

NCVET Code:

2021/PWD/SCPWD/04156

NSQF QUALIFICATION FILE

Approved in 6th NSQC-NCVET meeting, dated: 25th February, 2021

Automotive Service Technician Level 4-PwD LD

QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Skill Council for Persons with Disability
501, City Centre, Plot No 5, Sector -12
Dwarka, New Delhi-110076
011 2808 5058-59
info@scpwd.in

Name and contact details of individual dealing with the submission

Name: Mr. Ravindra Singh
Position in the organization: Chief Executive Officer
Address if different from above: same as above
Tel number(s): + 91-011-2808558-59
Email address: ravindra.singh@scpwd.in

List of documents submitted in support of the Qualification File

1. Qualification Pack for Automotive Service Technician Level 4 and Model curriculum aligned for Persons with **Locomotor Disability.**
2. QRC approval (Joint observation sheet) on Automotive Service Technician Level 4 for Persons with **Locomotor Disability.**
3. Guidelines for Persons with **Locomotor Disability** for Assessors.
4. List of Assistive Tools and Trainer Pre-requisites for Persons with **Locomotor Disability.**

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QUALIFICATION FILE SUMMARY FOR THE PwD

Qualification Title	Automotive Service Technician Level 4-PwD LD
Qualification code, if any	PWD/ ASC/Q1402, v1.0
Body/ Bodies which will assess candidates	SCPwD affiliated Assessment Agency (AA)
Body/ bodies which will award the certificate for the qualification	Skill Council for Persons with Disability
Body which will accredit providers to offer the qualification	Skill Council for Persons with Disability
Notional Learning Hours	430
Disability	Locomotor Disability (LD)
Entry Requirement	Class X Pass

Formal Structure of the Qualification

Locomotor Disability				
Title of the unit or other component (Include any identification code used)	Mandatory/ Optional	Estimated size (learning hours)		Level
		Theory	Practical	
Introduction (Bridge Module)	Mandatory	5	0	4
Assist in performing diagnosis of vehicle for repair requirements (ASC/ N1402)	Mandatory	45	75	4
Carry out routine service and minor repairs of mechanical and electrical aggregates (ASC/ N1403)	Mandatory	85	115	4
Plan and organize work to meet expected outcomes (ASC/N0001)	Mandatory	15	20	4
Work effectively in a team (ASC/N0002)	Mandatory	15	20	4
Maintain a Healthy, Safe and Secure working environment (ASC/N0003)	Mandatory	15	20	4
Total		180	250	

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ASSESSMENT

Name of Assessment Agency (AA):

If there will be more than one Assessment Agency (AA) for this qualification, give details.

- Eduvantage Pvt Ltd
- Induslynk Training Services Pvt. Ltd. (Mercer - Mettl)
- SP Institute of Workforce Development Pvt Ltd
- Trendsetters Skill Assessors Pvt. Ltd.
- Aon Consulting Private Limited

The list of Assessment Agencies is not limited to above and can extend basis their empanelment with SCPwD and having certified Assessor for the Job role from Domain SSC as well as SCPwD.

ASSESSMENT PROCESS

NOTE: SCPwD adopts the Criteria of the Domain SSC and Assessment is conducted by the AA's which are approved by the Domain SSC as well as empaneled with SCPwD. SCPwD develops Assessment guidelines for Persons with Blindness, Low vision, Speech and Hearing Impairment and **Locomotor Disability** to assist the assessors during assessment of the candidate. SCPwD conducts Training of Assessors (ToA) and provide them Disability Orientation and Sensitization.

Process followed by SCPwD for assessments:

Being a Horizontal Council, the prerequisites to the assessment process shared by the Domain SSC is followed mandatorily by the Assessment Agencies. Additionally, they must also follow the guidelines of SCPwD. Below is the assessment process in brief:

Pre-Assessment Phase-

1. Batch allocated to the Assessment Agency by SCPwD through Portal/ Email.
2. Assessment Agency to connect with Training Provider and communicate/confirm the date of assessment through email.
3. Assessment Agency to share requisite lab infrastructure & checklist with TP and discuss about the availability through email.
4. Assessment Agency aligns the Assessor for the assessment (Assessor should be Dual Certified by the Domain SSC as well as SCPwD, and the certification should be valid).
5. Prepare the Assessment link, formats and share with the Assessor over an email.
6. Share the Assessment demo link with the Training Partner over an email.

Assessment Phase-

1. The Assessor verifies the identity and disability through Aadhar Card and Disability Certificate and reports to SCPwD in-case of any discrepancy [*In case of J&K and NE Voter ID & Pan Card also allowed for Candidates Identification*].
2. The candidates are briefed on the assessment process (Prior to starting of the assessment).
3. The Assessor verifies the lab equipment's and reports to SCPwD in-case of any variance.

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4. Post validation of photo Id proof for each candidate, attendance of candidate is captured according to the scheme's requirement. i.e., under PMKVY, attendance of the candidates is captured through Aadhar Enabled Assessor Application, however, under other schemes candidates sign the attendance sheet.
5. The candidates attempt the assessment on TAB/Computer System.
6. The Assessor takes the photos and videos of respective activities and complete the documentation formalities.

Post Assessment Phase-

1. The Assessment Agency prepares the result based on responses captured in server.
2. The Assessment Agency shares the result with SCPwD in the prescribed format.

SECTION 2

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

The Job role has been shortlisted and mapped for Persons with **Locomotor Disability**, based on demand by the Industry, Training Partners, Experts and views from the reverent Persons with Locomotor Disability themselves.

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

The automobile is one of the most successful manufactured products of the past century. It is perceived as a fast, comfortable, flexible and affordable mode of transport and has become a status symbol or means to reflect identity. Automobiles are and will continue to be critical for the functioning of various industries, sectors, societies and economies worldwide

India became the fourth largest auto market in 2019 displacing Germany with about 3.99 million units sold in the passenger and commercial vehicles categories. India is expected to displace Japan as the third largest auto market by 2021. The two wheelers segment dominates the market in terms of volume owing to a growing middle class and a young population. Moreover, the growing interest of the companies in exploring the rural markets further aided the growth of the sector. India is also a prominent auto exporter and has strong export growth expectations for the near future. In addition, several initiatives by the Government of India and major automobile players in the Indian market is expected to make India a leader in the two-wheeler and four-wheeler market in the world.

In order to keep up with the growing demand, several auto makers have started investing heavily in various segments of the industry during the last few months.

There has been an enormous increase in the market size of the domestic automobiles production. Overall, automobile export reached 4.77 million vehicles in FY20, growing at a CAGR of 6.94% during FY16-FY20. Keeping in view the current needs of the auto industry, development of commercial electric vehicles, building of charging infrastructure across the Country, building the electric vehicle (EV) components market, and other factors such as availability of skilled labour at low cost, robust R&D centers, and low-cost steel production, the industry provides great opportunities for investment and direct and indirect employment to skilled and unskilled labour. In view of this, there is a strong need to skill youth with disability

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on the Job roles which are being created based on the demand of the sector by the Domain SSC as well as developing new job roles based on the need of the industry.

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

Non duplication has been ensured by the Domain SSC.

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?

The Qualification Pack for Automotive Service Technician Level 4 was adopted based on the industry demand for Persons with Disability. SCPwD develops disability specific Expository which contains expounded information on tools/technology /assistive devise for specific disability. The QP is revised at frequent intervals by Domain SSC, to capture updates in the sector. Similarly, Expository is also reviewed and revised to capture updates on any further development /innovations in the specific disability for facilitating the trainers as well as the assessors in addition to the learners. It may be noted that as and when the Domain SSC revises the QP corresponding adoption and updating is done by SCPwD in the related Job Role.

SCPWD / IS MCs + Expositories



Date: November 30, 2018.

QRC Members Joint Declaration/Recommendations Sheet

QRC Members: Praveen Roy, J V Rao, Manik Sabharwal

SSC Representatives

Anup K Srivastava
Nishu

Recommendations	old	now
Assessments on QPs that are being reviewed / revised / or nationalized will need to be discussed		
Discussion on the IT-systemic changes as ^{is} required if / as SCPWD candidates are not trained or assessed on specific NOS especially for the issuance of transcripts.		
Resolutions as Accepted by SSC		
Submission Date		
Approved		

Signature of QRC Members and Presenting SSC's CEO

Annexure 1: QRC approval (Joint observation sheet)

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**Annexure 2: Guidelines for the assessment of Persons with
Locomotor Disability**

Common guidelines for assessment of Trainees from all the categories of Disability

- Validate the type of Disability of the candidate along with the original Disability Certificate (Please note: In PMKVY, the batch should not have the candidates with Multiple Disabilities and the Disability type should be same as provided in SDMS).
- Do ask questions openly. Do not assume anything. For example, ask your trainees with disability if they need any change in the kind of assessment setup provided.
- Be prepared to make your assessments person-specific including the practical part too without compromising on the criteria set up by the Domain SSC.
- Provide the candidate with the desired assistive devices which may vary from candidate to candidate.
- Do understand that every trainee with disability has a journey: he/she are likely to have identified solutions that best work for him/her. Do not expect your trainees with disability to go through the same processes with the same rigour as your trainees without disability.
- Remember that your trainees with disability are going to work with persons without disability. Pitying, belittling or lowering the standards would defeat the purpose.
- An extension of 20 minutes per hour is recommended. This can be further increased as per circumstances/ requirement of the candidate (for details please refer to the Examination Guideline developed by MSJE).
- Services of scribe/ writer/ reader/ lab assistant should be allowed to any person who has Disability of 40% or more if so desired by the person.
- General comfort of the candidate should be kept in view inside the assessment room.
- Follow the health/ safety guidelines if any issued by the authorities.

Specific Guidelines

- Do not hang onto or lean on a wheelchair. It is often considered to be part of the person's "body space."
- There may be a requirement of re-arrangement of equipment based on nature of Disability for ease of access like placing tools on left-hand-side or right-hand-side.
- May require process changes based on the nature of the assessment – for example, use of feet by an individual for different tasks having restricted mobility in upper limbs.
- There may be a requirement of modified/one-handed keyboard or mouse, computer configured with Sticky Keys for ease of using keyboard shortcuts, computer compatibility with speech recognition software or camera-mouse.
- Allow a scribe when requested by the candidate.
- In assessments, some trainees may prefer using a laptop over a desktop due to movement constraints.
- Many persons with spinal cord injury are unable to sit for extended periods of time. This should be taken into account, and extra time should be allocated to the person for completion of the assessment.

Annexure 3: Assistive Tools, Trainer Pre-requisites

List of tools/equipment to conduct the training

Any of the following tools may be used during the training of Persons with Locomotor Disability

- Computer
- Sticky Keys
- Foot Pedals
- Access Switches
- Wheel Chair
- Walker
- One-Handed Keyboard
- Pencil Gripper
- Automatic Page Turner
- Grab Bars
- Speech to Text software

Trainer Qualification

Minimum Educational Qualifications: ITI/ Diploma /Engineer (mechanical engineering) from a recognized institute

Experience: Minimum 3 years of experience in Automotive Service Industry for ITI or Minimum 2 years of experience in Automotive Service Industry for Diploma/ Engineer (mechanical engineering) or Working experience on latest tools and equipment's used for vehicle servicing.

In addition to Domain SSC (as above) Disability specific additional requirement for the trainer are:

Disability Specific Top Up Module- The Inclusive Trainer should be certified by SCPwD with minimum qualifying score of 80% as per SCPwD guidelines in Disability Specific Top Up Training / QP of Trainer-PwD.

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