

Revision made by NSDA\_25 May 2015

## **QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY**

### **Name and address of submitting body:**

Telecom Sector Skill Council  
2<sup>nd</sup> Floor, Plot NO: - 105, Sector – 44  
Gurgaon – 122003 Ph.: 0124-4148029

### **Name and contact details of individual dealing with the submission**

**Name:** Shiv Kumar Pandey  
**Position in the organisation** Manager  
**Tel number(s):** Ph.: 0124-4148029  
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### **List of documents submitted in support of the Qualifications File**

1. [Qualification Pack](#)
2. [Assessment Criteria – Annexure in Qualification Pack](#)
3. [Occupational Mapping](#)
4. Skill Gap Report – [KPMG](#) & [JUXT](#)
5. [Industry Engagement Certificate](#)
6. [Affiliation Protocol – Assessment Agency & Assessor](#)
7. [Assessment Framework](#)

## QUALIFICATION FILE SUMMARY

<b>Qualification Title</b>	TEL/Q6207		
<b>Body/bodies which will assess candidates</b>	Telecom Sector Skill Council		
<b>Body/bodies which will award the certificate for the qualification.</b>	Telecom Sector Skill Council		
<b>Body which will accredit providers to offer the qualification.</b>	Telecom Sector Skill Council		
<b>Occupation(s) to which the qualification gives access</b>	Grass Root Telecom Provider (GRTP)		
<b>Proposed level of the qualification in the NSQF.</b>	4		
<b>Anticipated volume of training/learning required to complete the qualification.</b>	Duration (120 Hr.)		
<b>Entry requirements / recommendations.</b>	Preferably 10+2		
<b>Progression from the qualification.</b>	Will give access to GRTP technician.		
<b>Planned arrangements for RPL.</b>	Anybody with 6 months experience wrt. the job role		
<b>International comparability where known.</b>	NA		
<b>Formal structure of the qualification</b>			
<b>Title of unit or other component</b> (include any identification code used)	<b>Mandatory/Optional</b>	<b>Estimated size (learning hours)</b>	<b>Level</b>
TEL/N6226 (Site security and hygiene)	M	200 Hours	4
TEL/N6227 (Preventive maintenance)	M		
TEL/N6228 (Promote use of devices and provide services)	M		

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum or Qualification Pack.

Give details of the document here: Qualification Pack Attached

## **SECTION 1**

### **ASSESSMENT**

**Name of assessment body:**

If there will be more than one assessment body for this qualification, give details.

1. **Aspiring Minds**
2. **Mettl**
3. **Multi Skills Assessment Guild (MSAG)**
4. **Independent Qualitative Assessors Guild (IQAG)**
5. **Cocubes Technologies Pvt. Ltd**

**Will the assessment body be responsible for RPL assessment?**

Give details of how RPL assessment for the qualification will be carried out and quality assured.

Yes, assessing body is responsible for RPL assessment.

Mode of Assessment : Online

1. Theory: MCQ questions mapped with performance criteria of each NOS in a QP.
2. Viva : Scenario Based questions mapped with performance criteria of each NOS in a QP.
3. Practical: Practical test conducted wrt. Job role

**Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:**

The Assessment Agency is affiliated through stringent measures and undergo QA process. The Assessors are certified before conducting any assessments. The Question Bank before being made online are scrutinized and validated for linkage with Performance Criteria and randomization during the assessment.

Mode of Assessment : Online

1. Theory: MCQ questions mapped with performance criteria of each NOS in a QP.
2. Viva : Scenario Based questions mapped with performance criteria of each NOS in a QP.
3. Practical: Practical test conducted wrt. Job role.

Please attach any documents giving further information about assessment and/or RPL.

Give details of the document(s) here:

### **ASSESSMENT EVIDENCE**

**Complete the following grid for each grouping of NOS, assessment unit or other component as per the assessment criteria. Insert the required number of rows.**

Criteria for Assessment of Trainee					
<b>Job Role</b>	Grass Root Telecom Provider (GRTP)				
<b>Qualification Pack</b>	TEL/Q6202				
<b>Sector Skill Council</b>	: Telecom				
<p>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.</p> <p>2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.</p> <p>3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)</p> <p>4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria.</p> <p>5. To pass the Qualification Pack, every trainee should score a minimum of 40% in every NOS and 50% overall.</p> <p>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</p>					
Assessable Outcomes	Assessment Criteria	Total Mark (300)	Out of 100	Theory	Skills Practical
TEL/N6226 Site Security and hygiene	PC1. function as custodian by taking responsibility of the ONT site	100	10	10	0
	PC2. monitor to verify CCU,SPV,TJB and battery bank are working properly		15	3	12
	PC3. maintain hygiene of CCU,SPV,TJB and Battery Bank based on guidelines		15	3	12
	PC4. verify cable connectors for appropriate tightness		10	2	8
	PC5. verify cables for damage and replace if required		10	2	8
	PC6. use fire extinguisher to control fire in case of accident		10	2	8
	PC7. ensure ONT remain operational and powered on 24X7 basis		20	5	15
	PC8. fill in activity records in given format		10	5	5
		<b>Total</b>	<b>100</b>	<b>32</b>	<b>68</b>
TEL/N6227 Preventive Maintenance	PC1. read to interpret preventive maintenance guidelines of CCU,SPV,TJB and battery bank	100	20	10	10
	PC2. ensure preventive maintenance of CCU,SPV,TJB and battery bank as per given schedule		30	10	20
	PC3. monitor CCU panel to observe and interpret alarm		10	2	8
	PC4. monitor and verify premature ageing of battery bank cells and SPV panels	10	2	8	
	PC5. monitor patch cord and pigtails and replace if found damaged	10	2	8	
	PC6. escalate to OLT/NOS supervisor for reporting problems with equipments and optical fiber cables	20	10	10	
		<b>Total</b>	<b>100</b>	<b>36</b>	<b>64</b>
TEL/N6228 Promote use of devices and provide services	PC1. create awareness by informing local population features of local devices (smart phone tablets and e-terminals)	100	15	5	10
	PC2. acquaint local population about use of local devices		20	5	15
	PC3. operate and configure smart phone, tablets and e-terminals		20	5	15
	PC4. install to operate modem using routers,UPS,cables		15	5	10
	PC 5. perform basic trouble shooting with devices		15	5	10
	PC 6. distribute bills and collect revenue from users		5	2	3
	PC 7. keep a record of rent agreement and electricity bill for ONT site		5	4	1
	PC8. report superior for timely payment of rent and electricity bill for the site		5	3	2
		<b>Total</b>	<b>100</b>	<b>34</b>	<b>66</b>

## **SECTION 2**

### **EVIDENCE OF NEED**

**What evidence is there that the qualification is needed?**

As per Industry requirement and recommendations, we TSSC have followed in order to prepare the qualification pack and got vetted by NSDC during the QRC. (Attached –Industry Engagement Certificate).

**What is the estimated uptake of this qualification and what is the basis of this estimate?**

Skills Gap analysis Reports for industry demand and secondary research data, though these do not lend to accurate demand projection. Feedback from industry for demand though again sample size may not lend to accurate figures and depends on Industry quarterly requirements. (Attached Skill Gap Study Report)

**What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?**

- NSDC list of Approved and Under-Development QPs was checked prior to commissioning the work
- NSDC QRC team also confirmed the same

**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?**

- Agencies have been appointed by the SSC to interact with training providers to gather feedback in implementation.
- Monitoring of results of assessments

A formal review is scheduled in two year time

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here:

## **SECTION 3**

### **SUMMARY EVIDENCE OF LEVEL**

Summary of Direct Evidence: NSQF Level 4

Justify the NSQF level allocated to the QP by building upon the five descriptors of NSQF. Explain the reasons for allocating the level to the QP.

**Level 4: Capable of working independently in his designated area. He must also learn new aspects of the job while executing the work assigned.**

Generic NOS is/are linked to the overall authority attached to the job role.

Grass Root Telecom Provider - TEL/Q6202					
Process required	Professional Knowledge	Professional Skills	Core Skills	Responsibility	Level
<p>The candidate is expected to perform tasks on a number of equipment's such as CCU panels, SPV, battery banks etc., which rely on his/her knowledge of familiar processes. There are a series of routines tasks as evidenced through activities such as filling up of record sheets and bills. The assessment criteria also illustrates the machines to be used by the candidate, thereby indicating situation where clear choice maybe be exercised.</p>	<p>The candidate is expected to monitor equipment's and maintain hygiene based as per guidelines, as evidenced in the assessment criteria. This demonstrates factual knowledge of the field.</p>	<p>Based on the knowledge on field the candidate is expected to operate equipment's (routers, UPS) which demonstrate his/her practical skills. The qualification also requires the candidate to operate and maintain clearly listed equipment's- which will require the candidate to perform repetitive tasks using appropriate tools and equipment's. Monitoring and verification of equipment (such as cable connectors, CCU panels, etc.) will rely on quality concepts thereby only illustrating the point further.</p>	<p>The candidate is expected to constantly interact with local population, which would require him/her to communicate with clarity. Creating awareness and acquainting people about devices would require the candidate to have a basic understanding of social environment. Distribution of bills and collection of revenues entails the use of basic arithmetic skills.</p>	<p>The candidate is largely responsible for his/her own work as evidenced in the columns for professional knowledge/skills. Additionally, the candidate is expected to respond to situations (such as use of fire extinguisher) which may demonstrate his/her ability for learning on the job.</p>	4

Level :- 4	Level :- 4	Level :- 4	Level :- 3	Level :- 4	
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After going to each and every NOS's of the QP the candidate will be capable of handling the daily activity as per company norms, he will have the knowledge ,skill to perform and execute the various activities timely. Undertake and resolve the issue within his designated area.

**OTHER EVIDENCE OF LEVEL** [This need only be filled in where evidence other than primary outcomes was used to allocate a level] **(Optional)**

Summary of other evidence (if used): NA

## **SECTION 4**

### **EVIDENCE OF RECOGNITION OR PROGRESSION**

**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?**

Horizontal and vertical mobility options have been articulated. A Grass Root Telecom Provider has a vertical movement to GRTP Technician & then to the supervisory level.

Please attach any documents giving further information about any of the topics above.

Give details of the document(s) here: