



Aerospace Chamber

# *Aircraft Radiotrician*

## Section 13 and 28

# Experience Training Logbook

Trainee Name .....

ID No .....

Section 13 Contract No .....

OR

Section 28 Registration No .....

**Employer Name (1)**

.....

**Employer Address**

.....

.....

.....

.....

**Employer Tel №**

.....

**Employer Name (2)**

.....

**Employer Address**

.....

.....

.....

.....

**Employer Tel №**

.....

**Employer Name (3)**

.....

**Employer Address**

.....

.....

.....

.....

**Employer Tel №**

.....

## TRAINEE DETAILS

**T.E.T.A. Registration №:**

---

**Surname:**

---

**Full Names:**

---

**Identity №:**

---

**Postal Address:**

---

---

---

---

**Telephone №:**

---

## Education and Training

**Highest School Qualification**

---

**Trade Related Tertiary  
Education**

---





# **GENERAL GUIDELINES FOR EXPERIENCE TRAINING**

The following information is to assist the Trainee as well as the Training Monitor in performing their task.

Note: Training Monitor / Foreman / Chief Engineer can monitor and certify training.

## **Logbook**

1. Records must be retained for the duration of the Trainees contract and be submitted to TETA for evaluation with the trainee's application for Trade Test.
2. The Trainee must practice every skill until they feel that they are competent. The Training Monitor will then test the trainee to confirm competency and sign their logbook.
3. Maintaining and recording logbook entries is the responsibility of the trainee.

## **Training Officer**

1. Each company must have a person who is responsible for overseeing the training.
2. This person could be a Licenced Technician, Inspector, Workshop Foreman, Assessor, Chief Engineer.
3. The duties of this person are:

To guide the trainee through his/her trade related experience training.

To ensure compliance with the companies policies and procedures such as; work instructions, manual of procedures, standard practices, safety, documentation, etc.

To inspect the trainee's work and after a pre determined number of repetitions and, the trainee demonstrating the competence, the training officer will assess the competence on that specific task. On passing the assessment, the Training Officer will sign and stamp the task in the logbook.

To ensure that the trainee's logbook is up to date on each of the completed tasks.

## **Trainee:**

- Perform each given task to aircraft standards, successfully and within the time constraints.
- Work in accordance to the company's Manual of Procedures and adhere to all work instructions, safety procedures / precautions etc. at all times.
- After successful completion of the task/s, record it in the logbook immediately.
- Have your logbook regularly signed off by your training officer.

## **Registration of Section 13**

The contract of apprenticeship must be registered at the TETA not later than one month after the mandatory probation period of 3 months in terms of Manpower Training Act No. 39 of 1990.

The duration of apprenticeship is the minimum of 95 to a maximum of 208 weeks; the mandatory basic training course that the trainee has to attend is included in this period.

## **Registration of Section 28**

The trainee must register as a Section 28 candidate with TETA. The trainee must be registered for a minimum period of three months at TETA before a trainee can apply for a trade test date.

## **INTRODUCTION TO THE SECTION 28 TRAINEE**

### **Manpower Training Act № 56 of 1981**

#### **Section 28**

*Whenever in the opinion of the registrar adequate provision has been made for a qualifying trade test to be undergone in any trade in accordance with standards recognized by the board, the registrar may, on the application on the prescribed form of any person who has been trained as a trainee in terms of this Act or the Training of Artisans Act. 1951 (Act No. 38 of 1951), or any other person who has not passed a qualifying trade test as contemplated in section 13 (12) (h) of this Act or section 16 (2) (h) of the Apprenticeship Act. 1944 (Act) No. 37 of 1944), but who satisfies the registrar that he has undergone training or gained experience in the trade in question of a nature and for a period or aggregate period which in the opinion of the registrar is adequate, and on payment by such person of the prescribed fee, admit him to a trade test in accordance with the said standards*

A section 28 trainee is required to accurately document their experience in a logbook which too would need to be verified (sign and stamp) by their training provider or employer.

**The following academic / work experience combinations will qualify the trainee to write their Trade test.**

- A minimum period of eighteen (18) months relevant on the trade related experience, duly logged, signed and stamped, together with proof of successful completion of a 35 weeks accredited competency based training course in the relevant trade, at an accredited training centre;

**OR**

- A minimum period of three (3) years relevant trade related experience, duly logged, signed and stamped together with proof of successful completion of the relevant N3 trade theory subject;

**OR**

- A minimum period of four (4) years relevant trade related experience, duly logged, signed and stamped together with proof of successful completion of the relevant N2 trade theory subject;

**OR**

- A minimum period of five (5) years relevant trade related experience, duly logged, signed and stamped together with proof of successful completion of the relevant N1 trade theory subject.

The applicant must not have been away from the trade for more than 12 months after his/her Trade related experience/training period prior to his/her application for trade test. If the candidate was away from the trade related experience/training for more than 12 months he/she must complete the following refresher training prior to his/her application for trade test

Candidates who do not conform to the minimum requirements to attempt a Section 28 trade test must:

- Complete all outstanding training requirements plus complete an additional minimum 6 months training at an accredited training provider.
- OR**
- An additional minimum 9 months trade related experience signed and stamped by a training officer.

**NOTE!** Training must address the trainee's shortcomings according to the prescribed TETA Training syllabus for the trade.

A Section 28 trade test application that resulted from a rescinded Section 13 (12) contract will not carry the trade test credits over.

# INSTRUCTIONS FOR FILLING IN YOUR LOGBOOK

There are various categories in your logbook. Make your entries in the logbook accordingly (**Ref. 1**).

Identify the main task or component that you are working on - use the trade content guide e.g. Installations, fault finding, repair etc. Fill this main task or component in the space provided on the top right side of the page (**Ref. 2**). This page will then only be dedicated to jobs that fall into the category of that main task or component.

Then, in each task block (**Ref. 3**) you must give a description of the task as well as the aircraft type on which it was performed. Under 'Repetitions of Task' (**Ref. 4**) there are three fields:

REP / S: fill in the progressive number of repetitions.

HOURS: fill in the time taken to complete the task.

DATE: fill in the date you did the task.

Each repetition will use one column, when the five columns are full; complete the last two columns which indicate the accumulated time for the task (2<sup>nd</sup> last column) and have your engineer sign it off in the last column. Open a new block for the next repetition of the specific task (NB. use progressive numbering from the previous row of the same type of task).

At the bottom of each page calculate the total time worked on the tasks for that page.

For the purpose of doing your final summary, batch similar main tasks / components together e.g. all the inspection hydraulic task pages.

Category:           **Ref. 1**           Main Task / Component:           **Ref. 2**          .

Name of Trainee:		Identity No	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s	↑					
	<b>Ref. 3</b>	Hours	<b>Ref. 4</b>					
		Date	↓					
		Rep/s						

Category :   *Receivers*   Main Task / Component:   *Remove / Install*  

Name of Trainee:	<i>I. M. Appy</i>	Identity No	<i>800229 5010 08 3</i>
Employer Name:	<i>R. U. Crazy</i>	Training Year:	<i>2005</i>

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp	
		Rep/s	1	2	3	4			5
<i>1</i>	<i>Installation Bendix / King</i>	Hours	<i>0.5</i>	<i>1.0</i>	<i>1.0</i>	<i>1.5</i>	<i>0.5</i>	<i>4.5</i>	<i>[Signature]</i>
	<i>KX 155 A Nav/Com radio</i>	Date	<i>2/4</i>	<i>11/5</i>	<i>16/5</i>	<i>1/7</i>	<i>29/7</i>		
<i>2</i>	<i>Installation XCOM 760</i>	Rep/s	<i>1</i>	<i>2</i>				<i>4.5</i>	<i>[Signature]</i>
	<i>VHF Transceiver</i>	Hours	<i>2.5</i>	<i>2.0</i>					
		Date	<i>5/4</i>	<i>3/6</i>					

A typical example of a logbook entry



## **BASIC TRAINING GUIDE OF TRADE CONTENT FOR AN AIRCRAFT RADIOTRICIAN**

No	Description	Content Guide
1.	Measuring Instruments	Identify and read a engineering rule and measuring tape, Use a engineering rule and measuring tape, Set caliper and divider, a combination set, a vernier (Inside, Outside, Depth), a vernier height gauge, a micrometer, a multimeter, a weighing scale.
2.	Hand Tools	Care and safe use of trade related hand tools e.g. a file, a hacksaw, a torque wrench, a screwdriver, Produce external threads, Produce internal threads, Perform a lay-out, Produce a work piece.
3.	Aircraft Hardware	Understand aircraft hardware, Use bolts nuts and washers, Use screws and fasteners, Safety aircraft hardware (Locking devices, keys and adhesives).
4.	Power Tools	Identify drill press parts, Drill and ream a hole, Identify bench grinder parts, Replace a grinding wheel, Grind a drill bit, use an acro torque (dead weight tester).
5.	Materials	Understand the properties, characteristics and composition of trade related materials.
6.	Soldering	Safety rules of soldering, Identify soldering equipment, boards used for soldering, the four steps to make a good solder joint, Prepare and solder various external connections, Identify and mount components on various boards, De-soldering techniques of components, Cleaning of soldered boards, Practical soldering and design, Solder a complete task
7.	Basic Electricity	Identify and Understand electronic components and their symbols. Identify diagrams, components views and connecting points, Identify and make up plugs and cables, Identify and Understand the application, operation and selection of fuses, Use and care of a multimeter. Interpret colour coding and, test resistors, Measure the voltage of dry cells, connected in series and parallel, Identify and Understand regulated dc power supply functions. Identify the characteristics of conductors and insulators, series and parallel connected resistors, capacitors and inductor circuits, measurement of voltage drops, the total resistance and total electrical current. Define and apply Ohms law and Kirchhoff's voltage and current law's, Troubleshoot series, parallel and series-parallel connected resistor circuits, Determine and measure internal resistance of batteries, Determine power in a dc load as well as maximum power transfer, understand the characteristics of magnetic fields in a wire Understand the effects of inducing voltage in a coil, Understand and verify the application of dc relays, Identify the characteristics of a dc meter movement, Determine current-meter shunts, Identify and understand triggered Oscilloscope functions, Understand effects of beam deflection by electrostatics and magnetism, Identify and understand audio frequency generator functions and measure the period of an

		<p>AC signal on an oscilloscope, Measure voltages using an oscilloscope, Perform conversions of p/p, Rms, Ave. and Peak values, Identify and Understand the characteristics of inductors, Measure frequency and phase difference using an oscilloscope, Determine total inductance of series and parallel inductors, Understand the characteristics and resistance test of transformers, Identify colour-coded capacitors, apply and test them, Determine the charge and discharge rate of a capacitor, Determine the reactance of a capacitor, Measure phase angle between voltage and current in a capacitive circuit, Determine the total capacitance of capacitors connected in series and in parallel, Determine the impedance of a series resistance inductance circuit, Determine the impedance of a series resistance capacitance circuit, Determine the impedance of a series resistance inductance capacitance circuit, Determine the impedance of a parallel resistance inductance and resistance capacitance circuit, Determine the impedance of a parallel resistance inductance capacitance circuit, Determine the frequency response of low and high pass filters.</p>
8.	Basic Electronics	<p>Identify, apply and test silicon and germanium rectifier and switching diodes, Identify, apply and test zener diodes, Identify, apply and test optoelectronic devices, Construct and prove clipper and clamper circuit outputs, Construct and test a half wave rectifier circuit, Construct, test and troubleshoot a transformer power supply and filter circuit, Construct and test a full wave bridge rectifier circuit, Identify and Understand transistor operation, Use of electronic component specification and replacement manuals, Test transistors and obtain equivalent specifications, Identify, build and troubleshoot transistor circuit configurations, Measure the gain and impedance of an emitter follower, Measure the gain of a c/e transistor amplifier, Measure i/o impedance of a transistor amplifier, Troubleshoot a c/e transistor amplifier circuit, Understand amplifier-coupling methods, Understand the operation of an audio power amplifier and loudspeaker, Construct a DC load line analysis of a transistor amplifier, Understand operation of a push-pull amplifier (class b), Understand operation of a complementary-symmetry push-pull power amplifier, Understand the operation of a JFET, Understand the operation of a SCR, Understand the operation of a TRIAC, Understand the operation of a DIAC, Construct and test a series voltage regulator circuit with current limiting, Understand the operation, construct and troubleshoot an a-stable multivibrator, Understand the operation, construct and troubleshoot a BI-stable multivibrator, Understand the operation, construct and troubleshoot a mono-stable multivibrator, Construct experimentally a sawtooth generator, Understand the operation and troubleshoot a Schmitt-trigger, Understand the operation of an operational amplifier, Understand operation of a Hartley oscillator</p>
9.	Basic Digitals	<p>Understand the common logic gates, symbols and truth tables,</p>

		<p>Perform binary conversions, add, subtract, multiply and division, Understand the function and use of the octal system, Understand the function and use of the hexadecimal system, Understand the conversion of binary to octal, Understand the conversion of binary to hexadecimal, Simplify logic expressions by using Boolean algebra, Simplify logic expressions by using Karnaugh maps, Understand the function of complements, Understand function and use of negative and positive diode logic gates, Identify and use measure negative and positive voltages and their logic states using a logic probe, Understand operation and use of the RS flip-flop, Understand operation and use of the D-type flip-flop, Understand operation and use of the JK flip-flop, Understand operation and use of the JK edge triggered flip-flop, Understand operation and use of the master-slave JK flip-flop, Understand operation and use of encoders and decoders, Explain the operation and function of registers, Explain the operation and function of counters, Understand the operation and use of the seven-segment display, Understand the operation and use of the half adder and full adder, Understand the operation and use of analogue to digital converters, Understand the operation and use of digital to analogue converters, Identify and Understand the use of: IC's, ROM, RAM, PROM's and EPROM's, Understand the function and use of multiplexers and demultiplexers, Understand the block diagram and functional description of a CPU in a basic computer system, Understand the application and use of a micro computer</p>
10.	Synchro and Servo's	Understand functional description of operation of a synchro and servo systems
11.	Theory of flight	Identify terms and definitions, Identify aircraft controls, Understand facts related to aircraft stability, Identify and Understand the operation of gas turbine engines, Identify and Understand the application of aircraft engine and flight instruments
12.	Aircraft Radio Communication	<ol style="list-style-type: none"> <li>1) Recall AF, VF, &amp; RF amplifiers operation.</li> <li>2) Recall frequency spectrum, frequency bands and ranges for MF, HF, VHF &amp; UHF.</li> <li>3) General Telephony, telegraphy, &amp; facsimile.</li> <li>4) Aircraft intercom and interphone systems</li> </ol>
13.	Aircraft and General Transmitters	Recall radio frequencies, radio frequency amplifiers and maximum power transfer with respect to antenna systems, List test equipment required to test and maintain AM transmitters, Explain the fundamentals of AM transmission, Explain the fundamentals of an AM carrier and applicable circuitry, Explain the fundamentals of AM modulation and AM sidebands, Explain the fundamentals of a FM carrier and the applicable circuitry, Explain FM deviation and FM sidebands, Explain the fundamentals of SSB transmission.
14.	Aircraft and General Receivers	List test equipment needed to test and maintain AM receivers, Explain the operation of AM reception.

		, Explain the operation of AM detection and applicable circuitry, Explain and measure receiver sensitivity levels, Explain and measure receiver squelch levels, Explain the operation of FM reception, Measure the sensitivity of a FM receiver, Explain FM detection and applicable circuitry, Explain the fundamentals of SSB reception
15.	AM Transceiver System Fault Diagnostics	Perform a methodical 4 <sup>th</sup> line level fault finding procedure on an AM transceiver
16.	Aircraft and General Antenna Systems in Communication	Recall the principle of operation of wave propagation and transmission paths, Identify and recall the characteristics and layers of the troposphere, stratosphere, and ionosphere at day and night time, Recall the principle of operation and radiation patterns of: Hertz, Marconi, Loop, Probe, Yagi, Log Periodic, and Parabolic antennas, Identify and locate various aircraft communication and navigation antennas, Construct a BNC-to-PI259 RF plug and coaxial cable, Construct an antenna, Measure the Standing Wave Ratio (SWR) of a given antenna type and frequency.
17.	Aircraft Navigational Aids Systems	Identify, locate, recall/explain the operation and the frequency bands/ranges of an <b>ADF SYSTEM</b> (Automatic Direction Finding), Identify, locate, recall/explain the operation and the frequency bands/ranges of a <b>DME SYSTEM</b> .(Slant Distance Measuring Equipment), Identify, locate, recall/explain the operation and the frequency bands/ranges of a <b>VOR SYSTEM</b> (VHF Omni-Range System) and the interaction with the NAV Test Unit and Jeppesen chart, Identify, locate, recall/explain the operation and the frequency bands/ranges of a <b>ILS SYSTEM</b> (Instrument Landing System) and marker beacon system.

## **COMPANY GUIDE OF TRADE CONTENT FOR AN AIRCRAFT RADIOTRICIAN**

<b>No</b>	<b>Description</b>	<b>Content Guide</b>
1	Workshop safety	Adhere to all safety procedures and precautions.
2	Company Documentation	The companies system eg jobcards spares procurement timecards etc.
3	Aircraft Documentation	Snagsheets, inspection sheets, logbooks, manuals, labels, bulletins, modifications, notams etc.
4	Transmitters	Fault finding, Servicing and repairs on AM and FM Transmitters (HF and VHF).
5	Receivers	Fault finding, Servicing and repairs on AM and FM Transmitters (HF and VHF).
6	Navigational Aids	Fault finding, Servicing and repairs on ADF, VOR, ILS, DME, Intercom and Interphone units and systems
7	Syncro's and Servos	Fault finding, Servicing and repairs of Syncro's and Servos.

# Transmitters

Category : Transmitters Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Transmitters Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Transmitters Main Task / Component: Remove / Install

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Transmitters Main Task / Component: Remove / Install

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Transmitters Main Task / Component: Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Transmitters Main Task / Component: Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

# Receivers

Category : Receivers Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Receivers Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Receivers Main Task / Component: Remove / Install

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Receivers Main Task / Component: Remove / Install

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Receivers Main Task / Component: Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Receivers Main Task / Component: Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

# **Navigational Aids**

Category :  Navigational aids  Main Task / Component:  Fault finding

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category :  Navigational aids  Main Task / Component:  Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category :  Navigational aids  Main Task / Component:  Remove / Install

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category :  Navigational aids  Main Task / Component:  Remove / Install

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category :  Navigational aids  Main Task / Component:  Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category :  Navigational aids  Main Task / Component:  Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

# **Synchros & Servos**

Category : Syncros & Servos Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Syncros & Servos Main Task / Component: Fault finding

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Syncros & Servos Main Task / Component: Remove / Install

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Syncros & Servos Main Task / Component: Remove / Install

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Syncros & Servos Main Task / Component: Service / Repair

Name of Trainee:		Identity №:	
Employer Name:		Training Year:	

Task №	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

Category : Syncros & Servos Main Task / Component: Service / Repair

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Supervisor: .....

**Trade Related  
Other**

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

# **Trade Related Basic Training**

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

Category : \_\_\_\_\_ Main Task / Component: \_\_\_\_\_

Name of Trainee:		Identity No:	
Employer Name:		Training Year:	

Task No	Description of Work Performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

Trainee: ..... Training Officer: .....

# SUMMARY OF WORK TRAINING EXPERIENCE

*Complete this form when you apply for your Trade Test Assessment.*

Name of Apprentice:.....

Date of Employment: ..... Period of Employment: ..... Weeks

<b>Transmitters</b>	
<b>Main Component / task</b>	<b>Total Hours</b>
Fault finding	
Removal / Installations	
Service / repair	
<b>Receivers</b>	
<b>Main Component / task</b>	<b>Total Hours</b>
Fault finding	
Removal / Installations	
Service / repair	
<b>Navigational aids</b>	
<b>Main Component / task</b>	<b>Total Hours</b>
Fault finding	
Removal / Installations	
Service / repair	
<b>Syncro's and Servos</b>	
<b>Main Component / task</b>	<b>Total Hours</b>
Fault finding	
Removal / Installations	
Service / repair	
Trade Related Other	
Trade Related Basic Training	
<b>Combined total of work experience hours</b>	

.....  
**APPRENTICE**

.....  
**TRAINING REPRESENTATIVE**

## SUMMARY OF BASIC TRAINING

*Complete this form when you apply for your Trade Test Assessment.*

Name of Apprentice:.....

Date of Employment: ..... Period of Employment: ..... Weeks

<b>Basics</b>	
<b>Main Component / task</b>	<b>Total Hours</b>
Measuring Instruments	
Hand Tools	
Aircraft Hardware	
Power Tools	
Materials	
Soldering	
Basic Electricity	
Basic Electronics	
Basic Digitals	
Synchro and Servo's	
Theory of flight	
Aircraft Radio Communication	
Aircraft and General Transmitters	
Aircraft and General Receivers	
AM Transceiver System Fault Diagnostics	
Aircraft and General Antenna Systems in Communication	
Aircraft Navigational Aids Systems	
<b>Combined total of work experience hours</b>	

.....  
**APPRENTICE**

.....  
**TRAINING REPRESENTATIVE**

# PRACTICAL TRAINING RECORD

<u>Company</u>	<u>Training Period</u>	
	<u>From</u>	<u>To</u>
.....	_____	_____
.....	_____	_____
.....	_____	_____
.....	_____	_____

## Contact Details

### Transport Education and Training Authority

Contact Person: Skills Development Unit  
Telephone №: (011) 781 1280  
Physical Address № 204 Sonsona Building  
344 Pretoria Road  
Randburg  
2125

Postal Address Private Bag X 0016  
Randburg  
2125

Note please do not abuse this contact, let your training representative contact T.E.T.A. should you have any queries.

### Aerospace Chamber

Telephone №: (011) 974 1756

**The following page is a Master Copy of your log sheet, DO NOT FILL IT IN !!! Use to make photo copies for your logbook**

Category : ..... Main Task / Component: .....

Name of Trainee:		Identity No	
Employer Name:		Training Year:	

Task No	Description of work performed & Type of Aircraft or Equipment	Repetitions of Task					Total hours	Sign & Stamp
		Rep/s						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						
		Rep/s						
		Hours						
		Date						

**Total Hours**

--

Trainee: ..... Supervisor: .....