KU20.** surveying and mapping using drones
- KU21.** search and rescue operations using drones
- KU22.** agriculture and crop monitoring using drones
- KU23.** delivery and transportation using drones
- KU24.** emerging drone technology using drones

Generic Skills (GS)

User/individual on the job needs to know how to:



Qualification Pack

- GS1.** maintain work related notes and records
- GS2.** read the user manual to get information about the latest development in the field of work
- GS3.** communicate clearly and politely with co-workers and clients
- GS4.** listen attentively to understand the information/instructions
- GS5.** plan and priorities tasks to ensure timely completion
- GS6.** co-ordinate with co-workers to achieve work objectives
- GS7.** evaluate all possible solutions to a problem to select the best one
- GS8.** identify possible disruptions to work and take appropriate preventive measures
- GS9.** take quick decisions to deal with workplace emergencies/accidents

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Use of drones in Real Estate</i>	7	15	-	3
PC1. operate the drone effectively to capture high-quality aerial photographs of real estate properties i.e. property's features, surrounding landscapes, and amenities	2	2	-	1
PC2. use drone photography to emphasize key features of the property, such as pool areas, gardens, outdoor living spaces, or architectural details	1	3	-	1
PC3. capture wide-angle shots or panoramic views of the property to provide potential buyers with a comprehensive overview of the entire property layout and surrounding areas	1	2	-	-
PC4. possess skills in editing drone photographs to enhance their visual appeal and showcase the property in the best possible light	1	3	-	-
PC5. create captivating drone videos of the property, showcasing the exterior and interior spaces, amenities, and surrounding landscapes	1	3	-	-
PC6. proficient in capturing smooth and cinematic footage, incorporating transitions, and adding appropriate music or voiceovers to create engaging real estate videos	1	2	-	1
<i>Utilize drone technology in Agriculture</i>	10	20	-	3
PC7. operate a drone equipped with a camera to capture high-resolution aerial photographs of agricultural fields, crops, and surrounding areas	1	2	-	-
PC8. understand the drone's controls, camera settings, and flight techniques to obtain clear and well-composed images	1	2	-	1
PC9. analyze aerial imagery to assess crop health, identify areas of stress, disease, or nutrient deficiencies, and monitor overall crop conditions	1	3	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. develop the ability to interpret visual cues in the imagery and correlate them with agronomic knowledge to make informed decisions	1	2	-	-
PC11. plan and execute efficient flight paths over agricultural fields to ensure comprehensive coverage and minimize overlap	2	3	-	1
PC12. consider factors such as field size, crop type, and desired image resolution	1	2	-	-
PC13. integrate remote sensing technologies such as multispectral or thermal cameras into the drone platform	1	2	-	-
PC14. interpret color variations, vegetation indices, and other data layers to assess crop vigor, growth patterns, or pest infestations	1	2	-	1
PC15. integrate aerial imagery data into existing farm management systems or precision agriculture platforms	1	2	-	-
<i>Use of drones in Media and Journalism</i>	5	10	-	2
PC16. operate the drone to capture high-quality aerial footage of news events, social issues, natural disasters, or other relevant subjects	2	5	-	1
PC17. capture aerial shots that give a broader perspective, highlighting the scale of events, showcasing geographical features, or revealing unique angles that ground-level photography cannot capture	3	5	-	1
<i>Use of drones in Tourism and Hospitality</i>	5	10	-	2
PC18. utilize drone photography to capture stunning aerial views of tourist destinations, hotels, and resorts	1	2	-	-
PC19. use drone photography to showcase the property's amenities, such as pools, gardens, golf courses, or beachfront access	2	3	-	1

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC20. use drone photography to create engaging promotional content, including videos and images, that can be used in marketing campaigns, websites, social media, and brochures	2	5	-	1
<i>Use of drones in other sectors</i>	3	5	-	-
PC21. control and maneuver drones to navigate through challenging terrains, varying weather conditions, and complex environments.	1	1	-	-
PC22. assess live footage, thermal imaging, or other sensor data to identify potential signs of individuals in distress.	-	1	-	-
PC23. inspect power lines, transmission towers, and other energy infrastructure	1	1	-	-
PC24. operate drones proficiently for aerial surveillance, providing real-time situational awareness in critical situations	1	-	-	-
PC25. leverage drone technology for search and rescue missions by employing advanced imaging capabilities	-	1	-	-
PC26. utilize drones to conduct regular aerial surveys of transportation and logistics facilities, enabling the quick and accurate assessment of inventory levels, storage conditions, and overall operational efficiency	-	1	-	-
NOS Total	30	60	-	10

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TEL/N6266
NOS Name	Use drone photography in various sectors
Sector	Telecom
Sub-Sector	Network Managed Services
Occupation	Network Operation and Maintenance
NSQF Level	3
Credits	2
Version	1.0
Last Reviewed Date	31/01/2024
Next Review Date	31/01/2027
NSQC Clearance Date	31/01/2024

Qualification Pack

DGT/VSQ/N0102: Employability Skills (60 Hours)

Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Career Development & Goal Setting
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

Elements and Performance Criteria

Introduction to Employability Skills

To be competent, the user/individual on the job must be able to:

- PC1.** identify employability skills required for jobs in various industries
- PC2.** identify and explore learning and employability portals

Constitutional values - Citizenship

To be competent, the user/individual on the job must be able to:

- PC3.** recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.
- PC4.** follow environmentally sustainable practices

Becoming a Professional in the 21st Century

To be competent, the user/individual on the job must be able to:

- PC5.** recognize the significance of 21st Century Skills for employment
- PC6.** practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

Basic English Skills

To be competent, the user/individual on the job must be able to:

Qualification Pack

- PC7.** use basic English for everyday conversation in different contexts, in person and over the telephone
- PC8.** read and understand routine information, notes, instructions, mails, letters etc. written in English
- PC9.** write short messages, notes, letters, e-mails etc. in English

Career Development & Goal Setting

To be competent, the user/individual on the job must be able to:

- PC10.** understand the difference between job and career
- PC11.** prepare a career development plan with short- and long-term goals, based on aptitude

Communication Skills

To be competent, the user/individual on the job must be able to:

- PC12.** follow verbal and non-verbal communication etiquette and active listening techniques in various settings
- PC13.** work collaboratively with others in a team

Diversity & Inclusion

To be competent, the user/individual on the job must be able to:

- PC14.** communicate and behave appropriately with all genders and PwD
- PC15.** escalate any issues related to sexual harassment at workplace according to POSH Act

Financial and Legal Literacy

To be competent, the user/individual on the job must be able to:

- PC16.** select financial institutions, products and services as per requirement
- PC17.** carry out offline and online financial transactions, safely and securely
- PC18.** identify common components of salary and compute income, expenses, taxes, investments etc
- PC19.** identify relevant rights and laws and use legal aids to fight against legal exploitation

Essential Digital Skills

To be competent, the user/individual on the job must be able to:

- PC20.** operate digital devices and carry out basic internet operations securely and safely
- PC21.** use e- mail and social media platforms and virtual collaboration tools to work effectively
- PC22.** use basic features of word processor, spreadsheets, and presentations

Entrepreneurship

To be competent, the user/individual on the job must be able to:

- PC23.** identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research
- PC24.** develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion
- PC25.** identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

Customer Service

To be competent, the user/individual on the job must be able to:

- PC26.** identify different types of customers
- PC27.** identify and respond to customer requests and needs in a professional manner.

Qualification Pack

PC28. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

To be competent, the user/individual on the job must be able to:

PC29. create a professional Curriculum vitae (Résumé)

PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively

PC31. apply to identified job openings using offline /online methods as per requirement

PC32. answer questions politely, with clarity and confidence, during recruitment and selection

PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills and different learning and employability related portals

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. how to use English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

KU6. importance of career development and setting long- and short-term goals

KU7. about effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

KU10. different types of financial institutes, products, and services

KU11. how to compute income and expenditure

KU12. importance of maintaining safety and security in offline and online financial transactions

KU13. different legal rights and laws

KU14. different types of digital devices and the procedure to operate them safely and securely

KU15. how to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

KU16. how to identify business opportunities

KU17. types and needs of customers

KU18. how to apply for a job and prepare for an interview

KU19. apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. read and write different types of documents/instructions/correspondence

GS2. communicate effectively using appropriate language in formal and informal settings



Qualification Pack

- GS3.** behave politely and appropriately with all
- GS4.** how to work in a virtual mode
- GS5.** perform calculations efficiently
- GS6.** solve problems effectively
- GS7.** pay attention to details
- GS8.** manage time efficiently
- GS9.** maintain hygiene and sanitization to avoid infection

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	1	1	-	-
PC1. identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals	-	-	-	-
<i>Constitutional values - Citizenship</i>	1	1	-	-
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	2	4	-	-
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Entrepreneurship</i>	2	3	-	-
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
<i>Customer Service</i>	1	2	-	-
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0102
NOS Name	Employability Skills (60 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	4
Credits	2
Version	1.0
Last Reviewed Date	29/03/2023
Next Review Date	29/03/2028
NSQC Clearance Date	29/03/2023

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council.
2. Element/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 Element/PC.
3. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
4. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
5. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
6. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
7. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.

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8. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Minimum Aggregate Passing % at QP Level : 50

(**Please note:** Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TEL/N6263. Operate drone and camera accessories	30	60	-	10	100	20
TEL/N6264. Perform post processing and editing of photographs and footages	30	60	-	10	100	25
TEL/N6265. Preventive maintenance and troubleshooting of drones and related accessories	30	60	-	10	100	25
TEL/N6266. Use drone photography in various sectors	30	60	-	10	100	20
DGT/VSQ/N0102. Employability Skills (60 Hours)	20	30	-	-	50	10
Total	140	270	-	40	450	100

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

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Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.