CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

> **NCVET Code**
>
> **2022/TEL/TSSC/05794**

Name and address of submitting body:

Telecom Sector Skill Council

Estel House, 3rd Floor, Plot No: - 126, Sector 44, Gurugram, Haryana 122003

Name and contact details of individual dealing with the submission

Name: Mr. Krishna Nand Jha

Position in the organisation: Assistant General Manager

Address if different from above: Same as above

Tel number(s): 0124-4148029

E-mail address: manager-projects@tsscindia.com

List of documents submitted in support of the Qualifications File

1. Model Curriculum

Model Curriculum to be added which will include the following:

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

SUMMARY

1	**Qualification Title:** Project Engineer – 5G Networks
2	**Qualification Code, if any:** TEL/Q6306
3	**NCO code and occupation:** Project Engineering
4	**Nature and purpose of the qualification (Please specify whether qualification is short term or long term):** **5G – Project Engineer** ensures that the 5G site is active and running right after successful installation and commissioning of mobile site. This is a short-term qualification.
5	**Body/bodies which will award the qualification:** Telecom Sector Skill Council
6	**Body which will accredit providers to offer courses leading to the qualification:** Telecom Sector Skill Council
7	**Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy):** Yes. SIP norms for accreditation and SSC norms for affiliation are available on SIP portal.
8	**Occupation(s) to which the qualification gives access:** Project Engineering
9	**Job description of the occupation:** A 5G – Project Engineer is responsible for ensuring that the 5G site is active and running right after successful installation and commissioning of mobile site include 5G antenna, MIMO of Next Generation Nodes (gNodeB).
10	**Licensing requirements:** NA
11	**Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided):** N/A
12	**Level of the qualification in the NSQF:** Level 5
13	**Anticipated volume of training/learning required to complete the qualification:** 600 Hours
14	**Indicative list of training tools required to deliver this qualification:** Product Manuals, architectural and other designs, active and passive equipment, cables, MCBs, testing tools, Laptop with software, white board marker, projector
15	**Entry requirements and/or recommendations and minimum age:** Post-Graduate in relevant field **OR** B.E./B.Tech (Electronics/Telecom /IT and other relevant fields) **OR** Graduate in relevant filed with 1 year of relevant experience **OR**

	Diploma after 12th (3 years in Electronics/Telecom /IT and other relevant fields) with 1 year of relevant experience **OR** Certified in NSQF-L4 5G Technician – Active Network Installation with 3 years of relevant experience 21 Years		
16	**Progression from the qualification (Please show Professional and academic progression):** System Architect – 5G Cloud RAN		
17	**Arrangements for the Recognition of Prior learning (RPL):** RPL will be based on the same approved Qualification Pack and Assessment Criteria mentioned in the Qualification Pack by Telecom Sector Skills Council		
18	**International comparability where known (research evidence to be provided):** No		
19	**Date of planned review of the qualification:** 31st March 2026		
20	**Formal structure of the qualification** **Mandatory components**		
(i)	**Title of component and identification code/NOSs/Learning outcomes**	**Estimated size (learning hours)**	**Level**
1	Role and Responsibilities of a 5G Project Engineer	08	5
2	Check Availability of Hardware Equipment at the Site Location	96	5
3	Perform installation and commissioning of 5G tower site	112	5
4	Perform Compliance and Quality Check	86	5
5	Carry out Acceptance Testing and Site Monitoring	98	5
6	Organize work and resources as per health and safety standards	40	5
7	Interact effectively with team members and customers	40	5

8	OJT	120	5
	Sub Total (A)	**600**	

SECTION 1
ASSESSMENT

21	**Body/Bodies which will carry out assessment:** Telecom Sector Skill Council. **Proposed Body/Bodies which will carry out assessment**: The assessment will be carried out via our affiliated assessment body.
22	**How will RPL assessment be managed and who will carry it out?** The RPL assessment will be carried out via our affiliated assessment body.
23	**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.** The emphasis is on practical demonstration of skills and knowledge based on the performance criteria. The assessment papers are developed by Subject Matter Experts (SME) available with the Assessment Agency as per the performance and assessment criteria mentioned in the Qualification Pack. The assessment papers are also checked for the various outcome-based parameters such as quality, time taken, precision, tools & equipment requirement etc. The assessment results are backed by evidences collected by assessors. 1. The assessor needs to collect a copy of the attendance for the training done under the scheme. The attendance sheets are signed and stamped by the In-charge / Head of the Training Centre. 2. The assessor needs to verify the authenticity of the candidates by checking the photo ID card issued by the institute as well as any one Photo ID card issued by the Central/Government. The same needs to be mentioned in the attendance sheet. In case of suspicion, the assessor should authenticate and cross verify trainee's credentials in the enrolment form. 3. The assessor needs to punch the trainee's roll number on all the test pieces. 4. The assessor can take a photograph of all the students along with the assessor standing in the middle and with the center name/banner at the back as evidence. 5. The assessor also needs to carry a photo ID card. The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a document with its assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest, independence from commercial and other interests that would compromise impartiality of the assessments.

Please attach most relevant and recent documents giving further information about assessment and/or RPL.

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

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 – i.e. Learning Outcomes to be assessed, assessment criteria and the means of assessment.

24. Assessment evidences

Title of Component:

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Project Engineer – 5G Networks

Qualification Pack TEL/Q6306

Sector Skill Council Telecom Sector Skill Council

Guidelines for Assessment

1. Criteria for assessment for each Qualifications Pack will be approved 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 approved by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/ option NOS/ Set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.
6. To pass the Qualifications Pack, every trainee should score a minimum of 70% of aggregate marks.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
TEL/N6319: Check Availability of Hardware Equipment at the Site Location				
Pre-requisites for 5G mobile/radio networking	11	19	-	5
PC1. analyse 3GPP standards, budget, architectural and other design documents as per client specifications	4	3	-	1
PC2. collaborate with other departments and technical teams to transform top-level architectures and designs into deployment deliverables at site	2	4	-	1

PC3. identify the basic parameters of Multiple Input, Multiple Output (MIMO) antenna (diversity gain, MIMO capacity, etc.) for implementation of 5G antenna	2	4	-	1
PC4. analyse the radiation pattern of MIMO antenna along with network slicing or Network Function Virtualization (NFV)	1	3	-	1
PC5. ensure that the software test is planned with automated scripts for testing after installation and backhaul network is mapped with the upcoming 5G site programs for testing are working and bug-free for testing after installation	2	5	-	1
Carry out 5G NR site hardware/equipment installation	**15**	**31**	-	**4**
PC6. ensure that all passive equipment such as antenna (single, dual, triple band, MIMO), feeder and jumper cable and all the other necessary equipment are available at site	2	6	-	1
PC7. ensure that all active equipment such as gNode, Microwave link device, etc. are available at site	1	3	-	1
PC8. ensure that different utilities, such as Command Centre, Alarm Manager, Historical AlarmReport, PM Reports, Alarm Correlation etc. are working and as per the required version	2	4	-	-
PC9. integrate orchestration among teams, Network Function Virtualization Infrastructure (NFVI), and virtualized/cloud native network functions to ensure smooth deployment at site	3	6	-	1
PC10. understand and analyse solution life cycle management activities to successful deployment such as evaluation and impact assessment of solution and its components, and/or revisions, if required	3	5	-	-
PC11. implement proof of concepts (PoC) and demonstrate these to customers to assure them of the delivery as per requirements	2	4	-	-
PC12. perform installation and commissioning of the equipment at the defined location at site	2	3	-	1
Prepare site and customer for 5G implementation	**4**	**10**	-	**1**

PC13. check the signal strength through various antenna parameters to ensure that it maps to the specifications as per the customer requirements	2	6	-	1
PC14. ensure that various adjustments/tilts have been made to the antenna to ensure proper zenith and azimuth angle	2	4	-	-
NOS Total	**30**	**60**	**-**	**10**
TEL/N6320: Perform installation and commissioning of 5G tower site				
Perform pre-installation activities	**15**	**18**	**-**	**4**
PC1. verify availability of all g-NodeB and transmission units required for installation and match with Bill of Material (BoM)	2	2	-	1
PC2. check availability of transmission racks required for the installation	2	3	-	-
PC3. interpret installation plan as received from the planning team and recommend modifications in the plan, if required	2	2	-	1
PC4. determine if any additional equipment, accessories are needed for installation	2	3	-	-
PC5. measure the current capacity of cables and equipment using Ammeter for total load consumption	2	2	-	1
PC6. identify appropriate MCBs are used at the rack for the installation as per power consumption of the equipment	2	2	-	-
PC7. verify that the MCB has –48 V DC and ground connectivity with the equipment	1	2	-	1
PC8. perform the steps for mounting the antenna on the tower (GBT, RTT, pole mount, etc)	2	2	-	-
Inspect routing of power, IF and RF Cables	**11**	**13**	**-**	**4**
PC9. ensure proper order and sequence of equipment in the rack	1	1	-	1
PC10. mount the antenna on the tower (GBT, RTT,Pole mount, etc.)	1	1	-	-

PC11. connect various cables from antenna to thetower shelter via feeder cable and convert to jumper cable/fiber cable	1	1	-	-
PC12. check interconnection of jumper/CPRI cables/RF cables/other cables at the site and ensure it is working properly	2	1	-	-
PC13. perform routing of power cable and traffic cable as per architecture and design	1	2	-	1
PC14. ensure that all cables are properly labelled with appropriate printed stickers/markers	1	1	-	-
PC15. ensure that the feeder and jumper cable are supported by the earthing wire	1	2	-	1
PC16. confirm that all the electrical wiring are completed and closed properly	2	2	-	-
PC17. carry out work to avoid damage to cables and connectors during connection and disconnection	1	2	-	1
Carry out installation and commissioning of gNodeB	**14**	**19**	**-**	**2**
PC18. perform installation of gNode inside/outsideof the tower as per the planning guidelines	1	1	-	1
PC19. install and interconnect g-Node and microwave equipment	2	2	-	-
PC20. ensure proper power connection	1	1	-	-
PC21. identify all equipment and other network elements that need to be provisioned and configured	1	1	-	-
PC22. install Non Stand Alone (NSA) mode of 5G equipment as per installation design	2	2	-	1
PC23. ensure network equipment is configured for the flow of traffic as per the specifications	1	2	-	-
PC24. measure Quality of Service (QoS) parameters for Operations, Administration and Maintenance (OAM) parameter	2	3	-	-
PC25. perform network rollout activities and software upgrades of network nodes after installation	1	2	-	-

PC26. perform onboarding and validation of enterprise Virtual Network Functions	1	2	-	-
PC27. integrate new rollout sites and expansion of existing sites to provide congestion free network	1	2	-	-
PC28. integrate scientific computation, data acquisition, and processing for successful site installation and commissioning as per the planning guidelines	1	1	-	-
NOS Total	**40**	**50**	**-**	**10**
TEL/N6321: Perform Compliance and Quality Check				
Perform installation and commissioning checks	**20**	**34**	**-**	**6**
PC1. Identify the commissioning requirements of the site as per network planning team of service provider	3	5	-	1
PC2. perform a test run of the g-Node, microwave equipment, Non Stand Alone mode of 5G and all the software after upgrades as per the guidelines	4	5	-	1
PC3. record test results in pre-defined report formats	2	5	-	-
PC4. identify the issues/bugs found during the test run of the equipment and suggest appropriate solutions	2	4	-	1
PC5. coordinate with the team to resolve the issues and again run the equipment to verify the changes	2	4	-	1
PC6. ensure that all the processes are carried out properly and site is up and running	4	6	-	1
PC7. report closure of the tasks/activities along with status report of the nodes	3	5	-	1
Prepare Compliance Report	**15**	**21**	**-**	**4**
PC8. identify the documents/reports/logs that are required to be updated/maintained	4	5	-	1
PC9. prepare a compliance report of the installed and commissioned equipment	4	6	-	1
PC10. ensure that the documents/reports are readily available to the concerned authority for inspection	3	5	-	1

PC11. receive a sign-off from authorized personnel on all reports before marking site installation and compliance closed/achieved	4	5	-	1
NOS Total	**35**	**55**	**-**	**10**
TEL/N6322: Carry out Acceptance Testing and Site Monitoring				
Prepare for acceptance testing (AT) and monitoring	**9**	**11**	**-**	**3**
PC1. design a test strategy with provided resources and tools/simulators for site testing	1	1	-	-
PC2. develop thorough and in-depth test cases for 5G SA and NSA features for testing 5G gNodeB functionalities based on 3GPP standards, architectural and other design documents from client	2	3	-	1
PC3. analyse procedures for testing and other teams to follow	1	1	-	-
PC4. analyse testscripts using available test tools, and devise innovative ways of re-creating practically possible scenarios	2	2	-	1
PC5. build testsetups as per the approved/finalized test strategy	1	2	-	-
PC6. obtain checklists to perform site AT from thesupervisor and other site documents and specifications from the projects team	2	2	-	1
Perform acceptance test of new site	**15**	**15**	**-**	**2**
PC7. execute test cases and validate the test status based on the expectations (typical expected results) for the test cases	1	2	-	-
PC8. check availability and functioning of test equipment required to perform AT	1	1	-	-
PC9. verify that correct software version of the equipment is installed in the system (laptop/desktop/tablet) and the software is ready to use	2	1	-	1
PC10. supervise completion of physical tests of the site as per the checklist such as physical upkeep, shelter status, weather proofing, equipment grouting, effective cabling, earthing and utilization of connectors	2	3	-	-

PC11. perform debugging of field data and identify potential problems and re-creating the same in the lab for future cases	1	2	-	-
PC12. ensure completion of logical tests (VSWR levels, alarm connectivity, equipment connectivity) as per the checklist	2	1	-	-
PC13. coordinate with the infrastructure engineer and the riggers to complete testing of passive infrastructure such as antenna tilt, diesel generator working, battery/SMPS condition	2	1	-	1
PC14. validate solution configurations and functionality	1	1	-	-
PC15. analyze test results to ensure existing functionality is optimum and recommend correctiveaction, in case of discrepancies	1	2	-	-
PC16. consult with development and infrastructureengineers in resolution of problems	1	1	-	-
Monitor site performance and traffic	**11**	**12**	**-**	**3**
PC17. carry out performance monitoring and analysis of mobile/radio network using authorized test instruments and equipment	1	2	-	1
PC18. perform network health checks such as Continuous CFCs monitoring, status of all Radio Nodes, functioning of each cards and applications,calls in each n every sector/carrier etc.	2	1	-	-
PC19. fix and resolve problems to stabilize and optimize customer networks, in case any discrepancies are observed	1	2	-	-
PC20. take backup prior to OMC stop, start and shutdown, re-sync OMCR Databases	1	1	-	1
PC21. perform routine check-ups and backups of site as per specifications (Daily, Weekly, Monthly backups)	1	1	-	-
PC22. update and backup system logs, test tool logs for later use in debugging issues and identifying accurate root causes for the problems seen on the system under test or in the network	2	2	-	-

PC23. identify and regularize performance trends to keep a constant check on network performance and successful monitoring of site's key statistics	1	2	-	1
PC24. ensure timely logical fault analysis and rectification	1	1	-	-
Communicate test results and record	**7**	**12**	**-**	**2**
PC25. inform all relevant stake holders (including NOC team, other supervisors and the projects) of the test results	1	2	-	-
PC26. communicate to the project team about the remaining punch points that need to be addressed before site handover	1	2	-	1
PC27. update all required documents as per organisational norms and formats	1	2	-	-
PC28. ensure updated documents are available to all appropriate authorities for further inspection	1	2	-	-
PC29. maintain documentation of test results to assist in debugging and modification of software for future	1	2	-	-
PC30. provide written and verbal feedback to other teams and supervisors/managers for technical appraisals of programming languages, systems, and computation software	1	1	-	1
PC31. analyze and find suitable solutions for issues reported by customers, through contact with them gather data and information about any specific problem that has been reported	1	1	-	-
NOS Total	**40**	**50**	**-**	**10**
TEL/N9103: Implement Effective Interaction at workplace				
Interact effectively with superiors	**2**	**9**	**-**	**1**
PC1. interpret work requirements from the superior and customers	1	2	-	-
PC2. report any unforeseen disruptions or delays to superiors and/or concerned person	1	2	-	1
PC3. achieve productivity and quality of work as per the company procedure	-	5	-	-

Interact effectively with colleagues and customers	**13**	**27**	-	**5**
PC4. explain the work requirements and the scope of work to the team	2	3	-	-
PC5. communicate information using different techniques such as face-to-face, telephonic and written means	2	4	-	1
PC6. coordinate with team to integrate work as per requirements	-	4	-	1
PC7. respect colleagues and customers and communicate taking care of their personal spaces	-	3	-	-
PC8. find solutions to work related difficulties with mutual agreement with colleagues and customers	3	3	-	-
PC9. resolve conflicts within the team at work to achieve smooth workflow	-	4	-	1
PC10. motivate team members to put organizational goals over individual goals	3	4	-	1
PC11. encourage the team to provide feedback on any issues facing them	3	2	-	1
Respect differences of gender and ability	**15**	**24**	-	**4**
PC12. ensure personal behaviour of self and team is conducted taking gender and disability of the person into consideration	2	4	-	-
PC13. demonstrate sensitivity towards gender and person with disability while communicating	2	3	-	1
PC14. list the different types of disabilities with their respective issues	2	3	-	1
PC15. provide help to PwD team members in overcoming any challenges faced in work	2	3	-	-
PC16. use inclusive language irrespective of the disability and the gender of the person	2	3	-	1

PC17. treat all colleagues and co-workers equally	2	3	-	-
PC18. respect personal space of colleagues and co-workers	3	5	-	1
NOS Total	**30**	**60**	**-**	**10**
TEL/N9104: Manage Work, Resources and Safety at workplace				
Manage learning and self-direction	**4**	**5**	**-**	**-**
PC1. develop technical and personal skills to be updated with new technologies prevalent in the industry	2	1	-	-
PC2. train the team such that they can adapt latest products/services in their working environment	1	2	-	-
PC3. identify opportunities for team building workshops and motivational trainings	1	2	-	-
Develop critical thinking and problem solving	**4**	**7**	**-**	**-**
PC4. guide the team to be accountable for timely completion of tasks	2	3	-	-
PC5. analyse problems accurately to be able to correctly suggest suitable solutions to the concerned persons	1	2	-	-
PC6. train the team to estimate the cause of the problem and validate	1	2	-	-
Perform work as per quality standards	**5**	**9**	**-**	**4**
PC7. implement ways to keep immediate as well as team's work area clean and tidy	1	2	-	-
PC8. maintain efficiency and productivity while performing role/responsibility	1	2	-	2
PC9. supervise the team to ensure that the work is done as per the assigned and agreed requirements	1	2	-	1
PC10. create schedules and rosters for the team to ensure they understand individual work requirements	2	3	-	1
Maintain safe and secure working environment	**12**	**13**	**-**	**2**
PC11. identify organization's health, safety, security policies and procedures	3	3	-	-

PC12. instruct team to report any identified breaches in health, safety, and security policies and procedures to the designated person	3	3	-	-
PC13. manage hazards such as illness, accidents, fires or any other natural calamity safely, as per organization's emergency procedures, within the limits of individual's authority	3	4	-	1
PC14. report any hazard outside the individual's authority to the relevant person in line with organizational procedures and warn others who may be affected	3	3	-	1
Material / energy / electricity conservation practices	**15**	**16**	**-**	**4**
PC15. implement ways to optimize usage of material including water in various tasks/activities/processes	1	2	-	1
PC16. supervise the team to ensure responsible use of resources	2	2	-	1
PC17. motivate the team to carry out routine cleaning of tools, machine and equipment	2	2	-	1
PC18. guide the team to optimize use of electricity/energy in various tasks/activities/processes	3	4	-	-
PC19. implement periodic checks of the functioning of the equipment/machine and rectify wherever required	2	2	-	1
PC20. guide the team to report malfunctioning and lapses in maintenance of equipment	3	2	-	-
PC21. implement ways to use electrical equipment and appliances properly	2	2	-	-
NOS Total	**40**	**50**	**-**	**10**

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
Provided in the above section	

Means of assessment 1

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 these criteria.

Means of assessment 2
Add boxes as required.

Pass/Fail

1. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS.
2. 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.

SECTION 2
25. EVIDENCE OF LEVEL

Title/Name of qualification/component: Project Engineer – 5G Networks **Level: 5**			
NSQF Domain	**Outcomes of the Qualification/Component**	**How the outcomes relates to the NSQF level descriptors**	**NSQF Level**
Process	**Demands a wide range of specialised technical skill, clarity of knowledge and practice in broad range of activity involving standard and non-standard practices.** • Installation and commissioning of 5G site • Ensure site is active and running • Perform site acceptance test	The individual will be required to install and commission the 5G site and make sure its active and running right after. He/She has to perform different site acceptance test such as site audit, VSWR testing, etc. The process involves installing and commissioning but the decision-making rests with manager. Hence, this is level 5.	5
Professional knowledge	**Factual and theoretical knowledge in broad contexts within a field of work or study.** • Technical specifications of equipment and processes • Knowledge about technology involved in various passive and active hardware equipment and software • Maintenance standards/guidelines	The individual should have good understanding of technical specifications and functionalities of equipment and software, knowledge about managing concern/issues and standards/guidelines. Hence, this is level 5.	5

Title/Name of qualification/component: Project Engineer – 5G Networks **Level: 5**			
NSQF Domain	**Outcomes of the Qualification/Component**	**How the outcomes relates to the NSQF level descriptors**	**NSQF Level**
Professional skill	**A range of cognitive and practical skills required to generate solutions to specific problems in a field of work or study.** • Maintain quality and work standards at site • Perform periodic audits and report results to serve the excellent experience by ensuring quality and timely services	The individual is required to have a range of team handling skills, to be competitive in this job role, such as, co-operate, manage excellent work standards at site. Comply with standards related to the installation. Hence, this is level 5.	5
Core skill	• Reading installation guidelines and standards followed by the company at sites. • Understand client requirements • Monitoring performance parameters on daily basis	The individual is required to follow the organisational guidelines for installation and commissioning the 5G site, understand client's requirements and concerns while showing professionalism and courtesy Hence, this is level 5.	5
Responsibility	Responsibility of completing the work assigned and reporting the same as per standards. • Understand the job role and follow the organisational policy • Record and report about the work status • Follow safety regulations at workplace • Work along with colleagues and supervisors	The individual is responsible for installing and commissioning the 5G site and make sure its active and running right after. Hence level 5.	5

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?** 1. Feedback from industry was collected with respect to roles for which qualification pack development was to be prioritized. 2. Skills Gap analysis reports for industry demand Training duration w.r.t current and potential capacity envisaged for potential supply
27	**Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidence** We have received line ministry approval.
28	**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** The list of Approved and Under-Development QPs was checked on NQR website prior to commencement the work.
29	**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** • Agencies have been appointed by the SSC to interact with training providers to gather feedback in implementation • Monitoring of results of assessments • Employer feedback will be sought post-placement • A formal review is scheduled by 2025

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.

SECTION 4
EVIDENCE OF PROGRESSION

30	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? 1. Endorsed and accepted by the Industry players 2. Formal recognition from the Industry players 3. Horizontal and vertical mobility options are available