



**merSETA**

MANUFACTURING, ENGINEERING AND RELATED SERVICES SETA

26/04/2017

**Ms Ouma Manxiwa**

2 Sheffield Road (Cnr Dekema Road)

Wadeville

1422

Dear Ms Ouma Manxiwa

**FULL ACCREDITATION - The SAJ Competency Training Institute (WADEVILLE) (TP)**

**ACCREDITATION NO: - 17-QA/ACC/0102/07**

It is our pleasure to inform you that the MERSETA review committee approved **The SAJ Competency Training Institute (WADEVILLE) (TP)**'s application for full accreditation as a provider on **26/04/2017** for the qualifications and/or unit standards listed on your statement of qualifications and unit standards.

Please note that if your accreditation was for an area of specialisation within a qualification, this accreditation is for that area of specialisation only. The provider is therefore required to deliver strictly according to the registered NQF qualification with specific reference to the "Qualification rules".

MERSETA will continue to monitor the standard of your training through regular auditing of the implementation of your quality management system. You will be contacted in this regard.

Congratulations on your achievement and thank-you for your high level of commitment and professionalism.

**SENIOR MANAGER: QUALITY  
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**merSETA Head Office**

95 7th Avenue Corner Rustenburg Road, Melville, Johannesburg, 2109

P O Box 61826, Marshalltown 2107

Telephone No: 010 219 3000 Website: [www.merseta.org.za](http://www.merseta.org.za)



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## STATEMENT OF QUALIFICATIONS AND/OR UNIT STANDARDS

**Training Provider Name: The SAJ Competency Training Institute (WADEVILLE) (TP)**

**Accreditation Status: Accredited - Full**

**Approval Number: 17-QA/ACC/0102/07**

SAQA ID NO	QUALIFICATION OR UNIT STANDARD TITLE
	Boilermaker
	Electrician
	Fitter
	Fitter and Turner
	Millwright (Electromechanician)
	Tool Jig & Die Maker
	Turner
	Welder
	Millwright (Electromechanician)
03Q030098271332	National Certificate: Measurement, Control And Instrumentation (CHIETA)
10768	Cut material by means of lancing
10780	Cut mild steel by means of an Oxy-acetylene profile cutter
10783	Join of aluminium by means of arc welding
10785	Weld aluminium by means of Oxy-acetylene equipment
10789	Weld mild steel by means of Oxy-acetylene equipment

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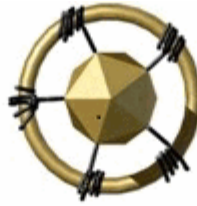
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10790	Silver solder metals by means of Oxy-acetylene equipment
10824	Bend a pipe by means of a hydraulic pipe bender
10842	Join cast iron by means of arc welding
10848	Replace Liners In A Transfer Chute
10981	Supervise work unit to achieve work unit objectives (individuals and teams)
110001	Communicate effectively in teams
110016	Hand over responsibility for a manufacturing operation
110205	Demonstrate Knowledge Of The Mine Health And Safety Act, Regulations And Definitions
113899	Demonstrate an understanding of basic programmable logic controllers
114194	Demonstrate understanding of regulations codes and drawing office practices for structural steel detailing
114952	Apply problem-solving techniques to make a decision or solve a problem in a real life context
114978	Use a word processing package to produce business documents
115091	Monitor compliance to safety, health and environmental requirements in a workplace
115093	Control workplace hazardous substances
115101	Address workplace hazards and risks

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115547	Replace conveyor belt steel structures (stringers, cradles)
115565	Fabricate components by means of the triangulation method
115568	Fabricate components by means of the parallel line method
115571	Fabricate components by means of the radial line method
115699	Fabricate Rolled Sections
115740	Fabricate A Launder
115744	Fabricate a spiral by means of triangulation
115745	Butt-weld a pipe in position
116059	Maintain Specialized Sensing Devices
116218	Explain the planning and scheduling of tasks in a production environment
116235	Operate a pendant controlled overhead crane
116520	Apply safety, health and environmental principles and procedures in a workplace
116533	Demonstrate basic knowledge and understanding of emergency preparedness and response
116714	Lead a team, plan, allocate and assess their work
116720	Show understanding of diversity in the workplace

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116932	Operate a personal computer system
116937	Use a Graphical User Interface (GUI)-based spreadsheet application to create and edit spreadsheets
117867	Managing files in a Graphical User Interface (GUI) environment
117877	Perform one-to-one training on the job
117902	Use generic functions in a Graphical User Interface (GUI)-environment
117924	Use a Graphical User Interface (GUI)-based word processor to format documents
119169	Work with and look after materials in the plastics manufacturing production process
119232	Conduct Magnetic Particle Inspection
119235	Conduct Dye Penetrant Testing
119237	Perform And Evaluate Liquid Penetrant Testing
119239	Conduct Radiographic Testing
119243	Conduct Ultrasonic Testing
119245	Conduct Eddy Current Testing
119247	Conduct Non-Destructive Radiographic Tests
119250	Conduct Non-Destructive Eddy Current Testing

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SAQA ID NO	QUALIFICATION OR UNIT STANDARD TITLE
119252	Conduct Non-Destructive Ultrasonic Testing
119253	Conduct Magnetic Particle Testing
119454	Maintain and adapt oral/signed communication
119456	Write/present for a defined context
119457	Interpret and use information from texts
119458	Analyse and respond to a variety of literary texts
119459	Write/present/sign for a wide range of contexts
119460	Use language and communication in occupational learning programmes
119462	Engage in sustained oral/signed communication and evaluate spoken/signed texts
119463	Access and use information from texts
119465	Write/present/sign texts for a range of communicative contexts
119466	Interpret a variety of literary texts
119467	Use language and communication in occupational learning programmes
119469	Read/view, analyse and respond to a variety of texts
119471	Use language and communication in occupational learning programmes

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119472	Accommodate audience and context needs in oral/signed communication
119744	Select, use and care for engineering hand tools
119753	Perform basic welding/joining of metals
120383	Provide assistance in implementing and assuring project work meets quality requirements
12215	Read, interpret and produce basic engineering drawings
12219	Select, use and care for engineering power tools
12238	Draw and interpret simple engineering drawings
12239	Mechanically cut, drill and punch fabrication materials.
12240	Form and shape sheetmetal using hand or power operated machines
12244	Form and shape sheet, plate, pipe and structural section using power machinery
12245	Mechanically cut, drill, punch and assemble fabrication materials using powered machinery
12246	Assemble and mechanically join sheet, plate, tube, pipe and steel sections
12252	Develop and fabricate from complex drawings
12253	Cut, drill and punch, assemble and mechanically join structural steel work
12429	Develop a personal financial plan

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12444	Measure, estimate and calculate physical quantities and explore, describe and represent geometrical relationships in 2-dimensions in different life or workplace contexts
12455	Perform the role of a safety, health and environmental protection representative
12456	Explain and use organisational procedures
12457	Develop learning strategies and techniques
12461	Communicate at work
12463	Understand and deal with HIV/AIDS
12465	Develop a learning plan and a portfolio for assessment
12466	Explain the individual's role within business
12476	Select, use and care for engineering measuring equipment
12477	Identify engineering materials, their characteristics and applications and common metal tests used in engineering
12481	Sling loads
12482	Join metals using the resistance welding process
12483	Perform basic first aid
12484	Perform basic fire fighting
12488	Complete feasibility and commissioning reports

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12814	Remove metals using air-carbon arc gouging processes
13115	Install, test and maintain an electro-hydraulic system
13116	Install, test and maintain an electro-pneumatic system
13118	Install and programme advanced industrial programmable logic controllers
13134	Install and programme basic programmable logic controllers
13136	Install, test, maintain and commission basic electrical circuits
13138	Install, use and test hardware and software
13139	Install, test and maintain a basic pneumatic system
13141	Install, test and maintain single phase AC/DC machines and control gear
13154	Install, test and maintain three phase AC/DC machines and control gear
13202	Apply study and learning techniques
13204	Operate and monitor a milling machine to produce simple components
13205	Operate and monitor a lathe to produce simple components
13214	Operate and monitor a drilling machine to produce simple components
13217	Collect and use information

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13220	Keep the work area safe and productive
13221	Perform routine maintenance
13222	Deal with safety, health and environmental emergencies in the workplace
13234	Apply quality procedures
13235	Maintain the quality assurance system
13238	Mark off basic engineering shapes
13254	Contribute to the implementation and maintenance of business processes
13258	Participate in work group activities
13260	Perform non-destructive tests on metal parts and components
13274	Test the physical properties of engineering metals
13275	Perform heat treatment processes on engineering metals
13315	Write simple computer numerical controlled (CNC) programmes and set and operate a CNC machine
13333	Write computer numerical controlled (CNC) programmes for CNC machining centres using proprietary software
13334	Install, test and configure variable speed control drives
13915	Demonstrate knowledge and understanding of HIV/AIDS in a workplace, and its effects on a business sub-sector, own organisation and a specific workplace

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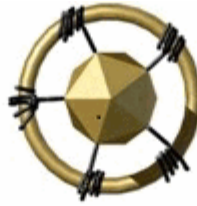
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13916	Identify and keep the records that a team manager is responsible for keeping
14473	Develop and produce computer aided drawings
14492	Identify, interpret and produce working piping drawings
14497	Identify, interpret and produce working structural steel drawings
14683	Apply work site practices
14688	Develop work instructions for thermoplastic fabrication using drawings
14695	Remove material with the shields metal arc gouging process
14698	Cut materials using plasma cutting
14700	Lay out and mark off regular and irregular shapes for thermoplastic fabrication
14701	Join sheetmetal with resistance arc welding process
14706	Perform basic rigging procedures
14707	Gouge material with air-carbon-arc gouging process
14712	Identify and select material to specification
14713	Use welding definitions and symbols
14721	Weld pipe with oxy-acetylene gas process

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14722	Describe the welding industry's composition its productivity requirements and communication techniques
14779	Describe chemical process operations and related process chemistry and technology used in the chemical industry
14783	Conform to and apply legislation and operational instructions in chemical processing
14913	Explain the principles of computer networks
17Q170040171743	National Certificate in Mechanical Engineering (Fitting and Machining): NQF Level 3 (Fitter & Turner)
17Q170155281302	National Certificate: Mechanical Engineering (Manufacturing And Engineering Fitter) NQF Level 2
17Q170182241203	National Certificate: Mechanical Engineering: Fitting: Manufacturing And Engineering NQF Level 3
17Q170188341323	National Certificate: Mechanical Engineering: Tooling Manufacture (Plastic Mould Maker) NQF Level 3
17Q170189291323	National Certificate: Mechanical Engineering: Machining (Turner) NQF Level 3
17Q170190341323	National Certificate: Mechanical Engineering: Tooling Manufacture (Tool, Jig And Die Maker) NQF Level 3
17Q170191291323	National Certificate: Mechanical Engineering: Machining (Roller Turner) NQF Level 3
17Q170198261324	Further Education And Training Certificate: Mechanical Engineering: Machining And Tooling NQF Level 4
17Q170237221204	Further Education And Training Certificate: Mechanical Engineering: Fitting: Manufacturing And Engineering NQF Level 4
242974	Operate counter-balanced lift truck
243014	Operate and monitor computerised numerically controlled (CNC) machining equipment

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243024	Set up and start CNC machining processes
243025	Monitor machining process, interpret statistical process control charts, and rectify production problems
243049	Weld carbon steel pipe using the cored-wire welding process in all positions
243050	Weld pipe within the stainless steel material group, using the gas tungsten arc welding process in all positions
243051	Weld steel workpieces, using the plasma arc welding process in all positions
243052	Weld carbon steel workpieces using the cored-wire welding process in all positions
243053	Weld carbon steel workpieces using the oxy-acetylene gas welding process in all positions
243054	Weld carbon steel pipe, using the gas tungsten arc welding process in all positions
243055	Prepare and secure work pieces for welding (includes the use of manipulators)
243056	Weld carbon steel workpieces using the shielded metal arc welding process in all positions
243057	Weld workpieces within the stainless steel material group, using the gas tungsten arc welding process in all positions
243058	Weld carbon steel workpieces using the gas tungsten arc welding process in all positions
243059	Weld workpieces in the stainless steel material group, using the gas metal arc welding process in all positions
243060	Weld pipe within the stainless steel material group, using the gas metal arc welding process in all positions
243061	Assemble work pieces in jigs (minor amendments include the use of manipulators)

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243062	Weld carbon steel pipe, using the shielded metal arc welding process in all positions
243063	Weld carbon steel work-pieces using the shielded metal arc welding process in the down-hand position.
243064	Weld carbon steel workpieces, using the gas metal arc welding process in all positions
243065	Weld carbon steel pipe using the gas metal arc welding process in all positions
243066	Weld carbon steel workpieces using the gas metal arc welding process in the down-hand position
243067	Cut materials using the oxy-fuel gas cutting process (manual cutting)
243068	Weld carbon steel workpieces using the gas tungsten arc welding process in the downhand position
243069	Braze metals using the oxy-fuel brazing process
243070	Programme, use and maintain an industrial robot system
243072	Weld workpieces using the oxy-acetylene gas welding process in the downhand position
243074	Weld carbon steel components, using the submerged arc welding process in a downhand position
243075	Draw and interpret simple plate, pipe and structural steel plate, pipe and structural steel drawings
243076	Weld carbon steel workpieces using the cored-wire welding process in the downhand position
243077	Cut material using the oxy-fuel pipe cutting device
243078	Perform destructive testing on welded specimens

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243079	Weld workpieces within the aluminium material group, using the gas tungsten arc welding process in all positions.
243080	Cut material using the oxy-fuel profile cutting machine
243081	Cut material using the oxy-fuel straight-line cutting machine
243083	Weld pipe within the aluminium material group, using the gas metal arc welding process in all positions
243085	Weld carbon steel workpieces, using the shielded metal arc and gas tungsten arc combination welding processes, in all positions
243086	Draw and interpret complex plate, pipe and structural steel plate, pipe and structural steel drawings
243087	Weld pipe within the aluminium material group, using the gas tungsten arc welding process in all positions
243088	Weld carbon steel pipe, with combination welding processes using the gas tungsten arc welding and gas metal arc welding, in all positions
243089	Weld workpieces within the aluminium material group, using the gas metal arc welding process in all positions
244077	Demonstrate understanding of chemicals in a processing environment
244089	Understand applications of physical chemistry in a processing environment
244339	Mark off and fabricate sections using the contour marker method
244340	Fasten Components By Means Of Swage Lock Bolts (Huck Bolt)
244341	Perform heat manipulation processes on plate, pipe and structural materials
244342	Measure and mark off steel profiles

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244343	Align a steel structure using a dumpy level
244345	Identify fabrication materials, their characteristics and applications used in engineering
244346	Layout And Fabricate A Metal Structure
253074	Demonstrate an understanding of basic digital circuits
253374	Describe the chemical industry's composition, its regulatory requirements and communication techniques
253440	Assemble mechanical components
258678	Operate and monitor a milling machine
258679	Operate and monitor a lathe
259139	Demonstrate and apply knowledge of basic digital electronic principles
260723	Install, test and maintain a basic fluid power system
264996	Construct and test basic electronic circuits
265094	Install, test and configure industrial network systems
57877	National Certificate: CNC Production Machining
57878	National Certificate: CNC Production Machining
58534	National Certificate: Welding Application and Practice: Manufacturing and Engineering

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58535	National Certificate: Welding Application and Practice: Manufacturing and Engineering
58536	FETC: Welding Application and Practice: Manufacturing and Engineering
66772	National Certificate: Engineering Fabrication: Manufacturing and Engineering
66773	Further Education and Training Certificate: Engineering Fabrication: Manufacturing and Engineering
66774	National Certificate: Engineering Fabrication: Manufacturing and Engineering
67609	National Certificate: Mechatronics
67629	National Certificate: Mechatronics
67649	Further Education and Training Certificate: Mechatronics
7456	Use mathematics to investigate and monitor the financial aspects of personal, business and national issues
7468	Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues
7469	Use mathematics to investigate and monitor the financial aspects of personal and community life
7480	Demonstrate understanding of rational and irrational numbers and number systems
8038	Operating lift trucks
8039	Operating cranes
9007	Work with a range of patterns and functions and solve problems

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**merSETA Head Office****95 7th Avenue Corner Rustenburg Road, Melville, Johannesburg, 2109****P O Box 61826, Marshalltown 2107****Telephone No: 010 219 3000 Website: [www.merseta.org.za](http://www.merseta.org.za)**



**SENIOR MANAGER: QUALITY  
ASSURANCE & PARTNERSHIPS**

26/04/2022

**DATE**



**merSETA**

MANUFACTURING, ENGINEERING AND RELATED SERVICES SETA

## STATEMENT OF QUALIFICATIONS AND/OR UNIT STANDARDS

**Training Provider Name: The SAJ Competency Training Institute (WADEVILLE) (TP)**

**Accreditation Status: Accredited - Full**

**Approval Number: 17-QA/ACC/0102/07**

SAQA ID NO	QUALIFICATION OR UNIT STANDARD TITLE
9008	Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts
9009	Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems
9010	Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations
9012	Investigate life and work related problems using data and probabilities
9013	Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts
9015	Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems
9016	Represent analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts
9268	Manage basic personal finance
9322	Work in a team
9443	Work safely and use safety equipment
9526	Manage basic business finance
9528	Communicate with clients
9530	Manage work time effectively
9533	Use communication skills to handle and resolve conflict in the workplace

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9672

Erect and dismantle scaffolding



26/04/2022

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SAQA ID NO	QUALIFICATION OR UNIT STANDARD TITLE
9678	Follow Basic Health And Safety Practices Understood
9882	Read and interpret basic engineering drawings
SP 0021/06-17	Machinist (Level A)
SP 0158/07-17	Artisan assistant (Fitting & machining)
SP 0258/08-17	Maintain Pumps & Equipment
SP 0304/09-17	Mechanical Workshop Assistant
SP 0445/10-17	Fluid Power Maintenance Assistant
SP 0446/10-17	Pumps & Conveyors Maintenance Assistant
SP 0447/10-17	First Line Maintenance Assistant
SP 0576/11-17	Mechanical Workshop Assistant Part 2
SP 0627/11-17	Tool Room Assistant
SP 0638/12-17	Safe Use Of Workshop Tools
SP 0692/12-17	Workshop Advance Machinist
SP 0701/12-17	Basic Machining In Manufacturing
SP 0702/12-17	Introduction To Mechanical Engineering In Machining

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**Accreditation Status: Accredited - Full**

**Approval Number: 17-QA/ACC/0102/07**

SAQA ID NO	QUALIFICATION OR UNIT STANDARD TITLE
SP 0847/13-17	CNC Machine, Setter And Programmer



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