



National Skills Qualification Framework

NSQF / BNQF

**Course Accreditation Documents
for
National Skills Certificate in
Welding
(LE Sector)
NSQF/BNQF Level-3
May 2021**

**National Skills Development Authority
Prime Minister's Office, Bangladesh**

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Course Accreditation Document

This Course Accreditation Document is prepared to standardize the format for the accreditation/re-accreditation of courses under the National Quality Assurance Framework (NQAF) and for the registration of the accredited/re-accredited qualifications under the National Skills Qualifications Framework (NSQF/BNQF).

The two parts of this document as follows:

- Part A provides information on the Qualification Standards.
- Part B includes details of the pro-forma/templates for accreditation/re-accreditation. It guides the Skills Training Provider (STP) to accomplish the required documents for registration of the qualification.

Part A

Qualification Standards: National Skills Certificate in Welding, NSQF/BNQF

Level-3

| SL | Unit Code and Title | | UoC Level | Nominal Hours |
|-----------------------------------------|---------------------|------------------------------------------------------------------------|-----------|---------------|
| Generic Competencies | | | | 30 |
| 1. | GU004L2V1 | Work in a self-directed team | 3 | 15 |
| 2. | GU005L2V1 | Carry out workplace interaction in English | 3 | 15 |
| Occupation Specific Competencies | | | | 240 |
| 3. | OUWEL001L3V1 | Perform Shielded Metal Arc Welding on Pipe using (SMAW) – 1G Positions | 3 | 10 |
| 4. | OUWEL002L3V1 | Perform Shielded Metal Arc Welding on Pipe using (SMAW) – 2G Positions | 3 | 20 |
| 5. | OUWEL003L3V1 | Perform Shielded Metal Arc Welding on Pipe using (SMAW) – 5G Positions | 3 | 40 |
| 6. | OUWEL004L3V1 | Perform SMAW – 6G Positions | 3 | 75 |
| 7. | OUWEL005L3V1 | Perform SMAW – 6GR Positions | 3 | 40 |
| 8. | OUWEL006L3V1 | Perform GMAW on pipe -1G and 5G positions | 3 | 55 |
| Total Nominal Learning Hours | | | | 270 |

I. Introduction

The Qualification Standards (QS) is a nationally-recognised specification to achieve a qualification. It details the level of training, experience and practice required to achieve the standard of competency. It provides the basis for the development of strategies for competency-based training and assessment by a Skills Training Provider (STP)

The Qualification Standards aims to:

- a. Provide guidelines to National Skills Development Authority (NSDA) to accredited Skills Training Provider (STP),
- b. Serve as standard for the training providers to delivery competency-based training,
- c. Arrange basis of assessment and certification for skilled workers.

II. Contents of the Standard

Section 1: Qualification Title

Section 2: Course Structure

Section 3: Purpose of the Qualification

Section 4: Training Standards

4.1 Training Delivery modes

4.2 Trainee's entry requirements

4.3 Required training supplies, materials, tools and equipment

4.4 Training Facilities

4.5 Trainer's Qualification

Section 5: Assessment and Certification Standards

5.1 Assessor's Qualification

5.2 Assessment and Certification Arrangements

Section 1: Qualification Title

National Skills Certificate in **Welding, NSQF/BNQF Level-3**

Section 2: Course Structure

The Course Structure is a prescribe set of units of competency needed to attain a National Skills Certificate in **Welding, NSQF/BNQF Level-3**

Section 3: Purpose of the Qualification

The qualification is established upon industry requirements. It is designed for:

- a. Individuals who want to be trained in National Skills Certificate in **Welding**, NSQF/BNQF Level-3
- b. Working and experienced individuals who want to be certified with National Skills Certificate in **Welding**, NSQF/BNQF Level-3.

Candidates who will meet the requirements of this qualification maybe employed as Skilled Welder.

Section 4: Training standards

4.1 Training Delivery modes

The competency-based TVET system recognizes various types of delivery modes both on and off-the-job as the learning is driven by the competency standards specified by the industry. Training modalities may be adopted depending on the needs of the qualification National Skills Certificate in **Welding, NSQF/BNQF Level-3**. Some suggested modalities may include but not limited to the following:

4.1.1 Standard training delivery.

This would comprise both, on and off-the-job components. **Welding, NSQF/BNQF Level-3**, has a total of 360 minimum hours for the off-the-job and 100 hours on-the-job (optional) component of the delivery. The nominal hour is a suggested duration to deliver the training.

4.1.2 Modular / Self-paced Learning / Multiple Entry and Multiple Exit

This is a competency-based training modality where the trainee is allowed to progress at his own pace. The trainee can be certified and exit from the program at any time and re-enter to the qualification once he decided to finish the program.

4.2 Trainees entry requirements:

The entry requirements for the National Skills Certificate in **Welding, NSQF/BNQF Level-3** is:

- Class eight or equivalent certificate with **NSQF/BNQF Level-1/level-2 certificate**, or
- 2-years occupation relevant work experience and pass in a challenge test on NSDA's approved assessment.

4.3 Required training supplies, materials, tools and equipment

Recommended List of tools, equipment and materials for the training of a maximum of 20 trainees for **Welding**, NSQF/BNQF Level-3

List of Machinery and Equipment

| SL | Name | Specification (For guidance only, some may vary depending on the workshop layout) | Unit | Quantity |
|-----------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|-----------------|
| 1. | Personal Computers/Laptops | Standard configuration compatible for work activities | Nos | 02 |
| 2. | Multimedia projector with screen | Min 3200 lumen | Nos | 01 |
| 3. | Digital camera | Min 16 Mega Pixel | Nos | 01 |
| 4. | Scanner | Legal size | Nos | 01 |
| 5. | Printer | Laser | Nos | 01 |
| 6. | Electrode oven | Standard configuration compatible for work activities | Nos | 05 |
| 7. | AC welding machine | Standard configuration | Nos | 05 |
| 8. | DC welding machine | Standard configuration | Nos | 05 |
| 9. | Gas metal arc welding (GMAW) machine with standard accessories | Standard configuration | Nos | 03 |
| 10. | Table vice | Standard configuration | Nos | 05 |
| 11. | Air compressor | Standard configuration | Nos | 01 |
| 12. | Air dryer | Standard configuration | Nos | 01 |

List of Tools

| SL | Name | Specification (for guidance only, some may vary depending on the workstation layout) | Unit | Quantity |
|-----------|---------------------|------------------------------------------------------------------------------------------------|-------------|-----------------|
| 1. | Adjustable wrench | 12 inches | Nos | 05 |
| 2. | C-clamp | 6 inches | Nos | 10 |
| 3. | Cold Chisels | 6 inches | Nos | 10 |
| 4. | Round file | 12 inches | Nos | 05 |
| 5. | Flat file | 12 inches | Nos | 10 |
| 6. | Triangular file | 12 inches | Nos | 05 |
| 7. | Half round files | 12 inches | Nos | 05 |
| 8. | Square file | 12 inches | Nos | 05 |
| 9. | Knife file | 12 inches | Nos | 05 |
| 10. | Hacksaw | Adjustable | Nos | 10 |
| 11. | Ball pein Hammers | 0.5 kg | Nos | 10 |
| 12. | Sledge hammers | 5 kg | Nos | 02 |
| 13. | Tongs | Standard size | Nos | 20 |
| 14. | Chipping hammer | Standard size | Nos | 20 |
| 15. | Steel wire brush | Standard size | Nos | 20 |
| 16. | Side cutting pliers | 6 inches | Nos | 05 |
| 17. | Combination pliers | 6 inches | Nos | 05 |
| 18. | Nose pliers | 6 inches | Nos | 05 |
| 19. | Neon tester | 6 inches | Nos | 05 |
| 20. | Parallel bar | Standard size | Nos | 05 |
| 21. | Snips | Standard size | Nos | 05 |

| | | | | |
|-----|--------------------------------------|---------------------------|-----|----|
| 22. | Hand shares | Standard size | Nos | 01 |
| 23. | Anvil/Rail | Standard size | Nos | 05 |
| 24. | Steaks | Standard size | Set | 01 |
| 25. | Center punches | Standard size | Nos | 05 |
| 26. | Prick punches | Standard size | Nos | 05 |
| 27. | Number punches | Standard size | Set | 01 |
| 28. | Letter punches | Standard size | Set | 01 |
| 29. | Scarpers | Standard size | Nos | 10 |
| 30. | Screwdrivers | Standard size | Nos | 10 |
| 31. | Wrenches | Standard size | Nos | 10 |
| 32. | Grip vice | Standard size | Nos | 10 |
| 33. | Jigs and fixtures | Standard size | Nos | 02 |
| 34. | Steel wire brush | Standard size | Nos | 10 |
| 35. | Tip cleaner | Standard size | Nos | 10 |
| 36. | Cup brush | Standard size | Nos | 20 |
| 37. | Wire spacer | Standard size | Nos | 10 |
| | Power tools | | | |
| 38. | Electric hand drill machine | Standard size | Nos | 03 |
| 39. | Power saw | Standard size | No | 01 |
| 40. | Angle Grinder/hand grinder | Standard size | Nos | 10 |
| 41. | Circular cutting machine/disc cutter | Standard size | No | 01 |
| 42. | Pedestal drill machine | Standard size | No | 01 |
| 43. | Pedestal grinding machine | Standard size, Heavy duty | No | 01 |
| 44. | Pneumatic chisel | Standard size | No | 02 |
| 45. | Cutting nozzle | Different size | Nos | 05 |
| | Measuring Tools/ instruments | | | |
| 46. | Try square | Standard size | Nos | 10 |
| 47. | Steel tape | Standard size | Nos | 10 |

| | | | | |
|-----|-------------------------|---------------|-----|----|
| 48. | Divider | Standard size | Nos | 10 |
| 49. | Steel rule | Standard size | Nos | 10 |
| 50. | Vernier caliper | Standard size | Nos | 05 |
| 51. | Fillet gauge | Standard size | Nos | 05 |
| 52. | Welding gauge | Standard size | Nos | 05 |
| 53. | Wire gauge | Standard size | Nos | 05 |
| 54. | Vernier bevel protector | Standard size | Nos | 05 |
| 55. | Trammel | Standard size | Nos | 02 |
| 56. | Outside caliper | Standard size | Nos | 10 |
| 57. | In side caliper | Standard size | Nos | 10 |
| 58. | Sprit level | Standard size | Nos | 05 |
| 59. | Angle plate | Standard size | Nos | 05 |

List of Materials and Consumables

| | | Materials / Consumables | | |
|-----|------------------------------------------|-------------------------|--------|-----|
| SL | Item | Specification | unit | QTY |
| 1. | Paper | A4 size | Rim | 5 |
| 2. | Toner/cartridge | As per printer | Nos | 2 |
| 3. | White board marker | ----- | Nos | 12 |
| 4. | Duster | ----- | Nos | 6 |
| 5. | Pen | | Nos | 20 |
| 6. | MS plates 6-10 mm thickness | | kgs | 40 |
| 7. | MS Plate Thickness 20mm | | kgs | 10 |
| 8. | SS Plate (maximum Thickness 10mm) | | kgs | 05 |
| 9. | Aluminium sheet (maximum Thickness 05mm) | | kgs | 02 |
| 10. | MS plate, thickness 12 mm | | kgs | 30 |
| 11. | Electrodes 2.5 mm/12 SWG (E6013/E7016-8) | | Packet | 10 |

| | | | | |
|-----|-------------------------------------------|--|--------|-----|
| 12. | Electrodes 3.2 mm/ 10 SWG(E6013/E7016-8) | | Packet | 10 |
| 13. | MS sheet,3 mm thickness | | kgs | 10 |
| 14. | Solid wire 1.2mm (max) | | kgs | 10 |
| 15. | Fluxed core wire 1.2mm (max) | | kgs | 10 |
| 16. | Brass Filler metal | | kgs | 05 |
| 17. | CO ₂ Gas cylinder (Gas filled) | | Nos | 03 |
| 18. | Acetylene cylinder (Gas filled) | | Nos | 03 |
| 19. | LPG cylinder (Gas filled) | | Nos | 03 |
| 20. | Lubricating oil | | ltr | 01 |
| 21. | Cooling gel | | mg | 500 |

List of Personal Protective Equipment (PPE)

| PPE | | | |
|-----|---------------------------------|------|-----|
| SL | Item | | QTY |
| 1. | Dust mask | Nos | 20 |
| 2. | Safety glasses/Goggles | Nos | 20 |
| 3. | Leather hand Gloves | Nos | 20 |
| 4. | Ear plugs | Nos | 20 |
| 5. | Air respirator | Nos | 10 |
| 6. | Safety shoes/boots | Pair | 20 |
| 7. | Aprons | Nos | 20 |
| 8. | Face masks | Nos | 20 |
| 9. | Overalls | Nos | 20 |
| 10. | Welding helmet/Auto dark helmet | Nos | 20 |
| 11. | Safety helmet | Nos | 20 |
| 12. | Face shield | Nos | 20 |
| 13. | Arm guard | Nos | 20 |
| 14. | Leg guard | Nos | 20 |
| 15. | Hand shield | Nos | 20 |
| 16. | Safety belt | Nos | 10 |

List of Furniture

| SL | Name | Specification (for guidance only, some may vary depending on the workshop layout) | Unit | Quantity |
|-----|------------------------|--------------------------------------------------------------------------------------------------------|------|----------|
| 1. | Full Secretariat Table | ----- | Nos. | 01 |
| 2. | Half Secretariat Table | ----- | Nos. | 03 |
| 3. | Arm Cushion Chair | As per requirement | Nos. | 05 |
| 4. | Tabloid Chair | As per requirement | Nos. | 20 |
| 5. | Bookshelf | As per requirement | Nos. | 01 |
| 6. | File Cabinet | As per requirement | Nos. | 02 |
| 7. | White Board | 240 cm X 120 cm made of particle board with white Formica covered and side covered by aluminum channel | Nos. | 01 |
| 8. | Lecture Desk | | Nos. | 02 |
| 9. | Tools Rack | | Nos. | 01 |
| 10. | Display Board | 240 cm x 120 cm made of particle wood and fabric cover | Nos. | 01 |

List of Learning Materials

| Description | Unit | Quantity |
|--------------------------------------------|------|----------|
| Learning Materials | | |
| Competency Based Learning Materials (CBLM) | set | 20 |
| Session Plan | no | - |
| Trainee Record Book | no | 20 |
| Progress Chart | no | 01 |
| REFERENCES | | |
| Related Books | set | 20 |
| Manuals | no | ----- |
| Charts | no | ----- |
| Magazines | no | ----- |

Other requirements:

1. Internet connectivity
2. Uninterrupted power supply source
3. Standby fire extinguisher
4. Internet connectivity

4.4 Training Facilities (Training facilities for 20 trainees)

For two occupations total 110 sq meter floor space is required. Additional 40 sq meter space is required for adding each occupation in STP. (One office room may be used for several occupations)

| Space Requirement | Size in Sq. Feet. | Quantity |
|--------------------------|-------------------|----------|
| Computer Lab | 40 sq meter | 01 |
| Classroom | 25 sq meter | 01 |
| Office room | 12sq meter | 01 |
| Head of the STPs' room | 12 sq meter | 01 |
| Library cum study room | 15 sq meter | 01 |
| Toilet (Male and Female) | -- | 02 |

4.5 Trainers Qualification

- Must be at least holder of NSC in **Welding**, NSQF/BNQF Level-3
- Must be CBT&A Methodology Level– 4 certified

Section 5: Assessment and Certification Standards

5.1 Assessor's Qualification

Certified/Nominated assessor by NSDA will conduct the National Assessment for this National Skills Certificate in **Welding, NSQF/BNQF Level-3**.

5.2 Assessment and Certification Arrangements

- To attain the Qualification of **National Skills Certificate in Welding, NSQF/BNQF Level-3**, the candidate must demonstrate competence in all the units required. Successful candidates shall be awarded a National Skills Certificate issued by NSDA.
- The qualification of **National Skills Certificate in Welding, NSQF/BNQF Level-3**, may be attained through:
 - Accumulation of Statement of Achievement (SOA)
 - Demonstration of Competency through project-type assessment covering all the required units of competency.
- Assessment will be conducted in a actual workplace or simulated workplace environment or training institute using equipment, machinery and tools as specified in the assessment tools.
- The qualified Assessor (or Assessor Panel) will be responsible for making the final judgment of Competent or Not Yet Competent.
- There will be open entry to assessment leading to certification through **Recognition of Prior Learning (RPL)**.

Part B.

Part B of the Course Accreditation Document (CAD) is a set of templates designed to assist the Skills Training Provider (STP) in the development of courses under the National Skills Qualifications Framework (NSQF/BNQF). It is an integral part of the application documents that will be submitted to National Skills Development Authority (NSDA) for accreditation and re-accreditation of programs following National Skills Quality Assurance System (NQAS).

The accreditation document is divided into three sections:

- Part 1 provides information on the Skills Training Provider (STP), Standard Setting Body, the Quality Assurance Body, and course classification and accreditation information.
- Part 2 contains details of rules and requirements under which the course may be structured, delivered and assessed.
- Part 3 includes the units of competency or modules that are contained in the course.

The NSDA approved Competency Standards (CS) and Qualification Standards (QS) will serve as reference to complete the templates.



National Skills Qualification Framework

NSQF / BNQF

**Course Accreditation Documents
for
National Skills Certificate in
Welding
(LE Sector)
NSQF/BNQF Level-3
May 2021**

**National Skills Development Authority
Prime Minister's Office, Bangladesh**

Application for NSQF/BNQF Course / Program Accreditation

Date:

Sir,

The undersigned **(Name of the Head of the Skills Training Provider), (Designation / Position)** of the **(Name of The Skills Training Provider (STP))**, located at **(Address)**, hereby apply for the accreditation of the course / program under the laws of the Government of the People's Republic of Bangladesh.

Course / Program Duration _____ Hours

To support this application, the following duly certified / authenticated documents are submitted:

➤ **Administrative Requirements**

- Fire Safety Inspection Certificate

➤ **Curricular Requirements**

- Competency Standards (CS) (indicating the job titles being addressed and the competencies being developed)
- Course and subject description
- List of supplies, tools and equipment per program
- List of instructional materials (books, videotapes, internet access, and other library references)
- List of official and their qualifications
- List of faculties for the program (WITH CBT&A 4 Certificate and National Skills Certificate)
- List of non-teaching personnel and their qualification

I, **(Name of the Head of the Skills Training Provider (STP)** as **(Position, Designation)**, promise to maintain the standards required for the course/ programs and to follow faithfully all laws, rules and regulations, and their requirements governing the operations of the National Skills Development Authority of any plan of action regarding the closure of phasing out the course/ programs or any changes in the prescribed requirements. I acknowledge that the violation of the laws, of the National Skills Development Authority shall be deemed sufficient cause for the revocation of the certificate of registration.

The institution, which I present, will not conduct classes in the courses / programs applied for the above until unless this application is approved and the National Skills Development Authority has issued the corresponding certificate.

Yours faithfully,

(Name of the Head of the Skills Training Provider)

(Designation/Position)

Part 1: General Information

1. Name and details of the Skills Training Provider

Name of Training Organization:

Status of Institution (e.g., Private, Public, NGO, TSC, Polytechnic):

Name of Respondent:

Position of Respondent:

Postal Address:

Phone Number:

E-mail Address:

2. Purpose of Submission

Accreditation

Re-accreditation

3. Delivery of the Course

The STP applying for this accreditation shall write the method of delivery of the qualification (On-the-job, off-the-job, Apprenticeship, etc.)

4. Quality Assurance Body

National Skills Development Authority (NSDA)

423-428 Tejgaon Industrial Area, Dhaka-1215

Phone: +880 2 8891091; Fax: +880 2 8891092; E-mail: ecnsda@nsda.gov.bd

Website: www.nsga.gov.bd

5. Standard Setting Body (ISC)

State the name and address of the standard setting body responsible for the industry sector

(Include Street/Postal, Phone and E-mail address).

Part 2: Course Information

1. Nomenclature

1.1 Name of the Course:

State the name(s) of the course(s) included in this document. The title of the course must accurately reflect the contents and outcomes of the course including the qualification awarded on successful completion of the course. The name of the course should meet the relevant Standard for Accreditation of courses.

1.2 Nominal Duration of the Course

State the nominal duration of the course in hours. [The nominal duration of the course will indicate the number of hours of Off-the-Job training at the STP. In addition to Off-the-Job training, the course may contain On-the-Job (i.e. workplace based) training. The nominal duration of the course (Off-the-Job and On-the-Job) should be in accordance with the national guidelines.

- The length of training required for achieving a given level of the qualification could vary from occupation to occupation. For example, welding competencies may take a longer time to develop than machine operations competencies. The duration proposed for each qualification, though nominal, must be based on a clear and sound logic.
- The recommended Off-the-job training for a National Technical Vocational Qualification Framework (NSQF/BNQF) Level 1 course is a minimum of 360 learning hours. A higher level NSQF/BNQF course must have at least 270 hours of additional learning for each higher NSQF/BNQF level. For example, a Level 2 NSQF/BNQF course will have (360 + 270 =) 630 hours of learning and a Level 3 NSQF/BNQF course will have (360 + 270 + 270 =) 900 learning hours.
- The recommended work experience/On-the-Job training is a minimum of 160 hours for a NSQF/BNQF Level 1 course, and 216 hours for each higher NSQF/BNQF level course.
- If the length of the Off Job and/or On Job training is more than the recommended minimum, there must be adequate justification. Very strong justification is required if the nominal duration of the course is more than 20% of the recommended minimum. However, the nominal duration of the course should not be more than 25% of the recommended minimum.

2. Course Outcomes

Refer to the relevant Standard for Accreditation of courses. The course outcomes must reflect the industry/enterprise/ community needs, the level and the nature of the course.

3. Course Rules and Requirements

Refer to the relevant Standard for Accreditation of courses (CS and QS).

3.1 Course Structure (may adapt the structure presented in the QS)

The course structure should ensure that the combination of Units of Competency and/or Modules provide training for the range of job functions and tasks from the competency standards.

Course structure may be presented in table format or as a combination of text and table, including guidelines on sequencing (pre-requisite, co-requisites), clustering and nominal hours.

- *Outline the structure of the course and rules for completion. Course structure will reflect the intended skills and knowledge outcomes of the course and may be:*
 - *generic*
 - *industry sector specific*
 - *occupation specific and/or (specialized) job role specific - compulsory*
 - *occupation specific and/or (specialized) job role specific - elective*

**Course Structure
for**

**National Skills Certificate in _____
(NSQF/BNQF Level _____)**

Detailed Information on the UoCs to be successfully completed for the award of this national certificate should be identified.

3.1.1 Requirements for Award of the Qualification

To be eligible for the award, the student should successfully complete the Units of Competency as required in the above table through:

3.1.2 Exit Qualification

Any exit point from the course that provides for vocational or educational outcome should be identified.

3.1.3 Statement of Achievement

Indicate that only a Statement of Achievement will be issued for any unit of competency/module completed if the full qualification is not completed.

3.1.4 Reporting, Quality Assurance and Certification

3.2 Entry Requirements and Selection Criteria

Refer to the Qualification Standards

3.2.1 Entry Requirements (Refer to the relevant Qualification Standards)

3.2.2 Selection Criteria (refer to QS)

4. Assessment Rules and Requirements

4.1 Assessment Strategy

4.2 Recognition of Prior Learning (RPL)

4.3 Workplace Assessment

5. Resources Rules and Requirements

(Accomplish the forms provided in the appendices)

Refer to the relevant Qualification Standards for the templates provided to accomplish this information.

5.1 Physical Resources

Provide details of specialized facilities, tools and equipment essential for the delivery of the course.

- List of number of classrooms, laboratories, and workshops required for a class of 20 students.
- List of number of tools and equipment required for each classroom, laboratory, and workshop for a class of 20 students.
- Summary of the consumables and materials required for practice (e.g. Food, Chemical, Computer spares and parts) for a class of 20 students.

5.2 Human Resources

State the minimum recommended qualifications and experience of trainers and support staff. Include training and experience relating to both vocational competency/qualifications and competency-based training and assessment competency/qualifications and industry experience. Any recommended requirements must be justifiable and also meet the NQAF standards for Registration of Training establishments (Colleges/Institutes/Training Centers) and accreditation for delivering nationally registered courses.

5.2.1 Industry Experience (Attach relevant portfolio)

Teachers, trainers and assessors must have had at least 1 or 2 years of relevant industry experience and should keep abreast of the current technology through ongoing exposure to relevant practices in the industry

Teachers, trainers and assessors should also have current knowledge and awareness of access and equity issues relevant to students needs arising from a variety of factors including socio-economic status, disability status, ethnic background, race, family differences, sexual preferences and gender specific differences.

5.2.2 Student Trainer Ratio:

01 Trainer: 20 trainees

5.2.3 Support Staff:

- Include technical and administrative support staff.

5.3 Learning Resources

Identify a list of teaching and learning resources required for offering the course.

- The list must include the text books, workbooks, in-house resource packs/customized trainee guidebooks, relevant national/industry standards, laws and regulations, manufacturer's instruction manuals, and audio, video and digital media (if any) included which are suitable for the students.

- In addition, additional reference books, audio, video and digital media and URLs of relevant websites, which could be used by teachers and gifted students must be included.
- The list must cover each Module/Unit of Competency (Subject) included in the course and emphasis the practical components of the training.
- APA (American Psychological Association) style of referencing is recommended for listing teaching and learning resources.

6. Ongoing Monitoring, Evaluation and Review

Refer to the relevant Qualification Standard for accreditation of courses

1. Describe the monitoring and evaluation processes, which will be undertaken by the Skills Training Provider (College/Institute/Training Centre) offering the course and the Quality Assurance Body:
 - the relevance and current nature of the course (e.g. The mechanism for ensuring relevance and current nature of the course could include an active industry advisory committee and other ongoing networking and engagement with industry through work placement, industry visits, guest lectures, information on national skills shortage, international skills demand, global trends, current technology)
 - the quality of delivery of the course (e.g. students' feedback, staff feedback)
 - the quality of assessments leading to the award of the qualification (e.g. internal and/or external validation of assessment before and after assessment)
 - the quality of graduates (e.g. employment rate, employer satisfaction level)

Part 3: Details of the Course

CURRICULUM DESIGN

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title: | |
| NSQF/BNQF Level: | |
| Nominal Duration: | ____ Hours |
| Course Description: | <p>This course is designed to enhance the knowledge, skills, positive attitude and work values of the learner in accordance with the prevailing standards in the National Skills Development Authority. This encompasses competencies required of a (<u>Occupation/Qualification</u>) to perform the tasks in the areas of (<u>Describe the duties of the occupation/qualification</u>).</p> <p>To obtain this, all units prescribed for this qualification must be achieved:</p> |

GENERIC COMPETENCY (____ HOURS)

| Unit of Competency | Learning Outcomes | Methodology | Assessment Approach |
|--------------------|-------------------|-------------|---------------------|
| 1. | 1.1 | • | • |
| 2. | 2.1 | • | • |

SECTOR SPECIFIC COMPETENCY (____ HOURS)

| Unit of Competency | Learning Outcomes | Methodology | Assessment Approach |
|--------------------|-------------------|-------------|---------------------|
| 1. | 1.1 | • | • |
| 2. | 2.1 | • | • |

OCCUPATION SPECIFIC COMPETENCY(____ HOURS)

| Unit of Competency | Learning Outcomes | Methodology | Assessment Approach |
|--------------------|-------------------|-------------|---------------------|
| 1. | 1.1 | • | • |
| 2. | 2.1 | • | • |

Appendices

(Appendix 1-9)

Appendix 1 - Training Design

QUALIFICATION: _____

Nominal Duration: _____ hours

Name of Institution: _____

| Competencies | Duration of Training | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------|----------------------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | Month 1 | | | | Month 2 | | | | Month 3 | | | | Month 4 | | | | Month 5 | | | |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Generic Competencies (____ Hours) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Sector Specific Competencies (____ hours) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Occupation Specific Competencies (____ hours) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Elective (____ hours) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

(Sample legend only, may change depending on the STP)

each for 2 days
 dayHalf-day

Submitted by: _____ Attested by: _____ Inspected by: _____
 (Head of the Department)(Head of the Institution) QA/ Expert NSDA

Date: _____ Date: _____ Date: _____

Appendix 2- List of Equipment

Program: _____

Name of Institution: _____

| Name of Equipment (1) | Specification (2) | Acquisition Year (3) | Quantity on Site (4) | Quantity Required (5) | Difference (6) | Percent Compliance (7) | Inspectors Remarks (indicate standard ratios) (8) |
|-----------------------|-------------------|----------------------|----------------------|-----------------------|----------------|------------------------|---------------------------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA/ Expert NSDA

Date:

Date:

Date:

Note: Columns 1-4 to be filled out by Institution; Columns 5-8 to be filled out by QA/Expert NSDA.

Appendix 3 - List of Tools

Program: _____

Name of Institution: _____

| Name of Tools(1) | Specification (2) | Acquisition Year(3) | Quantity on Site (4) | Quantity Required (5) | Difference (6) | Percent Compliance (7) | Inspectors Remarks (indicate standard ratios) (8) |
|------------------|-------------------|---------------------|----------------------|-----------------------|----------------|------------------------|---------------------------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA/ Expert NSDA

Date:

Date:

Date:

Note: Columns 1-4 to be filled out by Institution; Columns 5-8 to be filled out by QA / Expert NSDA.

Appendix 4 - List of Consumables

Course: _____

Name of Institution: _____

| Name of Tools(1) | Specification (2) | Acquisition Year(3) | Quantity on Site (4) | Quantity Required (5) | Difference (6) | Percent Compliance (7) | Inspectors Remarks (indicate standard ratios) (8) |
|------------------|-------------------|---------------------|----------------------|-----------------------|----------------|------------------------|---------------------------------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA/ Expert NSDA

Date:

Date:

Date:

Note: Columns 1-4 to be filled out by Institution; Columns 5-8 to be filled out by QA / Expert NSDA.

Appendix 5 - List of Instructional Materials / Library Holdings

Program: _____

Name of Institution: _____

| Title | Classification | Date of Publication | No. of Copies | Inspector's Remarks |
|-------|----------------|---------------------|---------------|---------------------|
| | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA/ Expert NSDA

Date:

Date:

Date:

- *Classify whether journal, book, magazine, etc.*

Appendix 6 - List of Instruction's Physical Facilities

Program: _____

Name of Institution: _____

| Name | Description | Quantity | Inspector's Remarks |
|------|-------------|----------|---------------------|
| | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA / Expert NSDA

Date:

Date:

Date:

Appendix 7 - List of Off-Campus Physical Facilities

Program: _____

Name of Institution: _____

| Name | Description | Quantity | Inspector's Remarks |
|------|-------------|----------|---------------------|
| | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA / Expert NSDA

Date:

Date:

Date:

Appendix 8 - List of Officials (President, Registrar, Guidance Counselor)

Program: _____

Name of Institution: _____

| Name | Position | Nature of Appointment | Educational Attainment | Experience Related to Position | Industry Experience | Competency Certificates | Remarks |
|------|----------|-----------------------|------------------------|--------------------------------|---------------------|-------------------------|---------|
| | | | | | | | |
| | | | | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA / Expert NSDA

Date:

Date:

Date:

Appendix 9 - Trainers, Faculty, Teaching Professionals

Program: _____

Name of Institution: _____

| Name | Position | Nature of Appointments | Educational Attainment | Experiences Related to Position | Industry Experience | Competency Certificates | | | Remarks |
|------|----------|------------------------|------------------------|---------------------------------|---------------------|-------------------------|----|----|---------|
| | | | | | | NSC | TQ | AQ | |
| | | | | | | | | | |

Submitted by: _____
(Head of the Department)

Attested by: _____
(Head of the Institution)

Inspected by: _____
QA / Expert NSDA

Date:

Date:

Date:

- NSC - National Skills Certificate
- TQ- Trainer Qualification
- AQ-Assessor Qualification