NATIONAL COUNCIL FOR TECHNICAL EDUCATION



NOVEMBER 2022

PROPOSED OCCUPATIONAL STANDARDS

OCCUPATION: AIRCRAFT MAINTENANCE ENGINEERING TECHNICIAN (AIRFRAME & POWER-PLANT)

LEVEL: NTA 6

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FOREWORD

The National Council for Technical Education (NACTE) is a corporate body established by the National Council for Technical Education Act, Cap.129. The Act provides a legal framework for the Council to coordinate the provision of technical education and training in Tanzania. The mandate of NACTE is three-fold, namely; Regulatory, Quality Assurance and Policy Advisory.

In discharging its mandate, the Council has been charged with the responsibilities, among others, to:

- (a) assist technical institutions in the transmission of knowledge, principles and training in the field of technical education and training for the benefit of the people of Tanzania:
- (b) assist technical institutions in the overall development of the quality of education they provide and to promote and to maintain approved academic standards;
- (c) establish and make awards in technical education which are consistent in standard and comparable to related awards in Tanzania and internationally; and
- (d) ensure that the quality of education required for the awards is met and maintained throughout the duration of the delivery of the course.

In the course of execution of these responsibilities, the Council has been instituting various measures aiming at advancing the quality of training provided in technical institutions in respect of the changing demands of the labour market, both local and international.

To achieve the above obligation, NACTE, under the Ministry of Education, Science and Technology implemented the East Africa Skills for Transformation and Regional Integration Project (EASTRIP), a project aiming at promoting regional integration through supporting the regional corridors and sector markets, developing common standards and qualifications, and promoting mobility of students, faculty, and graduates. The project supports the Government of Tanzania to address shortage of skills in five sectors namely:

- (a) Energy;
- (b) Construction;
- (c) Information and Communication Technology (ICT);
- (d) Transportation; and
- (e) Agri-business.

To address the skills, miss-match and shortage in the five (5) sectors in the country, the project funded, among others, a component of Development of Occupational Standards for

Technical and Vocational Education and Training (TVET). In this regard, NACTE

endeavoured to identify qualified and highly experienced experts in the five sectors from both

the industry and training institutions to carry out the development of Occupational Standards.

The exercise was carried out at Morogoro Teachers College – Morogoro from 27th August to

24th September, 2021. The output of the exercise is Occupational Standards for 14

occupations. Occupational standards for Aircraft Maintenance Engineering Technician are

among the occupational standards which have been developed.

Since Occupational Standards are statements of work performance reflecting the ability to

successfully complete the functions required in an occupation, as well as the application of

knowledge, skills, attitudes and understanding in an occupation, it is the Council's

expectations that the developed standards will form a robust base for decision making and

provide explicit guidance to policy makers, curriculum developers, educators, employers and

other stakeholders in matters related to manpower planning as well as execution of Technical

and Vocational Education and Training undertakings.

Prof. J. W. Kondoro

CHAIRMAN

Dar es Salaam

NOVEMBER 2022

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ACKNOWLEDGEMENT

The National Council for Technical Education (NACTE) is charged with the mandate to be the Quality Assurance organ of the Government in matters related to Technical and Vocational Education and Training (TVET) and production of qualified manpower for both local and international labour markets. In order to realize this obligation, NACTE endeavours to institute policies, guidelines and standards and to set the quality benchmarks for training institutions.

However, this is only possible if there is a strong base, linking the training institutions on one hand and the demands of the industry/labour market for relevant manpower on the other hand. Therefore, the Council undertook a step to develop Occupational Standards in sectors considered to be the engine to steer the country's desire to achieve an industrial economy. This exercise would not be a success without the input and support from our stakeholders. I am indebted to acknowledge some of them here.

I wish to acknowledge and appreciate the support from the Ministry of Education, Science and Technology through the East Africa Skills for Transformation and Regional Integration Project (EASTRIP) for the financial support which facilitated the preparation of this document. I wish also to appreciate Mrs Leah Lukindo and Eng. Dr Simon Baregu for the tireless efforts and commitment in facilitating and guiding the standards development process, Ms. Eileen Tzamburakis, Ms. Chausiku Yakweli Ibrahim and Ms. Nuru Shirima for compiling and type setting the final document; and the NACTE Secretariat for coordinating the whole activity.

In a very special way, I wish further to extend my sincere gratitude to this team of wonderful experts who tirelessly dedicated their time and availed their invaluable intellect in the preparation of this document. I would like to recognise the colossal inputs of the following experts:

S/N Name Designation Organization

1	Eng. Frank Kapombe	Assistant Lecturer	National Institute of Transport (NIT)
2	Eng. Isaiah Camara	Certifying Aircraft Maintenance Engineer	Air Tanzania Company Limited (ATCL)
3	Eng. Abubakar Noor	Tutorial Assistant	National Institute of Transport (NIT)

In addition, the Council hopes to further enhance the internationalization of Occupational Standard and promote the modernization and internationalization of industries in Tanzania, so as to facilitate Tanzania's integration into the international market and tap its development potential. Therefore, the Council invited the China - Africa Vocational Education Alliance, China - Africa (Chongqing) Vocational Education Alliance, and Chinese vocational colleges to participate in the development, revision, and review of the Occupational Standard documents. It is firmly believed that they will provide strong support for the development of vocational education and related industries in Tanzania based on their rich experience in vocational education, relying on China's advanced and complete industrial chain as well as its status in the international market.

Therefore, I would like to express my heartfelt appreciation to this professional team composed of Chinese colleges, institutions and experts for their hard work and dedication. They've made great contributions to the compilation of this document. I would like to thank the following colleges and experts for their support.

S/N	Organization	Name	Professional Title/Field
1		Li Leibo	Senior Engineer/ Aviation
			Maintenance
2		Huang Jie	Professional Technology Level
			11/ Aviation Maintenance
3	Dongying Vocational Institute	Ma Baiping	Senior Engineer/ Aviation
			Maintenance
4		Ren	None/ Aviation Maintenance
		Qiangqiang	
5		Liu Li	Lecturer/ Aviation Maintenance
6		Kuang Linfeng	Engineer/ Aviation Maintenance
7		Li Yang	Senior Engineer/ Aviation
			Maintenance
8	Chongqing City Vocational	Zhang	Intermediate Engineer/ Aviation
	College	Jiechuan	Maintenance
9		Hu Zhigang	Senior Engineer/Aviation
			Manufacturing
10		Tan Mingwei	None/Aviation Material

Dr. A. B. Rutayuga **EXECUTIVE SECRETARY**

Dar es Salaam

NOVEMBER 2022

ABBREVIATIONS

AMM Aircraft Maintenance Manual

AMO Approved Maintenance Organization

AMP Approved Maintenance Program

AOA Angle of Attack

APU Auxiliary Power Unit

ELT Emergency Locator Transmitter

FIM Fault Isolation Manual

HP High Pressure

LP Low Pressure

MPM Maintenance Procedure Manual

MPU Magnetic Pick-up Unit

NACTE National Council for Technical Education

NOS National Occupational Standards

OS Occupational Standards

OSG Over-speed Governor

PBE Protective Breathing Equipment

PCU Pitch Control Unit

PEC Propeller Electronic Control

PPE Personal Protective Equipment

SRM Structural Repair Manual

TCAA Tanzania Civil Aviation Authority

TET Technical Education and Training

TVET Technical and Vocational Education and Training

GLOSSARY OF TERMS

Circumstantial Detailed knowledge, which allows the decision-making in

knowledge: regard to different circumstances and cross cutting issues

Competence: The ability to use knowledge, understanding, practical and

thinking skills to perform effectively to the workplace

standards required in employment.

Competency: A description of the ability one possesses when able to perform

a given occupational task effectively and efficiently.

Competency-based An instructional program that derives its content from validated

education: tasks and bases assessment on the learner's performance

Curriculum: A description or composite of statements about "what is to be

learned" by the trainee/student in a particular instructional programme; a product that states the "intended learning

outcomes".

Educational/Training The complete curriculum and instruction (what and how) that is

programme: designed to prepare a person for employment in a job or other

particular performance situation.

Occupation: A specific position requiring the performance of specific tasks

- essentially the same tasks are performed by all employees

having the same title. (Example: baker)

Occupational analysis: A process used to identify the tasks that are important to

employees in any given occupation

Occupational area This is a broad grouping of related jobs. Example: food service

Occupational Standards: Specific requirements of competences people are expected to

demonstrate in a particular occupational area, including knowledge and relevant attitudes. They also act as performance

tool of assessment of the pre – scribed outcomes.

Performance criteria: Indicate the expected end results or outcome in form of

evaluative statements.

Skill: The ability to perform occupational tasks with a high degree of

proficiency within a given occupation. Skill is conceived of as

a composite of three completely interdependent components:

cognitive, affective, and psychomotor.

Standard: it is a set of statements, which if proved true under working

conditions, means that an individual is meeting an expected

level and type of performance

Task analysis: The process of analysing each task to determine the steps,

related knowledge, attitudes, performance standards, tools and

materials needed, and safety concerns required of employees

performing it.

Task: A work activity that has a definite beginning and ending, is

observable or measurable, consists of two or more definite

steps, and leads to a product, service, or decision.

Underpinning This is crucial knowledge that an individual must acquire in

Knowledge: order to demonstrate competences that are associated in

performing a given task.

Verification: The process of having experts review and conform the

importance of the task (competency) statements identified

through occupational analysis. Other questions, such as the

degree of task learning difficulty are also frequently asked. This

process is also sometimes referred to as validation.

Occupational The application of knowledge and skills to perform consistently

Competence to the standards required in the work context.

1.0 INTRODUCTION

Technical Education and Training (TET) is one of the most important education sub-sectors in Tanzania, responsible for developing a skilled workforce to support the country's industrialization economic agenda. Tanzania's Development Vision 2025 intends to raise the country's economy to a middle-income status. This requires a skilled workforce that is aligned with the needs of the public and private sectors of the economy. The National Council for Technical Education has begun the job of drafting Occupational Standards that will eventually be adopted as National Occupational Standards for TET in order to ensure that it meets the needs of the labour market and the country's economic agenda.

National Occupational Standards (NOS) are performance criteria that are matched with labour market demands. Each National Occupation Standard describes functions, performance standards, and knowledge/understanding for one important function or task. They combine skills, knowledge, and attitudes to describe best practice. They are useful tools for establishing job roles, personnel recruiting, supervision, and appraisal, as well as TET standards. They're also helpful for benchmarking and harmonizing qualifications on a national and international level. Standards, in general, provide a solid framework for high-quality TET that is labour market-relevant, current and consistent in delivery across all public and private institutions.

However, it must be noted that, Occupational Standards and Training standards/qualifications standards are different. Occupational standards are defined in terms of activities performed by a person in a selected occupation (e.g., an electrical engineer designs electrical wiring circuits, performs trouble shooting in electrical wiring, etc.) and they are usually defined by employers following procedures agreed upon by all stakeholders. Education and training standards are developed from the activities defined in occupational standards, and they include learning objectives to ensure that the necessary skills and knowledge are developed by a person to enable him or her to function at an agreed level in an occupation. Education and Training standards are used to define curricula in training institutions. It is however critical that there must be a direct link between the occupational standards and the training standards to respond to demands of the labour market.

In TET delivery, Tanzania adopted the Competency-based Education and Training (CBET) approach. The CBET approach focuses on providing learners with the skills and knowledge required to meet the occupational standards. Occupational standards are thus the starting point for developing Competency-based Education and Training (CBET) programs. TET institutions will be required to benchmark their curricula with relevant occupational standards.

Occupational Standards are developed based on a given occupation's current and future demands. As a result, they serve as a means of bridging the gap between the worlds of employment and technical education and training (TET).

The Aircraft Maintenance Engineer Occupation has its own set of occupational standards. The document explains how the occupational standards were developed, as well as the scope, the occupational profile in the form of DACUM charts, and the Occupational Standards.

2.0 OCCUPATIONAL STANDARD DEVELOPMENT PROCESS

The Occupational standards development process began with an examination of major documents that guide Tanzanian skill development. The 10-year National Skills Development Strategy (2016-2026) was one of the documents reviewed, and it outlined six (6) economic sectors that should be prioritized when developing skills development programmes. These sectors include: Transport and logistics, Tourism and Hospitality, Agribusiness, Construction, Energy and ICT. NACTE labour market reports were also used in the literature review to determine the skills demand in the Tanzanian labour market as a whole.

After the literature review, a workshop comprised of expert workers and educators with substantial knowledge and experience in the occupation conducted an occupational analysis utilizing the DACUM approach to produce the occupational profile. The analysis resulted in DACUM Charts, which are attached as **Appendix 1** to this document.

The workshop thereafter continued with the development of occupational standards. Experts in Occupational Analysis and Occupational Standards Development facilitated the workshop. Interviews, online surveys, and a stakeholder forum were used to validate the occupational standards. Engineers, supervisory technicians on the job, and experienced Aircraft

Maintenance technicians were key informants in the survey to discover occupational trends. This information was used to gain insight from the workplaces regarding trends and changes in the profession, including how well graduates are prepared for working in the occupation. A total of online surveys were completed by experts from the labour market across the country. Apart from the survey aiding in defining the scope for the occupational analysis, they served to engage a wide cross-section of experts in the occupation. The stakeholders' forum was attended by participants from different parts of the country representing various companies.

3.0. THE SCOPE AND OVERVIEW OF THE OCCUPATION STANDARDS FORAIRCRAFT MAINTENANCE ENGINEERING TECHNICIAN

These standards cover a broad range of duties and tasks that can be performed by Aircraft Maintenance Engineering Technician. However, the occupational standards are not meant to replace individual job descriptions, they are to be used for guidance in defining skill levels and knowledge for the technician in specific settings or positions. The Aircraft Maintenance Engineering Technician may perform tasks in a number of key areas of the occupational standards, but not necessarily in all areas. For example, in large Approved Maintenance Organizations (AMO) other individuals may be employed or designated to perform specific tasks.

The Aircraft Maintenance Engineering Technician works in the Approved Maintenance Organization (AMO) to maintain, repair and service different aircrafts operating in the air transport industry. Air transport includes cargo-carrying and passenger-carrying aircraft, these aircrafts are called commercial aircrafts. Commercial aircraft move goods and people from one part of the world to the other through air, operated by a cadre of trained and qualified staff. There are many types of aircrafts and of various sizes, models, and different operating specifications. Aircraft Maintenance Engineering Technicians play an important role in ensuring compliance with airworthiness requirements of an aircraft in accordance with Tanzania Civil Aviation Authority (TCAA) Regulations. Aircraft Maintenance Engineering Technician covers the following duties under supervision of certifying Aircraft Maintenance Engineer:

- a) Perform routine cleaning of aircraft components and equipment, routine component replacement and maintenance of aircraft systems;
- b) Clean aircraft airframe structure, perform routine general visual inspection of aircraft airframe structure and maintenance of aircraft airframe structure;
- c) Clean auxiliary power unit and accessories, perform routine component replacement and maintenance of Aircraft Auxiliary Power Unit (APU);
- d) Clean piston engine and accessories, perform routine component replacement and maintenance of aircraft piston engine;
- e) Clean gas turbine engine and accessories, perform routine component replacement and maintenance aircraft gas turbine engine;

- f) Clean aircraft propeller and accessories, perform routine component replacement and maintenance of aircraft propellers;
- g) Verify aircraft airworthiness compliance with Tanzania Civil Aviation Regulations; and
- h) Perform aircraft ground handling operations.

The Occupational standards have been clustered into NTA qualification levels i.e. NTA level 4, 5 and 6

4.0. VALIDITY PERIOD

The occupational standards will be valid for 3-5 years due to the fast-changing nature of technology. The review will proceed in the same manner as the previous one, with new occupational standards being developed based on current labour market information

5.0. OCCUPATIONAL STANDARDS

5.1. OCCUPATIONAL STANDARDS FOR AIRCRAFT MAINTENANCE ENGINEERING TECHNICIAN (AIRFRAME & POWER-PLANT) NTA 6

ENGINEERING TECHNICIAN CODE	OCCUPATION	AIRCRA	FT MAINTENANCE	OCCUPATION	3143
AIRWORTHINESS COMPLIANCE WITH TCAA REGULATIONS TASK TITLE INSPECT RELEVANT ON-BOARD AIRCRAFT DOCUMENTS Performance criteria The person performing this task must be able to carry out inspection of relevant onboard aircraft documents as prescribed by TCAA regulations. The task will be performed in a hangar or ramp area under the supervision of a certifying Aircraft Maintenance Engineer. The following equipment, tools and materials will be needed in performing the task: Pen, File and TCAA regulations. EVIDENCE REQUIREMENTS PRACTICAL PERFORMANCE The person performing this task must be able to do the following: 1. Select tools for the task; 2. Observe health and safety when carrying out the task; 3. Observe Tanzania Civil Aviation Regulation; 4. Identify onboard aircraft documents which are due for renewal; 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;					
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carrying out the task; 3. Observe Tanzania Civil Aviation Regulation; 4. Identify onboard aircraft documents to be inspected; 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 1. Observe Tanzania Civil Aviation Regulation; 2.0. Principles The person must be able to explain the principles of: 2.1. Inspection of the onboard aircraft documents; 2.2. Validating of the onboard aircraft documents. 3.0. Theories The person must be able to explain: 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;					
 3. Observe Tanzania Civil Aviation Regulation; 4. Identify onboard aircraft documents to be inspected; 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 2.0. Principles The person must be able to explain the principles of: 2.1. Inspection of the onboard aircraft documents; 2.2. Validating of the onboard aircraft documents. 3.0. Theories The person must be able to explain: 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills; 		ety wnen	verify document validity.		
Aviation Regulation; 4. Identify onboard aircraft documents to be inspected; 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 4. Identify onboard aircraft documents; 2.1. Inspection of the onboard aircraft documents; 2.2. Validating of the onboard aircraft documents. 3.0. Theories 3.0. Theories 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;		:1	20 Principles		
 Identify onboard aircraft documents to be inspected; Inspect the relevant onboard aircraft documents as per TCAA regulations; Check documents validity; Remove and report documents which are due for renewal; Replace the removed documents; Return aircraft onboard documents to normal configuration; Inspection of the onboard aircraft documents; Determining validity of the onboard aircraft documents; Theories The person must be able to explain: TCAA regulations; Onboard aircraft documents. TCAA regulations; Onboard aircraft documents. TCAA regulations; Communication skills; Team spirit; Communication skills; Time management skills; 		11	•	ain the principles of	
documents to be inspected; 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 4.2. Validating of the onboard aircraft documents; 2.3. Determining validity of the onboard aircraft documents. 3.0. Theories The person must be able to explain: 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;	_	ıft	•		
 5. Inspect the relevant onboard aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 2.3. Determining validity of the onboard aircraft documents. 3.0. Theories 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills; 	=				
aircraft documents as per TCAA regulations; 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 3.0. Theories The person must be able to explain: 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;	_				cuments.
 6. Check documents validity; 7. Remove and report documents which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 1. TCAA regulations; 3.1. TCAA regulations; 3.2. Onboard aircraft documentation. 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills; 	_		Ç		
 Remove and report documents which are due for renewal; Replace the removed documents; Return aircraft onboard documents to normal configuration; TCAA regulations; Onboard aircraft documentation. Essential skills Team spirit; Communication skills; Time management skills; 	TCAA regulations;		3.0. Theories		
which are due for renewal; 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;					
 8. Replace the removed documents; 9. Return aircraft onboard documents to normal configuration; 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills; 					
documents; 9. Return aircraft onboard documents to normal configuration; 4.0. Essential skills 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills;		wal;	3.2. Onboard aircraft documentation.		
 9. Return aircraft onboard documents to normal configuration; 4.1. Team spirit; 4.2. Communication skills; 4.3. Time management skills; 			40 E 4:119		
documents to normal 4.2. Communication skills; configuration; 4.3. Time management skills;		1			
configuration; 4.3. Time management skills;		1	=		
			*		
10. Digit anotati documentation T.T. Communicity		ation	۶		
checklist; 4.5. Computer skills;		at1011			

11. Submit document checklist to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	4.6. Critical thinking skills;4.7. Problem solving skills;4.8. Ability to work under pressure.	
Description on the end products /	Inspection of the relevant onboard aircraft documents is	
service	performed as per TCAA regulations.	
Circumstantial knowledge	Safe handling of onboard aircraft documents	
	8	
	2. Extent of responsibility;	

	T MAINTENANCE RING TECHNICIAN	OCCUPATION CODE	3143
	ME & POWERPLANT)	CODE	
`	IRCRAFT'S	DUTY NO.	601
	THINESS COMPLIANCE		
WITH TC.	AA REGULATIONS		
TASK TITLE RELEASE	THE AIRCRAFT TO	TASK NO.	6012
	ON COMPLETION OF		
	ANCE ACTIVITIES		
	performing this task must be		
	ircraft to service after maintena	ance activities as per	r approved
Range Statement AMM. The task	will be performed in a han	cor or romp orco	under the
	of a certifying Aircraft Mainte		under me
	ving equipment, tools and i		needed in
	the task: Maintenance Work pa		1100000
	ENCE REQUIREMENTS	8	
PRACTICAL PERFORMANCE	UNDERPINNING KNOWI	LEDGE	
The person performing this task must	Detailed knowledge about:		
be able to do the following:	1.0. Methods		
1. Select tools for the task;	The person performing this task must be able to explain		
2. Observe health and safety when	how to review aircraft mainte	nance work package	
carrying out the task; 3. Observe Tanzania Civil Aviation	2.0. Principles		
Regulation;	2.0. Principles The person must be able to expending the person must be able to e	rolain the principles	of:
4. Review maintenance work package	2.1 Processing of the aircraf		
and job instruction cards as per	2.1 Trocessing of the differen	i mamicinance work	рискиде,
TCAA regulations;	2.2 Documenting of mainter	nance activities.	
5. Record the maintenance activities			
carried out;	2.0 151		
6. Handover paper work after	3.0. Theories	1	
completion of maintenance	The person must be able to ex 3.1 TCAA regulations;	xpiain:	
activities;	3.1 TCAA regulations,		
7. Submit maintenance work package	3.2 AMM;		
to certifying aircraft maintenance engineer for signing of aircraft	ŕ		
certificate of release to service.	3.3 Aircraft Work Package I	Documentation.	
of the of the office to be filed.			
	4.0. Essential skills		
	4.1 Communication skills;		
	Communication biding,		
	4.2 Time management skills;		
	4.3 Commitment;		

	4.4 Computer skills;		
	4.5 Critical thinking skills;		
	4.6 Problem solving skills;		
	4.7 Ability to work under pressure;		
	4.8 Interpersonal skills.		
Description on the end products /	Release of aircraft to service on completion of maintenance		
service	activities is processed as per MPM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

			NTENANCE	OCCUPATION	3143	
		RING TECHNICIAN		CODE		
DUTY TITLE	(AIRFRAME & POWERPLANT) MAINTAIN AIRCRAFT SYSTEMS			DUTY NO.	602	
TASK TITLE	PERFORM			TASK NO.	6021	
MAINTEN				TASK NO.	0021	
	CONDITIO					
Performance criteria			orming this task must be	able to carry out	scheduled	
1						
		maintenance of aircraft's air conditioning system as per approved AMM and AMP.				
Range Statement		vill b	pe performed in a hang	gar or ramp area	under the	
			ertifying Aircraft Mainten			
	-		equipment, tools and r	_	needed in	
			sk: Tool kit, Torque wre			
	and P.P.E.		•	_		
			E REQUIREMENTS			
PRACTICAL PERFORM			DERPINNING KNOWL	LEDGE		
The person performing this			iled knowledge about:			
be able to do the following:			Methods	1 .1		
1. Review maintenance wo	1 0	The person performing this task must be				
and job instruction card	•	able to explain how to:				
2. Select right tools, equip		1.1. Perform operational tests of air conditioning system;1.2. Use aircraft maintenance tool kit;				
safety gears for the task 3. Observe health and safe		1.3. Supply of power to the aircraft using ground power				
performing the task;	ty when	1.3.	unit.	incraft using ground	power	
4. Observe Tanzania Civil	Aviation		uiiit.			
Authority Regulation;	Aviation	2.0	Principles			
5. Supply power to the airc	eraft using		-	plain the principles	of·	
ground power unit;	orare asing	The person must be able to explain the principles of: 2.1. Operation of aircraft air conditioning system;				
6. Supply Air to the condit	ioning		Assembling and disasser			
system using ground air			air conditioning system;	C 1		
7. Energize air conditionin	g system;	2.3.	Determining serviceability	ity of air conditionin	g system.	
8. Use job instruction card	to perform					
inspection of:		3.0.	Theories			
a) Heat exchanger;			person must be able to ex	plain:		
b) Duct temperature se		3.1. TCAA regulations;				
c) Cabin temperature s	ensor;	3.2. Maintenance Procedures;				
d) Air condition ducts;		3.3.	Basic engineering drawing	ng.		
e) Outflow valves;		4.0	Eggan4ig1 -1-11			
f) Safety valves.	to nonform		Essential skills			
9. Use job instruction card check of:	to perform		Communication skills;			
			Time management skills Commitment;	,		
a) Air cycle machine;b) Ram air fan;			Commument; Computer skills;			
c) Condenser;			Critical thinking skills			
c) Condensei,		4.).	Chucai unnking skills			

d) Pack bypass valves;	4.6. Problem solving skills;
e) Pack flow control valves;	4.7. Ability to work under pressure;
f) Water collector;	4.8. Interpersonal skills.
g) Crew temperature sensor and	-
indicators.	
10. Carry out operational test;	
11. Return aircraft to normal	
configuration;	
12. Clean work area, tools and	
components;	
13. Store tools, equipment and safety	
gear appropriately;	
14. Sign job instruction cards and	
maintenance work package;	
15. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's air conditioning system
service	is performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION AIRCRAFT				OCCUPATION	3143
		RING TECHNICIAN		CODE	
	(AIRFRAM		/	D.Y. 100	60.2
DUTY TITLE		T SYSTEMS	DUTY NO.	602	
TASK TITLE	PERFORM			TASK NO.	6022
	MAINTEN.				
D 4	CONDITIO			11	1 1 1 1
Performance criteria				able to carry out un	
			t's air condition	ning system as per	approved
Dangs Statement	AMM and I		·		
Range Statement				gar or ramp area	under the
				tenance Engineer. materials will be	naadad in
				enches, Flashlight, V	
	Cotton rags		or kit, Torque wr	chelies, Plashinghi, V	viist strap,
			UIREMENTS		
PRACTICAL PERFORM			INNING KNOW	LEDGE	
The person performing this	task must	Detailed k	nowledge about	•	
be able to do the following:		1.0. Meth	ods		
1. Review aircraft technical	al logbook;	The person	performing this	task must be	
2. Identify defect on the air	r	able to explain how to:			
conditioning system;		1.1. Perfe	orm operational to	ests of the air condit	ioning
3. Select right tools, equip		syste	·		
safety gears for the task		1.2. Use aircraft maintenance tool kit;			
4. Observe health and safe	ety when	1.3. Supply of power to the aircraft using ground power			
performing the task;		unit.			
5. Observe Tanzania Civil	Aviation	2.0 D.:			
Authority Regulation;	anoft vain a	2.0. Principles The person must be able to explain the principles of:			
6. Supply power to the air ground power unit;	craft using	The person must be able to explain the principles of: 2.1. Operation of aircraft air conditioning system;			
7. Supply Air to the condi	tioning	2.2. Assembling and disassembling component of			
system using ground air	_				, 01
8. Energize air conditionir				lity of air conditioni	ng system.
9. Use FIM to troubleshoo	-	2.5. 5 6.611		ing of an condition	ng system.
a) Air distribution and		3.0. The	ories		
recirculation;			must be able to	explain:	
b) Avionics equipment ventilation;		•			
10. Rectify defect root cause;		3.2. Maintenance Procedures;			
11. Perform operational tes	3.3. Basic	engineering draw	ving.		
AMM;					
12. Return aircraft to norma		ential skills			
configuration;	4.1. Communication skills;				
13. Clean work area, tools a		management ski	lls;		
components;	4.3. Com				
14. Store tools, equipment a	and safety	4.4. Comj	outer skills;		

gear appropriately;	4.5. Critical thinking skills;		
15. Submit aircraft technical logbook to	4.6. Troubleshooting skills;		
certifying aircraft maintenance	4.7. Ability to work under pressure;		
engineer for signing of aircraft	4.8. Interpersonal skills.		
certificate of release to service.			
Description on the end products /	Unscheduled maintenance of aircraft's air conditioning		
service	system is performed as per AMM, FIM and TCAA		
	regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION		AFT MAINTENANCE	OCCUPATION	3143
		EERING TECHNICIAN AME & POWERPLANT)	CODE	
DUTY TITLE		AIN AIRCRAFT SYSTEMS	DUTY NO.	602
DOTTITLE	WIAINI	AIN AIRCRAFT STSTEMS	DUTT NO.	002
TASK TITLE		RM SCHEDULED	TASK NO.	6023
		ENANCE OF AIRCRAFT'S		
		YSTEM		
Performance criteria		son performing this task must be		
		ance of aircraft's fuel system	as per approved A	MM and
D Ct 4	AMP.			1 41
Range Statement		k will be performed in a har ion of a certifying Aircraft Mair		under the
	-	lowing equipment, tools and	_	naadad in
		ing the task: Tool kit, Torque		
), Fuel drain tool, Flashlight, Co		icici (Gas
		DENCE REQUIREMENTS	tton rugs und 1 .1 .2.	
PRACTICAL PERFORM		UNDERPINNING KNOWLI	EDGE	
The person performing this	task	Detailed knowledge about:		
must be able to do the follow	wing:	1.0. Methods		
1. Review maintenance wo	ork	The person performing this tas	k must be able to exp	olain how
package and job instruc	tion	to:		
cards;		1.1. Perform operational tests of the aircraft fuel system;		
2. Select right tools, equip		1.2. Use aircraft maintenance tool kit;1.3. Supply power to the aircraft using ground power unit.		
and safety gears for the		1.3. Supply power to the aircra	aft using ground pow	er unit.
3. Observe health and safe	ty when	2.0 Duin simless		
performing the task; 4. Observe Tanzania Civil		2.0. Principles:	alain tha minainlea at	r.
	ulation	The person must be able to exp		Į.
Aviation Authority Reg 5. Supply power to the airc		2.1. Operation of aircraft fuel system;2.2. Special specification for fuel system maintenance;		
using ground power uni		2.3. Assembling and disassem		
6. Use job instruction card		fuel system;	ioning component of	ancrare
perform inspection of:		2.4. Determining serviceabilit	v of aircraft fuel syst	em.
a) Fuel temperature ser	nsor;		, ,	
b) Fuel filters;		3.0. Theories:		
c) Fuel level sensors;		The person must be able to explain:		
d) Fuel quantity indica		3.1. TCAA regulations;		
e) Fuel tank heat excha	· ·	3.2. Maintenance Procedures;		
7. Use job instruction card	to	3.3. Basic engineering drawin	ıg.	
perform check of:				
a) Fuel feed system;	0	4.0. Essential skills		
b) Tank to tank fuel tra	inster	4.1. Communication skills;		
system;		4.2. Time management skills;		
c) Fuel computer;		4.3. Commitment;		
d) Fuel pumps;		4.4. Computer skills;		

e) Fuel drain valves; f) Cross feed valve; g) Fuel shut off valves; h) Main fuel tanks; i) Surge tanks; j) Fuel pressure sensors; 8. Carry out operational test as per AMM; 9. Return aircraft to normal configuration; 10. Clean work area, tools and components; 11. Store tools, equipment and safety gear appropriately; 12. Sign job instruction cards and maintenance work package; 13. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	 4.5. Critical thinking skills; 4.6. Problem solving skills; 4.7. Ability to work under pressure; 4.8. Interpersonal skills.
Description on the end products /	Scheduled maintenance of aircraft's fuel system is performed
service	as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	ENGINE	T MAINTENANCE ERING TECHNICIAN ME & POWERPLANT)	OCCUPATION CODE	3143
DUTY TITLE	MAINTA	IN AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE	PERFORM UNSCHEDULED MAINTENANCE ON AIRCRAFT'S FUEL SYSTEM TASK NO.			
Performance criteria	The person performing this task must be able to carry out unschedul maintenance of aircraft's fuel system as per approved AMM and FIM			
Range Statement	The task will be performed in a hangar or ramp area under supervision of a certifying Aircraft Maintenance Engineer. The following equipment, tools and materials will be needed performing the task: Tool kit, Torque wrenches, Flashlight, Wrist str. Cotton rags and P.P.E.			needed in
PRACTICAL PERFORM		ENCE REQUIREMENTS UNDERPINNING KNOWL	EDGE	
 The person performing this be able to do the following: Review aircraft technical logbook; Identify defect on the air system; Select right tools, equipment safety gears for the task; Observe health and safety performing the task; Observe Tanzania Civil Authority Regulation; Supply power to the airc ground power unit; 	l reraft fuel ment and y when Aviation	Detailed knowledge about: 1.0. Methods The person performing this ta how to: 1.1. Perform operational tes 1.2. Use aircraft maintenance 1.3. Supply of power to the a unit. 2.0. Principles The person must be able to ex 2.1. Operation of aircraft fue 2.2. Special specification fo 2.3. Determining serviceabi	ts of the aircraft fuel se tool kit; ircraft using ground plain the principles of system; r fuel system mainten	system; bower f: ance;
7. Use FIM to troubleshoot a) Fuel feed system; b) Fuel transfer system; 8. Rectify defect root cause 9. Perform operational test AMM; 10. Return aircraft to normal configuration; 11. Clean work area, tools at components; 12. Store tools, equipment a gear appropriately; 13. Submit aircraft technical to certifying aircraft mai	as per and and safety logbook	3.0. Theories The person must be able to ex 3.1. TCAA regulations; 3.2. Maintenance Procedure 3.3. Basic engineering draw 4.0. Essential skills 4.1. Communication skills; 4.2. Time management skill 4.3. Commitment; 4.4. Computer skills; 4.5. Critical thinking skills; 4.6. Troubleshooting skills;	plain: s; ing.	

engineer for signing of aircraft	4.7. Ability to work under pressure;		
certificate of release to service.	4.8. Interpersonal skills.		
Description on the end products /	Unscheduled maintenance of aircraft's fuel system is		
service	performed as per AMM, FIM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	AIRCRAFT	MAINTENANCE	OCCUPATION	3143	
		RING TECHNICIAN	CODE		
		E & POWERPLANT)		50.5	
DUTY TITLE	MAINTAIN	N AIRCRAFT SYSTEMS	DUTY NO.	602	
TASK TITLE		SCHEDULED	TASK NO.	6025	
		MAINTENANCE OF AIRCRAFT'S			
D 6		ONTROL SYSTEM	1	1 1 1	
Performance criteria		performing this task must be all e of aircraft's flight control sys			
	and AMP.	e of afferant's flight control sys	tem as per approved	AIVIIVI	
Range Statement	The task wi	ll be performed in a hangar or i	amp area under the		
		of a certifying Aircraft Mainte			
		ng equipment, tools and materi	als will be needed in	ı	
	performing		G 1 '.	т 1	
		ter, Rigging pins, Force gauge,		Lock	
		et de-actuator, Torque wrench: ENCE REQUIREMENTS	and I ool Kit.		
PRACTICAL PERFOR		UNDERPINNING KNOWI	FDCF		
		Detailed knowledge about:	LEDGE		
The person performing this task must be able to do the following:		1.0. Methods			
1. Review maintenance work package		The person performing this ta	sk must be able to e	xplain	
and job instruction cards;		how to:		P	
2. Select right tools, equipment and		1.1. Perform operational tests	s of aircraft flight co	ntrol	
safety gears for the task;		system;	C		
3. Observe health and sat	fety when	1.2. Use aircraft maintenance	e tool kit;		
performing the task;		1.3. Supply of power to the a	ircraft using ground	power	
4. Observe Tanzania Civ	il Aviation	unit.			
Authority Regulation;					
5. Supply power to the air	rcraft using	2.0. Principles		2	
ground power unit;		The person must be able to ex		of:	
6. Energize flight control		2.1. Operation of aircraft flig		4 1	
7. Use Job Instruction Camaintain:	ira to	2.2. Determining serviceabil	ity of aircraft flight	control	
a) Aileron and ailero	n trim control	system; 2.3. Assembling and disasse	mhling component c	of flight	
system;	ii tiiii control	control system.	mornig component c	n mgm	
b) Rudder and rudde	ertrim control	control system.			
system;		3.0. Theories			
c) Elevator and tab co	ontrol system;	The person must be able to ex	xplain:		
d) Horizontal stabilizer trim		3.1. TCAA regulations;	-		
control system;		3.2. Maintenance Procedures	s;		
e) Flight spoiler contr	•	3.3. Basic engineering drawi	ing.		
f) Speed brake contro	ol system;				
		4.0. Essential skills			
8. Carry out operational t	test as per	4.1. Communication skills;			

AMM;	4.2. Time management skills;
9. Return aircraft to normal	4.3. Commitment;
configuration;	4.4. Computer skills;
10. Clean work area, tools and	4.5. Critical thinking skills;
components;	4.6. Problem solving skills;
11. Store tools, equipment and safety	4.7. Ability to work under pressure;
gear appropriately;	4.8. Interpersonal skills.
12. Sign job instruction cards and	
maintenance work package	
13. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's flight control system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION			NTENANCE	OCCUPATION	3143
			TECHNICIAN	CODE	
DUTY TITLE			POWERPLANT) CRAFT SYSTEMS	DUTYNO	602
DUTY TITLE	MAINTAIN	N AIK	CRAFI SYSTEMS	DUTY NO.	602
TASK TITLE	PERFORM	UNS	CHEDULED	TASK NO.	6026
			E OF AIRCRAFT'S		
			OL SYSTEM		
Performance criteria			rming this task must be		
	maintenance and FIM.	e of a	ircraft's flight control s	ystem as per appro	ved AMM
Range Statement			e performed in a hang		under the
			ertifying Aircraft Mainter		
			equipment, tools and r		
			sk: Tension meter, Riggi		
	· -		collar, Target de-actuator	, Torque wrench and	d Tool kit.
DD A CTICAL DEDECOM			REQUIREMENTS	EDCE	
PRACTICAL PERFORM		-	ERPINNING KNOWL	LUGE	
The person performing this be able to do the following:			iled knowledge about: Methods		
1. Review aircraft technica				ck must be able to ex	vnlain
2. Identify defect on the ai		The person performing this task must be able to explain how to:			
control system;	retait ingit	1.1. Perform operational tests of the flight control system;			
3. Select right tools, equip	ment and	1.2.	Use aircraft maintenance		or system,
safety gears for the task		1.3.	Supply of power to the		d power
4. Observe health and safe			unit.		- r - · ·
performing the task;	J				
5. Observe Tanzania Civil	Aviation	2.0.	Principles:		
Authority Regulation;		The	person must be able to ex	plain the principles	of:
6. Supply power to the airc	craft using	2.1.	Operation of aircraft flig	tht control system;	
ground power unit;		2.2.	Determining serviceabil	ity of aircraft flight o	control
7. Energize flight control s	•		system;		
8. Use FIM to troubleshoo		2.3.	Assembling and disasser	mbling components	of flight
a) Aircraft flight control	•	2.4	control system;	O: 1 1	
9. Carry out operational te AMM;	st as per	2.4.	Troubleshooting aircraft	flight control system	n.
10. Return aircraft to norma	ıl	3.0.	Theories		
configuration;			person must be able to ex	plain:	
11. Clean work area, tools a	ınd		TCAA regulations;		
components;	1 0		Maintenance Procedures		
12. Store tools, equipment a	and safety	3.3.	Basic engineering drawi	ng.	
gear appropriately;	11 1 1 .	4.0	T (* 1.1*)		
13. Submit aircraft technica			Essential skills		
certifying aircraft maint			Communication skills;		
engineer for signing of aircraft		4.2.	Time management skills	;	

certificate of release to service.	4.3. Commitment;		
	4.4. Computer skills;		
	4.5. Critical thinking skills;		
	4.6. Troubleshooting skills;		
	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description on the end products /	Unscheduled maintenance of aircraft's flight control system		
service	is performed as per AMM, FIM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION			MAINTENANCE	OCCUPATION	3143	
	ENGINEERING TECHNICIAN			CODE		
	(AIRFRAME & POWERPLANT) MAINTAIN AIRCRAFT SYSTEMS			DUTYNO	(02	
DUTY TITLE	MAINIA	AIN A	AIRCRAFT SYSTEMS	DUTY NO.	602	
TASK TITLE	PERFOR	RM SO	CHEDULED	TASK NO.	6027	
			NCE OF AIRCRAFT'S		0027	
		HYDRAULIC SYSTEM				
Performance criteria	The pers	son po	erforming this task must be	e able to carry out	scheduled	
	maintena	maintenance of aircraft's hydraulic system as per approved AMM and				
	AMP.					
Range Statement			l be performed in a hang		under the	
			a certifying Aircraft Mainter			
			g equipment, tools and r			
	1	_	te task: P.P.E, Tool kit,	Forque wrench, Co	tton rags,	
			ohol and seals.			
DD A CTICAL DEDECORA			ICE REQUIREMENTS	DCE		
PRACTICAL PERFORM			DERPINNING KNOWLEI	DGE		
The person performing this			ailed knowledge about: Methods			
must be able to do the follo 1. Review maintenance we	_			must be oble to eval	oin horr	
		to:	person performing this task	must be able to expi	alli ilow	
package and job instruction cards;			Perform operational tests of	f the aircraft hydraul	ic system	
2. Select right tools, equip	ment and	1.1.	Use aircraft maintenance to		ic system	
safety gears for the task;					ower unit.	
3. Observe health and safe		1.2.	supply of power to the un-	erare asing ground p	ovver anne.	
performing the task;		2.0.	Principles			
4. Observe Tanzania Civil	Aviation		person must be able to expla	ain the principles of:		
Authority Regulation;		2.1.	-			
5. Supply power to the air	craft	2.2.	Assembling and disassemble	oling component of a	nircraft	
using ground power uni			hydraulic system;			
6. Use job instruction card	l to	2.3.	.	•	•	
perform inspection of:		2.4.	Special Precautions for hy	draulic system main	tenance.	
a) Hydraulic filters;		2.0				
7. Use job instruction card	l to		Theories			
perform check of:		The person must be able to explain:				
a) Hydraulic reservoir:		3.1. TCAA regulations;				
b) Hydraulic level sens			Maintenance Procedures;			
c) Engine driven hydra pumps;	ium	3.3.	Basic engineering drawing.	•		
d) Electric hydraulic p	umps; 4.0. Essential skills					
e) Hydraulic pipes;	r~,		Communication skills;			
f) Hydraulic pressure	sensors;		Time management skills;			
g) Hydraulic isolation			Commitment;			
h) Hydraulic shut off v			Computer skills;			

i) Hydraulic pressure relief	4.5. Critical thinking skills;
valves;	4.6. Problem solving skills;
j) Hydraulic temperature	4.7. Ability to work under pressure;
sensors;	4.8. Interpersonal skills.
k) PTU.	
8. Use job instruction card to	
maintain:	
 a) Hydraulic accumulator; 	
b) Ram air turbine (hydraulic);	
c) Hydraulic heat exchanger;	
d) Alternate extension hydraulic	
system;	
9. Carry out operational test as per	
AMM;	
10. Return aircraft to normal	
configuration;	
11. Clean work area, tools and	
components;	
12. Store tools, equipment and safety	
gear appropriately;	
13. Sign job instruction cards and	
maintenance work package;	
14. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for signing	
of aircraft certificate of release to	
service.	
Description on the end products /	Scheduled maintenance of aircraft's hydraulic system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIDCDAET	MAINTENANCE	OCCUPATION	3143
OCCUPATION		RING TECHNICIAN	CODE	3143
			CODE	
		E & POWERPLANT)	DUTYNO	602
DUTY TITLE	MAINTAIN	N AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE		UNSCHEDULED	TASK NO.	6028
		ANCE ON AIRCRAFT		
		LIC SYSTEM		
Performance criteria	_	performing this task must be	•	
		e of aircraft's hydraulic system	n as per approved	AMM and
	FIM.			
Range Statement		will be performed in a hang		under the
		of a certifying Aircraft Mainte		
		ring equipment, tools and r		
		the task: Tool kit, Torque wre	enches, Flashlight, V	Wrist strap,
	Cotton rags			
		ENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWI	ÆDGE	
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review aircraft technic	·	The person performing this task must be able to explain		
2. Identify defect on the aircraft		how to:	0.1 1 0.0 1	
hydraulic system;	. 1	1.1. Perform operational tests		system;
3. Select right tools, equip		1.2. Use aircraft maintenance	*	
safety gears for the task		1.3. Supply of power to the a	ircraft using ground	power
4. Observe health and safe	ety when	unit.		
performing the task;		20 B: :1		
5. Observe Tanzania Civil	Aviation	2.0. Principles	1 ' .1 ' ' 1	C
Authority Regulation;	c ·	The person must be able to explain the principles of:		
6. Supply power to the air	craft using	2.1. Operation of aircraft hydraulic system;2.2. Determining serviceability of aircraft hydraulic		
ground power unit;	4 1		ity of afferalt hydrat	inc
7. Use FIM to troubleshoo	n nyuraune	system;	aviduavilia aviatama maa	intononos
system; 8. Use AMM to check:		2.3. Special Precautions for l	iyaraane system ma	innenance.
a) Hydraulic isolation	ນດໃນລະ	3.0. Theories:		
b) Hydraulic shut off v			nlain:	
c) Hydraulic pressure		The person must be able to explain: 3.1. TCAA regulations;		
d) Leak on hydraulic p		3.2. Maintenance Procedures;		
9. Rectify defect root cause;		3.2. Maintenance Procedures, 3.3. Basic engineering drawing.		
10. Perform operational tes	•	busic engineering drawing	······································	
AMM;	P	4.0. Essential skills		
11. Return aircraft to norma	n1	4.1. Communication skills;		
configuration;		4.2. Time management skills	5:	
12. Clean work area, tools a	and	4.3. Commitment;	,	
components;	· 	4.4. Computer skills;		

13. Store tools, equipment and safety	4.5. Critical thinking skills;
gear appropriately;	4.6. Troubleshooting skills;
14. Submit aircraft technical logbook to	4.7. Ability to work under pressure;
certifying aircraft maintenance	4.8. Interpersonal skills.
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Unscheduled maintenance of aircraft's hydraulic system is
service	performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCRAFT	MAINTENANCE	OCCUPATION	3143
OCCUPATION		RING TECHNICIAN	CODE	3173
		E & POWERPLANT)	CODE	
DUTY TITLE		N AIRCRAFT SYSTEMS	DUTY NO.	602
DOTT TITLE	WAINTAII	VAIRCRAFT STSTEMS	DOTT NO.	002
TASK TITLE	PERFORM	SCHEDULED	TASK NO.	6029
		ANCE OF AIRCRAFT'S	THOIL IVO.	0029
	OXYGEN S			
Performance criteria		performing this task must be	e able to carry out	scheduled
		e of aircraft's oxygen system		
	AMP.	, ,		
Range Statement	The task v	will be performed in a hang	gar or ramp area	under the
	supervision	of a certifying Aircraft Mainte	nance Engineer.	
		ring equipment, tools and a		
	1	the task: P.P.E, Torque wi	rench, Tool kit ar	nd Manual
	deployment			
DD - COVC - V DUDIODA		ENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWI	LEDGE	
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review maintenance wo		The person performing this task must be able to explain how to:		
and job instruction cards			to of the oversom are	t a.m
2. Select right tools, equip safety gears for the task		1.1. Perform operational tes1.2. Use aircraft maintenance		tem;
3. Observe health and safe		1.3. Supply of power to the a		nower
performing the task;	ty when	unit.	merani using ground	power
4. Observe Tanzania Civil	Aviation	unit.		
Authority Regulation;	7111441011	2.0. Principles		
5. Supply power to the airc	eraft using	The person must be able to ex	plain the principles	of:
ground power unit;	C	2.1. Operation of aircraft oxygen system;		
6. Use Job Instruction Card	d to	2.2. Determining serviceability of oxygen system;		
maintain:		2.3. Assembling and disassembling components of aircraft		
a) Crew oxygen cylind		oxygen system;		
b) Protective breathing	equipment	2.4. Special Precautions for	Oxygen System mai	ntenance.
(PBE);	1	2.0 77		
c) Aircraft flight contro	•	3.0. Theories		
d) Oxygen-Mask Stora	•	The person must be able to explain:		
e) Passenger Mask Release;7. Use Job Instruction Card to inspect:		3.1. TCAA regulations;3.2. Maintenance Procedures;		
7. Use Job Instruction Card a) Oxygen delivery pip	-	3.3. Basic engineering drawi	·	
b) Oxygen quantity ind		3.3. Dasic engineering drawi	11g.	
8. Carry out operational te		4.0. Essential skills		
AMM;	or an per	4.1. Communication skills;		
-	ıl			
9. Return aircraft to norma	<u>.l</u>	4.2. Time management skills	8;	

configuration;	4.3. Commitment;
10. Clean work area, tools and	4.4. Computer skills;
components;	4.5. Critical thinking skills;
11. Store tools, equipment and safety	4.6. Problem solving skills;
gear appropriately;	4.7. Ability to work under pressure;
12. Sign job instruction cards and	4.8. Interpersonal skills.
maintenance work package;	
13. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's oxygen system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION		FT MAINTENANCE ERING TECHNICIAN	OCCUPATION CODE	3143
	(AIRFRA	AME & POWERPLANT)		
DUTY TITLE	MAINTA	AIN AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE		M UNSCHEDULED	TASK NO.	60210
		ENANCE OF AIRCRAFT'S		
D 6 '4 '		N SYSTEM	11 ,	1 1 1 1
Performance criteria	maintena	on performing this task must be nce of aircraft's oxygen system	•	
Range Statement	FIM.	will be performed in a hang	ar or ramp area	under the
Kange Statement		on of a certifying Aircraft Mainte		under me
	-	owing equipment, tools and r	<u> </u>	needed in
		ng the task: P.P.E, Torque wi		
	deployme	ent tool.	,	
	EVI	DENCE REQUIREMENTS		
PRACTICAL PERFORM	IANCE	UNDERPINNING KNOWLE	DGE	
The person performing this		Detailed knowledge about:		
must be able to do the follow	-	1.0. Methods		
1. Review aircraft technica	ાી	The person performing this task	must be able to expl	ain how
logbook;	C	to:	c : c	
2. Identify defect on the ai	rcraft	1.1. Perform operational tests of		stem;
oxygen system;	mant and	1.2. Use aircraft maintenance t1.3. Supply of power to the airc	· · · · · · · · · · · · · · · · · · ·	wan unit
3. Select right tools, equip safety gears for the task		1.5. Suppry of power to the arre	ran using ground po	wei uiiit.
4. Observe health and safe		2.0. Principles		
performing the task;	· j · · · · · · · · · · · · · · · · · ·	The person must be able to expla	ain the principles of:	
5. Observe Tanzania Civil	Aviation	2.1. Operation of aircraft oxygen system;		
Authority Regulation;		2.2. Determining serviceability of		
6. Supply power to the airc		2.3. Assembling and disassembl	ing components of a	ircraft
using ground power uni		oxygen system;		
7. Use FIM to troubleshoo system;	t oxygen	2.4. Special Precautions for Oxy	gen System mainten	ance.
8. Check oxygen delivery	pipes as	3.0. Theories		
per AMM;		The person must be able to expla	ain:	
9. Carry out operational te	st as per	3.1. TCAA regulations;		
AMM;		3.2. Maintenance Procedures;		
10. Return aircraft to norma configuration;	ıl	3.3. Basic engineering drawing		
11. Clean work area, tools a	nd	4.0. Essential skills		
components;		4.1. Communication skills;		
12. Store tools, equipment a	and safety	4.2. Time management skills;		
gear appropriately;		4.3. Commitment;		
		4.4. Computer skills;		

13. Submit aircraft technical logbook	4.5. Critical thinking skills;		
to certifying aircraft maintenance	4.6. Troubleshooting skills;		
engineer for signing of aircraft	4.7. Ability to work under pressure;		
certificate of release to service.	4.8. Interpersonal skills.		
Description on the end products /	Unscheduled maintenance of aircraft's oxygen system is		
service	performed as per AMM, FIM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	AIRCRAFT	MAI	NTENANCE	OCCUPATION	3143
			TECHNICIAN	CODE	
			POWERPLANT)		
DUTY TITLE	MAINTAIN	N AIR	CRAFT SYSTEMS	DUTY NO.	602
TASK TITLE	PERFORM			TASK NO.	60211
			E OF AIRCRAFT'S		
		ICE AND RAIN PROTECTION			
	SYSTEM			1.1	1 1 1 1
Performance criteria			orming this task must be		
	AMM and A		ircraft's ice and rain prot	ection system as per	r approved
Danga Statement			pe performed in a hang	70# 0# #0### 0#00	under the
Range Statement			ertifying Aircraft Mainte		under the
	-		equipment, tools and r	_	needed in
		_	sk: P.P.E, Torque wrench		necded in
			E REQUIREMENTS	dia 1001 kit.	
PRACTICAL PERFORM			DERPINNING KNOWI	EDGE	
The person performing this		-	niled knowledge about:		
be able to do the following:			Methods		
1. Review maintenance we	ork package	The	person performing this ta	sk must be able to ex	xplain
and job instruction card	s;	how	to:		
2. Select right tools, equip			Perform operational tes		tem;
safety gears for the task		1.2.	Use aircraft maintenand	· · · · · · · · · · · · · · · · · · ·	
3. Observe health and safe	ety when	1.3.	Supply of power to the	aircraft using ground	d power
performing the task;			unit.		
4. Observe TCAA regulati		2.0	D		
5. Supply power to the air	craft using		Principles	1 ' .1 ' ' 1	C
ground power unit;	.14.		person must be able to ex		OI:
6. Use Job Instruction Car maintain:	a to		Operation of aircraft ice		ratam.
a) De-icing timer unit	control:	2.2. Determining serviceability of ice and rain system;2.3. Assembling and disassembling components of aircra			
b) Ice detection system		2.3.	ice and rain system.	morning components	or ancian
c) Windshield wiper sy			ree and ram system.		
7. Use Job Instruction Car		3.0.	Theories		
a) Airframe deicer boo	-		person must be able to ex	plain:	
b) Engine intake deice	*	3.1. TCAA regulations;			
c) Windshields and pil		3.2. Maintenance Procedures;			
window panels;	, <u> </u>		Basic engineering drawi	ng.	
d) Pitot-static probe he					
e) Angle of attack heat		4.0.	Essential skills		
f) Static probes heater	•		Communication skills;		
g) Propeller blade heat			Time management skills	5 ;	
h) Brush block, bracke	t unit and		Commitment;		
slip rings;		4.4.	Computer skills;		

i) Ice detector probes;	4.5. Critical thinking skills;
j) Drain mast ice protection;	4.6. Problem solving skills;
8. Carry out operational test as per	4.7. Ability to work under pressure;
AMM;	4.8. Interpersonal skills.
9. Return aircraft to normal	
configuration;	
10. Clean work area, tools and	
components;	
11. Store tools, equipment and safety	
gear appropriately;	
12. Sign job instruction cards and	
maintenance work package;	
13. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's ice and rain system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	ENGINEER	RING	NTENANCE TECHNICIAN	OCCUPATION CODE	3143
DUTY TITLE			POWERPLANT) CRAFT SYSTEMS	DUTY NO.	602
		, , , , , , ,			002
TASK TITLE			CHEDULED	TASK NO.	60212
			E OF AIRCRAFT'S		
	SYSTEM	ICE AND RAIN PROTECTION SYSTEM			
Performance criteria	The person		rming this task must be		
	AMM and I		ircraft's ice and rain prot	ection system as pe	r approved
Range Statement			pe performed in a hang	par or ramp area	under the
			ertifying Aircraft Mainte		
	-		equipment, tools and 1	_	needed in
	performing	the ta	sk: P.P.E, Torque wrench		
	EVID	ENCE	E REQUIREMENTS		
PRACTICAL PERFORM	IANCE		DERPINNING KNOWI	LEDGE	
The person performing this			niled knowledge about:		
be able to do the following:			Methods	1 .1 11 .	1 .
1. Review aircraft technica		The person performing this task must be able to explain			
2. Identify defect on the ai and rain protection systems		how to: 1.1. Perform operational tests of aircraft ice and rain			
3. Select right tools, equip		1.1.	protection system;	is of afferant fee and	Taili
safety gears for the task		1.2.	Use aircraft maintenance	ee tool kit:	
4. Observe health and safe		1.3.	Supply of power to the		d power
performing the task;	•		unit.		•
5. Observe Tanzania Civil	Aviation				
Authority Regulation;			Principles		_
6. Supply power to the airc	eraft using	The person must be able to explain the principles of:			
ground power unit;	4.	2.1. Operation of aircraft ice and rain protection system;2.2. Determining serviceability of aircraft ice and rain			
7. Use FIM to troubleshoo a) Ice detection system		2.2.	protection system;	ity of aircraft ice and	ı raın
b) Windshield wiper sy	•	2 3	Assembling and disasses	mhling components	of aircraft
c) De-icing timer unit		2.3.	ice and rain protection s	<u> </u>	or unorum
8. Carry out operational te			. F	,	
AMM;	1	3.0.	Theories		
9. Return aircraft to normal		The person must be able to explain:			
configuration;			TCAA regulations;		
10. Clean work area, tools a	and	3.2. Maintenance Procedures;			
components;	and and stre	3.3.	Basic engineering drawi	ng.	
11. Store tools, equipment a gear appropriately;	ma saiety				
gear appropriatery,					
		4.0.	Essential skills		

12. Submit aircraft technical logbook to	4.1. Communication skills;		
certifying aircraft maintenance	4.2. Time management skills;		
engineer for signing of aircraft	4.3. Commitment;		
certificate of release to service.	4.4. Computer skills;		
	4.5. Critical thinking skills;		
	4.6. Troubleshooting skills;		
	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description on the end products /	Unscheduled maintenance of aircraft's ice and rain		
service	protection system is performed as per AMM, FIM and		
	TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	AIRCRAFT	MAINTENANCE	OCCUPATION	3143
		ING TECHNICIAN	CODE	01.0
	(AIRFRAM	E & POWERPLANT)		
DUTY TITLE	MAINTAIN	AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE	PERFORM	SCHEDULED	TASK NO.	60213
		ANCE OF AIRCRAFT'S		
	PNEUMAT	IC SYSTEM		
Performance criteria	The person	performing this task must b	 	scheduled
T CITOTINANCE CITCEIN		of aircraft's pneumatic syste		
	AMP.			
Range Statement		vill be performed in a han		under the
		of a certifying Aircraft Mainte	\mathbf{c}	1 1 .
		ing equipment, tools and		needed in
		he task: P.P.E, Tool kit, Torqu	ie wrench and seals.	
PRACTICAL PERFORM		CNCE REQUIREMENTS UNDERPINNING KNOWI	FDCF	
			ZEDGE	
The person performing this be able to do the following:		Detailed knowledge about: 1.0. Methods		
1. Review maintenance wo		The person performing this task must be able to explain		
and job instruction cards		how to:		
2. Select right tools, equip		1.1. Perform operational tests of the aircraft pneumatic		
safety gears for the task	;	system;		
3. Observe health and safe	ty when	1.2. Use aircraft maintenance		
performing the task;		1.3. Supply of power to the a	ircraft using ground	power
4. Observe Tanzania Civil	Aviation	unit.		
Authority Regulation;	c ·	20 P: : 1		
5. Supply power to the airc	craft using	2.0. Principles	1	- C.
ground power unit; 6. Use job instruction card	to	The person must be able to explain the principles of: 2.1. Operation of aircraft pneumatic system;		
maintain:	10	2.1. Operation of afferant pheumatic system, 2.2. Assembling and disassembling component of aircraft		
a) Engine bleed air sys	tem:	pneumatic system;	moning component o	i un orari
b) APU bleed air system	•	2.3. Determining serviceabil	ity of aircraft pneum	atic
c) Bleed ducts;	,	system.	J	
d) Bleed air check valv	es;	•		
e) Pneumatic system le	eak;	3.0. Theories		
		The person must be able to ex	-	
7. Use job instruction card	to inspect:	3.1. Tanzania Civil Aviation Authority;		
a) Bleed air valves;		3.2. Maintenance Procedure		
b) HP shut off valves;		3.3. Basic engineering draw	ing.	
c) Flow sensor;	ang one			
d) Flow temperature see) Pneumatic valve;	iisoi,			
8. Carry out operational te	st as ner	4.0. Essential skills		
6. Carry out operational te	or as per	Educated Distill		

AMM;	4.1. Communication skills;
	4.2. Time management skills;
9. Return aircraft to normal	4.3. Commitment;
configuration;	4.4. Computer skills;
10. Clean work area, tools and	4.5. Critical thinking skills;
components;	4.6. Problem solving skills;
11. Store tools, equipment and safety	4.7. Ability to work under pressure;
gear appropriately;	4.8. Interpersonal skills.
12. Sign job instruction cards and	
maintenance work package;	
13. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's pneumatic system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	ENGINEER	MAINTENANCE RING TECHNICIAN	OCCUPATION CODE	3143
	(AIRFRAM	E & POWERPLANT)		
DUTY TITLE	MAINTAIN	N AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE		UNSCHEDULED	TASK NO.	60214
		ANCE OF AIRCRAFT'S IC SYSTEM		
Performance criteria		performing this task must be	able to carry out u	nscheduled
		e of aircraft's pneumatic syste		
Range Statement		will be performed in a hang	gar or ramp area	under the
		of a certifying Aircraft Mainte		
		ring equipment, tools and r		needed in
	performing	the task: P.P.E, Tool kit, Torqu	e wrench and seals.	
	EVID	ENCE REQUIREMENTS		
PRACTICAL PERFORM	IANCE	UNDERPINNING KNOWL	EDGE	
The person performing this	task must	Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review aircraft technica	· ·	The person performing this ta	sk must be able to e	xplain
2. Identify defect on aircraft		how to:		
pneumatic system;		1.1. Perform operational tests of the aircraft pneumatic		
3. Select right tools, equip		system;		
safety gears for the task		1.2. Use aircraft maintenance	-	
4. Observe health and safe	ty when	1.3. Supply of power to the aircraft using ground power		
performing the task;		unit.		
5. Observe Tanzania Civil	Aviation	20 D: :1		
Authority Regulation;	Qi	2.0. Principles The person must be able to explain the principles of:		
6. Supply power to the airc ground power unit;	craft using	The person must be able to explain the principles of:		
7. Use FIM to troubleshoo	t aircraft	2.1. Operation of aircraft pneumatic system;2.2. Assembling and disassembling component of aircraft		
pneumatic system;	t all'Claft	pneumatic system;	moning component c	n ancian
8. Use job instruction card	to carry out	2.3. Determining serviceabil	ity of aircraft nneum	natic
repair of bleed air ducts	•	system.	ity of afferant pheam	iatio
9. Carry out operational te				
AMM;	Г	3.0. Theories		
10. Return aircraft to norma	ıl	The person must be able to explain:		
configuration;		3.1. Tanzania Civil Aviation Authority;		
11. Clean work area, tools and		3.2. Maintenance Procedures;		
components;		3.3. Basic engineering drawi	ng.	
12. Store tools, equipment a	and safety			
gear appropriately;		4.0. Essential skills		
13. Submit aircraft technica		4.1. Communication skills;		
certifying aircraft maint		4.2. Time management skills	; ;	
engineer for signing of	aircraft	4.3. Commitment;		

certificate of release to service.	4.4. Computer skills;
	4.5. Critical thinking skills;
	4.6. Troubleshooting skills;
	4.7. Ability to work under pressure;
	4.8. Interpersonal skills.
Description on the end products /	Unscheduled maintenance of aircraft's pneumatic system is
service	performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATI	ION	AIRCRAFT	MAINTENANCE	OCCUPATION	3143
	.011		RING TECHNICIAN	CODE	5115
			E & POWERPLANT)		
DUTY TITI	LE		N AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITI	Æ	PERFORM	SCHEDULED	TASK NO.	60215
			ANCE OF AIRCRAFT'S		
			GEAR SYSTEMS		
Performanc	e criteria	_	The person performing this task must be able to carry out so		
		maintenance and AMP.	e of aircraft's landing gear sy	stems as per approv	ved AMM
Range State	ment		vill be performed in a hang		under the
			of a certifying Aircraft Mainten		
			ring equipment, tools and r		
			the task: P.P.E, Tool kit, Torqu		
			Axle nut sockets, Ground powerty and Torquet acts		ower unit,
			ctuator (copper) and Target actuator (copper)	iator (steer).	
PRACTICA	L PERFORM		UNDERPINNING KNOWL	EDGE	
	erforming this		Detailed knowledge about:		
	the following:		1.0. Methods		
	naintenance wo	ork package	The person performing this task must be able to explain		
	nstruction cards		how to:		-
_	tht tools, equip		1.1. Perform operational tests	of the aircraft landi	ng gear
	ars for the task		systems;		
	health and safe ng the task;	ty when	1.2. Use aircraft maintenance tool kit.		
-	Tanzania Civil	Aviation	2.0. Principles		
Authority	Regulation;		The person must be able to ex	plain the principles	of:
•	nstruction card	-	2.1. Operation of aircraft landing gear systems;		
/	and main land	C C	2.2. Assembling and disassembling component of aircraft		
	strut and drag	•	landing gear systems;		
/	and stabilizer	orace of	2.3. Determining serviceability of aircraft landing gear		
	landing gear;		systems.		
	ing gear doors; ing gears whee	la.	3.0. Theories		
	wheel steering	•	3.0. Theories The person must be able to explain:		
· ·	el break unit.	system,	3.1. Tanzania Civil Aviation Authority;		
6. Use job instruction card to		3.2. Maintenance Procedures;			
maintain:		3.3. Basic engineering drawi	<i>'</i>		
a) Roller and up lock of main					
landing gear;		4.0. Essential skills			
· · · · · · · · · · · · · · · · · · ·	and main land		4.1. Communication skills;		
	tion control sy		4.2. Time management skills;		
c) Nose	and main land	ng gear	4.3. Commitment;		

extension control system;	4.4. Computer skills;
d) Landing gear alternate	4.5. Critical thinking skills;
extension system;	4.6. Problem solving skills;
e) Landing gear brake system;	4.7. Ability to work under pressure;
f) Landing gear antiskid system;	4.8. Interpersonal skills.
g) Landing gear proximity sensing	
system;	
7. Carry out operational test as per	
AMM;	
8. Return aircraft to normal	
configuration;	
9. Clean work area, tools and	
components;	
10. Store tools, equipment and safety	
gear appropriately;	
11. Sign job instruction cards and	
maintenance work package;	
12. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's landing gear system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION		MAINTENANCE RING TECHNICIAN	OCCUPATION CODE	3143
	(AIRFRAM	E & POWERPLANT)		
DUTY TITLE	MAINTAIN	N AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE		UNSCHEDULED	TASK NO.	60216
		ANCE OF AIRCRAFT'S GEAR SYSTEMS		
Performance criteria		performing this task must be	able to carry out u	nscheduled
		e of aircraft's landing gear sy		
Range Statement	The task v	will be performed in a hang	gar or ramp area	under the
9		of a certifying Aircraft Mainter		
	The follow	ring equipment, tools and r	naterials will be	needed in
	1	the task: P.P.E, Tool kit, Torqu		
		Axle nut sockets, Ground pow-		ower unit,
		ctuator (copper) and Target actu	uator (steel).	
		ENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWL	LEDGE	
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review aircraft technical	•	The person performing this task must be able to explain how to:		
2. Identify defect on aircragear systems;	in landing	1.1. Perform operational tests	of the aircraft land	ina agar
3. Select right tools, equip	ment and	systems;	of the alterate land	ing gear
safety gears for the task		1.2. Use aircraft maintenance	tool kit:	
4. Observe health and safe		1.3. Supply of power to the a	· · · · · · · · · · · · · · · · · · ·	power
performing the task;		unit.		1
5. Observe Tanzania Civil	Aviation			
Authority Regulation;		2.0. Principles		
6. Supply power to the air	craft using	The person must be able to explain the principles of:		
ground power unit;		2.1. Operation of aircraft landing gear systems;		
7. Use FIM to troubleshoo		2.2. Assembling and disasser	mbling component of	of aircraft
a) Nose and main land	ing gear	landing gear systems;	ity of oinough landin	~ ~~~
brake systems;b) Antiskid system;		2.3. Determining serviceability systems.	ity of afferant failuin	g gear
c) Proximity sensor sy	stem:	systems.		
d) Steering system;		3.0. Theories		
e) Landing gear extension and		The person must be able to explain:		
retraction system;		3.1. Tanzania Civil Aviation	_	
8. Carry out operational te	est as per	3.2. Maintenance Procedures	; ;	
AMM;		3.3. Basic engineering drawi	ng.	
9. Return aircraft to norma	al			
configuration;	1	4.0 5		
10. Clean work area, tools a	and	4.0. Essential skills		

components;	4.1. Communication skills;
11. Store tools, equipment and safety	4.2. Time management skills;
gear appropriately;	4.3. Commitment;
12. Submit aircraft technical logbook to	4.4. Computer skills;
certifying aircraft maintenance	4.5. Critical thinking skills;
engineer for signing of aircraft	4.6. Troubleshooting skills;
certificate of release to service.	4.7. Ability to work under pressure;
	4.8. Interpersonal skills.
Description on the end products /	Unscheduled maintenance of aircraft's landing gear system
service	is performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION		MAINTENANCE RING TECHNICIAN	OCCUPATION CODE	3143			
		IE & POWERPLANT)	CODE				
DUTY TITLE		N AIRCRAFT SYSTEMS	DUTY NO.	602			
	1111111111111	VIIITOIU II I SI SI ZIVIS	20111101	002			
TASK TITLE	PERFORM	SCHEDULED	TASK NO.	60217			
	MAINTEN	ANCE OF AIRCRAFT'S					
	WATER A	WATER AND WASTE SYSTEM					
Performance criteria		performing this task must be					
		e of aircraft's water and waste	system as per appro	ved AMM			
	and AMP.						
Range Statement		will be performed in a hang		under the			
		of a certifying Aircraft Mainter					
		ring equipment, tools and r	naterials will be	needed in			
	performing						
		ue wrench and Tool kit.					
		ENCE REQUIREMENTS					
PRACTICAL PERFOR		UNDERPINNING KNOWI	LEDGE				
The person performing thi		Detailed knowledge about:					
be able to do the following		1.0. Methods					
1. Review maintenance v		The person performing this task must be able to explain					
and job instruction car		how to:					
2. Select right tools, equi		1.1. Perform operational tests of the water and waste					
safety gears for the tas 3. Observe health and saf		system; 1.2. Use aircraft maintenance	. to al leit.				
performing the task;	ety when	1.3. Supply of power to the a	· · · · · · · · · · · · · · · · · · ·	nouver			
4. Observe TCAA regula	tions	unit.	incraft using ground	power			
5. Supply power to the air	·	unit.					
ground power unit;	retait asing	2.0. Principles					
6. Use Job Instruction Ca	rd to inspect:	The person must be able to explain the principles of:					
a) Potable Water Syst		2.1. Operation of aircraft water and waste system;					
b) Potable Water Tan	•	2.2. Determining serviceabil	•	•			
c) Water Quantity Inc	lication	system;	•				
System;		2.3. Assembling and disasser	mbling components	of aircraft			
d) Lavatory wash wat	er system;	water and waste system.					
e) Ground service par		3.0. Theories					
	f) Water tank assembly;						
g) Floor drain pipe;		The person must be able to ex	xplain:				
h) Toilet unit;		3.1. TCAA regulations;					
i) Lavatory water filter;		3.2. Maintenance Procedures					
j) Lavatory waste dis	_	3.3. Basic engineering drawi	ng.				
k) Lavatory service p							
l) Vent line and muff	ier;	40 Essential skills					
m) Control cables;		4.0. Essential skills					

n) Waste water drain pipe;	4.1. Communication skills;
7. Carry out operational test as per	4.2. Time management skills;
AMM;	4.3. Commitment;
8. Return aircraft to normal	4.4. Computer skills;
configuration;	4.5. Critical thinking skills;
9. Clean work area, tools and	4.6. Problem solving skills;
components;	4.7. Ability to work under pressure;
10. Store tools, equipment and safety	4.8. Interpersonal skills.
gear appropriately;	
11. Sign job instruction cards and	
maintenance work package;	
12. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Scheduled maintenance of aircraft's water and waste system
service	is performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION			MAINTENANCE	OCCUPATION	3143
	ENGINEERING TECHNICIAN			CODE	
			& POWERPLANT)	DUDYNO	(02
DUTY TITLE MAINT			AIRCRAFT SYSTEMS	DUTY NO.	602
TASK TITLE			NSCHEDULED	TASK NO.	60218
			NCE OF AIRCRAFT'S		
			O WASTE SYSTEM		
Performance criteria	_	_	erforming this task must be	=	
			of aircraft's water and waste	system as per appro	ved AMM
Daniel Chatana and	and FIM		11 1		1 41
Range Statement			Il be performed in a hang		under the
	-		f a certifying Aircraft Mainten g equipment, tools and r	_	noodod in
			e task: P.P.E, Torque wrench		needed in
			NCE REQUIREMENTS	and 1001 kit.	
PRACTICAL PERFORM			DERPINNING KNOWLED	GE	
The person performing this t			niled knowledge about:	<u>GE</u>	
must be able to do the follow			Methods		
1. Review aircraft technical	_	The	person performing this task r	nust be able to expla	in how to:
logbook;			Perform operational tests of		
2. Identify defect on the air	craft	system;			
water and waste system;		1.2. Use aircraft maintenance tool kit;			
3. Select right tools, equipm	nent	1.4.	Supply of power to the airc	raft using ground po	wer unit.
and safety gears for the t	ask;				
4. Observe health and safet	y when	2.0.	Principles		
performing the task;			person must be able to explain		
5. Observe Tanzania Civil			Operation of aircraft water a	•	
Aviation Authority Regu		2.2.	Determining serviceability of	of aircraft water and	waste
6. Supply power to the airc			system;		
using ground power unit		2.3.	Assembling and disassemble	ing components of a	ırcraft
7. Use FIM to troubleshoot			water and waste system.		
a) Water quantity transib) Pressure relief valve;		3.0	Theories		
b) Pressure relief valve;c) Cable control unit;	•		person must be able to explain	n·	
d) Drain valve;			-		
e) Air stop valve;		3.1. TCAA regulations;3.2. Maintenance Procedures;			
f) Pump filter;			Basic engineering drawing.		
g) Lavatory water filter;					
h) Toilet unit;			Essential skills		
i) Lavatory service panel;			Communication skills;		
j) Motor-driven pump;			Time management skills;		
8. Carry out operational test as per			Commitment;		
AMM;	-	4.4.	Computer skills;		
9. Return aircraft to normal	[4.5.	Critical thinking skills;		

configuration;	4.6. Troubleshooting skills;
10. Clean work area, tools and	4.7. Ability to work under pressure;
components;	4.8. Interpersonal skills.
11. Store tools, equipment and	
safety gear appropriately;	
12. Submit aircraft technical	
logbook to certifying aircraft	
maintenance engineer for	
signing of aircraft certificate of	
release to service.	
Description on the end products /	Unscheduled maintenance of aircraft's water and waste system
service	is performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCRA	FT MAINTENANCE OCCUPATION OCCUPAT	ON 3143		
	ENGINI	ERING TECHNICIAN CODE			
	(AIRFR	ME & POWERPLANT)			
DUTY TITLE	MAINT	IN AIRCRAFT SYSTEMS DUTY NO.	602		
TASK TITLE	PERFO	M SCHEDULED TASK NO.	60219		
		NANCE OF THE			
		FT'S FIRE PROTECTION			
	SYSTE				
Performance criteria		on performing this task must be able to carry			
		nce of aircraft's fire protection system as per a	pproved AMM		
D Ct t	and AM		1 .1		
Range Statement		will be performed in a hangar or ramp a			
		on of a certifying Aircraft Maintenance Engineer.			
		owing equipment, tools and materials will g the task: P.P.E, Torque wrench, Wrist strap and			
		DENCE REQUIREMENTS	1 1001 KIL.		
PRACTICAL PERFORMA		UNDERPINNING KNOWLEDGE			
The person performing this t		Detailed knowledge about:			
must be able to do the follow		1.0. Methods:			
1. Review maintenance wor	_	The person performing this task must be able to explain how to:			
package and job instructi		1.1. Perform operational tests of aircraft fire protection			
cards;		system;			
2. Select right tools, equipn	nent	1.2. Use aircraft maintenance tool kit;			
and safety gears for the ta		1.3. Supply of power to the aircraft using ground	d power unit.		
3. Observe health and safet	y when				
performing the task;		2.0. Principles			
4. Observe TCAA regulation		The person must be able to explain the principles			
5. Use Job Instruction Card	to	2.1. Operation of aircraft fire protection system;			
maintain:		2.2. Determining serviceability of aircraft fire pr	otection		
a) Engine fire detection		system;	0 . 0 .		
system;	1 •	2.3. Assembling and disassembling components	of aircraft fire		
b) Engine fire extinguis system;	nıng	protection system.			
c) Cargo fire detection s	vstem:	3.0. Theories			
d) Cargo fire extinguishing	•	The person must be able to explain:			
system;		3.1. TCAA regulations;			
e) Lavatory smoke dete	ction	3.2. Maintenance Procedures;			
system;		3.3. Basic engineering drawing.			
f) Lavatory fire extingu	ishing				
system;		4.0. Essential skills			
g) APU fire detection sy		4.1. Communication skills;			
h) APU fire extinguishing		4.2. Time management skills;			
system;		4.3. Commitment;			
6. Carry out operational tes	t as per	4.4. Computer skills;			

AMM;	4.5. Critical thinking skills;
7. Return aircraft to normal	4.6. Problem solving skills;
configuration;	4.7. Ability to work under pressure;
8. Clean work area, tools and	4.8. Interpersonal skills.
components;	-
9. Store tools, equipment and	
safety gear appropriately;	
10. Sign job instruction cards and	
maintenance work package;	
11. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for	
signing of aircraft certificate of	
release to service.	
Description on the end products /	Scheduled maintenance of aircraft's fire protection system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

ENGINEER				NTENANCE TECHNICIAN	OCCUPATION CODE	3143
		(AIRFRAM	IE & F	POWERPLANT)		
DUTY TITLE MAINTAIN			N AIR	CRAFT SYSTEMS	DUTY NO.	602
TA				CHEDULED	TASK NO.	60220
				E OF AIRCRAFT'S ON SYSTEM		
Pe	rformance criteria	The person	perfo	rming this task must be	able to carry out un	nscheduled
		maintenance and FIM.	e of a	ircraft's fire protection s	ystem as per appro	ved AMM
Ra	inge Statement	The task v	will b	e performed in a hang	gar or ramp area	under the
				ertifying Aircraft Maintei		
		The follow	ing e	equipment, tools and r	naterials will be	needed in
				sk: P.P.E, Torque wrench	, Wrist strap and To	ol kit.
				REQUIREMENTS		
	RACTICAL PERFORM			DERPINNING KNOWL	EDGE	
	e person performing this			iled knowledge about:		
	able to do the following:		1.0.	Methods		
	Review aircraft technica			person performing this ta	sk must be able to e	xplaın
2.	Identify defect on the ai	rcraft fire	how to:			
2	protection system;	41	1.1. Perform operational tests of aircraft fire protection			
3.	Select right tools, equip		system; 1.2. Use aircraft maintenance tool kit;			
1	safety gears for the task Observe health and safe		1.3. Supply of power to the aircraft using ground power			
4.	performing the task;	ty when	unit.			power
5	Observe Tanzania Civil	Aviation		unit.		
٥.	Authority Regulation;	Aviation	2.0.	Principles		
6.	Supply power to the airc	eraft using	The person must be able to explain the principles of:			
	ground power unit;		2.1. Operation of aircraft fire protection system;			
7.	Use FIM to troubleshoo	t:	2.2. Determining serviceability of aircraft fire protection			otection
	a) Engine fire detection	n system;		system;	, ,	
	b) Engine fire extinguis	shing	2.3.	Assembling and disasser	mbling components	of aircraft
	system;	_		fire protection system.		
	c) Cargo fire detection	system;				
	d) Cargo fire extinguisly		3.0.	Theories		
	e) Lavatory Smoke De	tection		person must be able to ex	plain:	
system;		3.1. TCAA regulations;				
f) Lavatory fire extinguishing		3.2. Maintenance Procedures;				
system;		3.3.	Basic engineering drawi	ng.		
g) APU fire detection system;		4.0	E4-1-191			
0	h) APU fire extinguish			Essential skills		
8.	Carry out operational te	si as per		Communication skills;		
0	AMM;			Time management skills: Commitment;	,	
9.	Return aircraft to norma	ıı	₹.೨.	Communicit,		

configuration;	4.4. Computer skills;	
10. Clean work area, tools and	4.5. Critical thinking skills;	
components;	4.6. Troubleshooting skills;	
11. Store tools, equipment and safety	4.7. Ability to work under pressure;	
gear appropriately;	4.8. Interpersonal skills.	
12. Submit aircraft technical logbook to		
certifying aircraft maintenance		
engineer for signing of aircraft		
certificate of release to service.		
Description on the end products /	Unscheduled maintenance of aircraft's fire protection	
service	system is performed as per AMM, FIM and TCAA	
	regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION	AIRCRAFT	MAINTENANCE	OCCUPATION	3143
		ZING TECHNICIAN	CODE	
	(AIRFRAM	E & POWERPLANT)		
DUTY TITLE		N AIRCRAFT AIRFRAME	DUTY NO.	603
	STRUCTUI	RE		
TASK TITLE	PERFORM	SCHEDULED	TASK NO.	6031
	MAINTEN	ANCE OF AIRCRAFT'S		
	STABILIZE	ERS STRUCTURE		
Performance criteria	The person	performing this task must be	e able to carry out	scheduled
	maintenance	e of aircraft's stabilizers structi	are as per approved	AMM and
	AMP.			
Range Statement	The task v	vill be performed in a hang	gar or ramp area	under the
		of a certifying Aircraft Mainter		
		ring equipment, tools and r		
		the task: P.P.E, Torque wrenc	h, Tool kit, Flashlig	ght, Cotton
		exible Borescope machine.		
		ENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWI	<u>LEDGE</u>	
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods	1 .1 11 .	1 •
1. Review maintenance wo		The person performing this ta	sk must be able to ex	xplaın
and job instruction card	•	how to: 1.1. Perform detailed inspection of aircraft stabilizers		
2. Select right tools, equip		=	ion of aircraft stabili	zers
safety gears for the task;		structure; 1.2. Use aircraft maintenance	tool lrite	
3. Observe health and safe performing the task;	ty when	1.3. Use borescope machine.	toor kit,	
4. Observe TCAA regulati	one:	1.3. Osc borescope machine.		
5. Clean area to be inspect		2.0. Principles		
6. Use Job Instruction Card		The person must be able to ex	nlain the principles	of·
borescope inspection of		2.1. Construction of aircraft stabilizers structure;		
a) Internal structure of		2.2. Determining the degree of structural integrity of		
stabilizers;		aircraft stabilizer structu		-
b) Internal structures o	f horizontal		1	
stabilizers;		3.0. Theories		
c) Internal structures o	f elevator;	The person must be able to ex	plain:	
d) Internal structures o	f rudder;	3.1. TCAA regulations;		
7. Return aircraft to norma	.1	3.2. Maintenance Procedures;		
configuration;		3.3. Basic engineering drawi	ng.	
8. Clean work area, tools a	nd			
components;		4.0. Essential skills		
9. Store tools, equipment and safety		4.1. Communication skills;		
gear appropriately;		4.2. Time management skills	5 ;	
10. Sign job instruction cards and		4.3. Commitment;		
maintenance work pack	-	4.4. Computer skills;		
11. Submit maintenance work package		4.5. Critical thinking skills;		

to certifying aircraft maintenance	4.6. Problem solving skills;
engineer for signing of aircraft	4.7. Ability to work under pressure;
certificate of release to service.	4.8. Interpersonal skills.
Description on the end products /	Scheduled maintenance of aircraft's stabilizers structure is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

O	CCUPATION	ENGINE	ERINC	AINTENANCE G TECHNICIAN G POWERPLANT)	OCCUPATION CODE	3143
DU	UTY TITLE		IN AI	RCRAFT AIRFRAME	DUTY NO.	603
TA	ASK TITLE	PERFORI MAINTE	M UN	SCHEDULED CE OF AIRCRAFT'S STRUCTURE	TASK NO.	6032
Pe	rformance criteria	The perso	n perf	forming this task must be aircraft's stabilizers structu		
Ra	inge Statement	supervision The follor performin	on of a owing g the t	be performed in a hang certifying Aircraft Mainter equipment, tools and r ask: P.P.E, Torque wrench	nance Engineer. naterials will be	needed in
DE	RACTICAL PERFORM			CE REQUIREMENTS DERPINNING KNOWLE	DCF	
	e person performing this			iled knowledge about:	DGE	
	able to do the following:	task must		Methods		
	Review aircraft technica	ı1		person performing this task	must be able to exp	olain how
	logbook;		to:		1	
2.	Identify defect on the ai	rcraft	1.1. Perform detailed inspection of aircraft stabilizers			
	stabilizers structure;		structure;			
3.	Select right tools, equip	ment and	1.2. Use aircraft maintenance tool kit.			
	safety gears for the task					
4.	Observe health and safe	ty when	2.0.	Principles		
	performing the task;		The person must be able to explain the principles of:			
5.	Observe Tanzania Civil	Aviation	2.1. Construction of aircraft stabilizers structure;			
	Authority Regulation;		2.2. Determining the degree of structural integrity of aircraft			
6.	Clean area to be inspect			stabilizer structure as per a	aircraft SRM.	
7.	Use job instruction card					
	perform detailed visual	inspection		Theories		
	of:			person must be able to expl	ain:	
	a) External structure of	aircraft		TCAA regulations;		
	stabilizers;			Maintenance Procedures;		
	b) Internal structure of	aircraft	3.3.	Basic engineering drawing	ζ.	
o	stabilizers;		4.0	Fagantial abilla		
8.	Use SRM to perform da	mage	4.0.	Essential skills		
	evaluation on:	Cairoraft	4.1.	Communication skills;		
	a) External structure of	aircrait		Time management skills;		
	stabilizers; b) Internal structure of	aircraft		Commitment;		
	b) Internal structure of stabilizers;	ancian		Computer skills; Critical thinking skills;		
9.	Report structural damag	e on:		Troubleshooting skills;		
٦.	a) External structure of			Ability to work under pres	sure.	
	a, Date mai situature or	ancian	1./.	Training to work under pres	,	

stabilizers;	4.8. Interpersonal skills.
b) Internal structure of aircraft	-
stabilizers;	
10. Return aircraft to normal	
configuration;	
11. Clean work area, tools and	
components;	
12. Store tools, equipment and safety	
gear appropriately;	
13. Submit aircraft technical logbook	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description on the end products /	Unscheduled maintenance of aircraft's stabilizers structure is
service	performed as per AMM, SRM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	ENGIN	EERI	MAINTENANCE NG TECHNICIAN	OCCUPATION CODE	3143
	(AIRFR	AME	& POWERPLANT)		
DUTY TITLE	MAINT STRUC		AIRCRAFT AIRFRAME E	DUTY NO.	603
TASK TITLE	PERFO	RM S	CHEDULED	TASK NO.	6033
	MAINT	ENA	NCE OF AIRCRAFT'S		
	FUSEL	AGE :	STRUCTURE		
Performance criteria	_	ance	performing this task must be of aircraft's fuselage structure	•	
Range Statement			ll be performed in a hang	gar or ramn area	under the
Kange Statement			f a certifying Aircraft Mainter		under the
	_		ng equipment, tools and r	_	needed in
			e task: P.P.E, Tool kit and To		
			NCE REQUIREMENTS	•	
PRACTICAL PERFORM	IANCE	UNI	DERPINNING KNOWLED	GE	
The person performing this	task	Deta	ailed knowledge about:		
must be able to do the follo	wing:	1.0.	Methods		
1. Review maintenance wo		The	person performing this task r	-	
package and job instruc	tion	1.1 Perform detailed inspection of aircraft fuselage structure;			
cards;		1.2 Use aircraft maintenance tool kit;			
2. Select right tools, equipment		1.3	Use non-destructive testing	; kit.	
and safety gears for the		2.0	Duin aimle a		
3. Observe health and safe performing the task;	ty wnen		Principles	in the principles of	
4. Observe Tanzania Civil			person must be able to explain Construction of aircraft fuse		
Aviation Authority Reg			Assembling and disassembl	-	ircraft
5. Use job instruction card		2.2.	fuselage structure;	ing components of a	norun
maintain:		2.3.	Determining the degree of s	tructural integrity of	f aircraft
a) Landing gears suppo	ort;		fuselage structure as per air		
b) Seat rails;					
c) Window structures;		3.0.	Theories		
6. Return aircraft to norma	ıl		person must be able to explain	in:	
configuration;		3.1	TCAA regulations;		
7. Clean work area, tools a	ınd	2 2	Maintananaa Dua aa Juuraa		
components;	1	3.2	Maintenance Procedures;		
8. Store tools, equipment and		3.3	Basic engineering drawing;		
safety gear appropriately; 9. Sign job instruction cards and			=		
maintenance work pack		3,4	Composite materials inspect	tion;	
10. Submit maintenance work package to certifying aircraft		3.5	Structural inspection.		
maintenance engineer fo					
signing of aircraft certif	icate of	4.0.	Essential skills		

release to service.	4.1 Communication skills;			
	4.2 Time management skills;			
	4.3 Commitment;			
	4.4 Computer skills;			
	4.5 Critical thinking skills;			
	4.6 Problem solving skills;			
	4.7 Ability to work under pressure;			
	4.8 Interpersonal skills.			
Description on the end products /	Scheduled maintenance of aircraft's fuselage structure is			
service	performed as per AMM, AMP and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

OCCUPATION	AIRCRAI	T MAINTENANCE	OCCUPATION	3143
		ERING TECHNICIAN	CODE	
	(AIRFRA	ME & POWERPLANT)		
DUTY TITLE	MAINTA	IN AIRCRAFT AIRFRAME	DUTY NO.	603
	STRUCT	URE		
TASK TITLE	PERFOR	M UNSCHEDULED	TASK NO.	6034
	MAINTE	NANCE OF AIRCRAFT'S		
	FUSELA	GE STRUCTURE		
Performance criteria	The perso	n performing this task must be	able to carry out un	nscheduled
	maintenar	ce of aircraft's fuselage structur	e as per approved Al	MM, AMP
	and Aircra			
Range Statement		will be performed in a han		under the
		n of a certifying Aircraft Mainte		
		wing equipment, tools and		
		g the task: P.P.E, Tool kit, non	-destructive testing	kit, mirror
	and Torqu			
		DENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWLE	EDGE	
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review aircraft technica	ıl	The person performing this task must be able to explain how		
logbook;	C	to:		s C 1
2. Identify defect on aircra	III	1.1. Perform detailed in	spection of aircraf	t fuselage
fuselage structure;		structure;	a 4a a1 1-i4.	
3. Select right tools, equip		1.2. Use aircraft maintenance1.3. Use non-destructive tes	· ·	
safety gears for the task 4. Observe health and safe		1.3. Use non-destructive tes	ung kit.	
performing the task;	ty when	2.0. Principles		
5. Observe Tanzania Civil	Δviation		lain the principles of	ç.
Authority Regulation;	Aviation	The person must be able to explain the principles of: 2.1. Construction of aircraft fuselage structure;		
6. Use Job Instruction Car	d to	2.2. Assembling and disassem		faircraft
perform detailed visual		fuselage structure;	components of	anoran
of:	шересиен	2.3. Determining the degr	ree of structural in	ntegrity of
a) External nose fusela section;	ge	aircraft fuselage structure		
b) External mid fuselage	re section:	3.0. Theories		
c) External aft fuselage	•	The person must be able to exp	lain·	
d) Aft and forward bul		3.1 TCAA regulations;	14111.	
7. Use SRM to carry out d		5.1 1011110guianons,		
evaluation on:		3.2 Maintenance Procedures;		
a) External nose fuselage		,		
section;		3.3 Basic engineering drawin	g;	
b) External mid fuselag	ge section;		.•	
c) External aft fuselage	•	3.4 Composite materials inspe	ection;	
d) Aft and forward bul	kheads;			

8. Report structural damage on: a) External nose fuselage	3.5 Structural inspection.
section;	
b) External mid fuselage section;	4.0. Essential skills
c) External aft fuselage section;	4.1. Communication skills;
d) Aft and forward bulkheads;	4.2. Time management skills;
9. Return aircraft to normal	4.3. Commitment;
configuration;	4.4. Computer skills;
10. Clean work area, tools and	4.5. Critical thinking skills;
components;	4.6. Problem solving skills;
11. Store tools, equipment and safety	4.7. Ability to work under pressure;
gear appropriately;	4.8. Interpersonal skills.
12. Sign job instruction cards and	
maintenance work package.	
Description on the end products /	Unscheduled maintenance of aircraft's fuselage structure is
service	performed as per AMM, SRM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCR	AFT MAINTENANCE OCCUPATION	3143	
		EERING TECHNICIAN CODE	3113	
		AME & POWERPLANT)		
DUTY TITLE	_	AIN AIRCRAFT AIRFRAME DUTY NO.	603	
	STRUC			
TASK TITLE	PERFO	RM SCHEDULED TASK NO.	6035	
	MAINT	ENANCE OF		
	AIRCR	AFT'SWINDOWS		
	STRUC	TURE		
Performance criteria	The per	on performing this task must be able to carry or	ut scheduled	
		nce of aircraft's windows structure as per appre		
	AMP an	d SRM.		
Range Statement	The tas	will be performed in a hangar or ramp are	a under the	
		on of a certifying Aircraft Maintenance Engineer.		
		owing equipment, tools and materials will be	needed in	
		ng the task: P.P.E, Mirror and Flashlight.		
		IDENCE REQUIREMENTS		
PRACTICAL PERFORM	ANCE	UNDERPINNING KNOWLEDGE		
The person performing this		Detailed knowledge about:		
must be able do the following	_	1.0. Methods		
1. Review maintenance wo		The person performing this task must be able to explain how to:		
package and job instruct	tion	1.1 Perform detailed inspection of aircraft window	s structure;	
cards;		1.2 Use aircraft maintenance tool kit;		
2. Select right tools, equip		1.3 Use non-destructive testing kit.		
and safety gears for the		2.0 Duin sinles		
3. Observe health and safe performing the task;	ty when	2.0. Principles The person must be able to explain the principles of	e.	
4. Observe Tanzania Civil		The person must be able to explain the principles of 2.1. Construction of aircraft windows structure;	l .	
Aviation Authority Reg	ulation	2.2. Assembling and disassembling components of	faircraft	
5. Use job instruction card		windows structure;	anciait	
check:	10	2.3. Determining the degree of structural integrity	of aircraft	
a) Flight compartment		windows structure as per aircraft SRM.	or an orac	
windshield;		1		
windshield,		3.0. Theories		
b) Flight compartment	side	The person must be able to explain:		
windows;		3.1 TCAA regulations;		
c) Passenger windows;				
6. Return aircraft to no		3.2 Maintenance Procedures;		
configuration;		3.3 Basic engineering drawing;		
7. Clean work area, too	ols and			
components;		3.4 Composite materials inspection;		
8. Store tools, equipme	ent and	3.5 Structural inspection.		
safety gear appropriately				

9. Sign job instruction cards			
and maintenance work package;	4.0. Essential skills		
	4.1. Communication skills;		
10. Submit maintenance work	4.2. Time management skills;		
package to certifying aircraft	4.3. Commitment;		
maintenance engineer for	4.4. Computer skills;		
signing of aircraft certificate of	4.5. Critical thinking skills;		
release to service.	4.6. Problem solving skills;		
	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description on the end products /	Scheduled maintenance of aircraft's windows structure is		
service	performed as per AMM, SRM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	AIRCR	AFT I	MAINTENANCE	OCCUPATION	3143
			NG TECHNICIAN	CODE	
	_		& POWERPLANT)		50.5
DUTY TITLE			AIRCRAFT AIRFRAME	DUTY NO.	603
TO A CAY TO YOUR TO	STRUC			TAGIZNO	(02)
TASK TITLE			NSCHEDULED	TASK NO.	6036
			NCE OF AIRCRAFT'S		
Performance criteria			STRUCTURE	alala 6a aanmy assé ss	
Periormance criteria			erforming this task must be of aircraft's windows struc		
			craft Structural Repair.	ture as per approv	eu Alviivi,
Range Statement			ll be performed in a hang	oar or ramn area	under the
Kange Statement			f a certifying Aircraft Mainter		under the
			ng equipment, tools and r		needed in
			e task: P.P.E, Mirror and Flas		
			NCE REQUIREMENTS		
PRACTICAL PERFORM	ANCE	UNI	DERPINNING KNOWLED	GE	
The person performing this			ailed knowledge about:		
must be able do the following	_	1.0.	Methods		
1. Review aircraft technica	ıl		person performing this task n		
logbook;	2	1.1 Perform detailed inspection of aircraft windows structure;			
2. Identify defect on aircra	ft	1.2 Use aircraft maintenance tool kit;			
window structure;		1.3	Use non-destructive testing	Kit.	
3. Select right tools, equip		2.0	Dringinles		
and safety gears for the4. Observe health and safe			Principles nerson must be able to explain	n the principles of	
performing the task;	ty which	The person must be able to explain the principles of: 2.1. Construction of aircraft windows structure;			
5. Observe Tanzania Civil		2.2. Assembling and disassembling components of aircraft			
Aviation Authority Reg	ulation:		windows structure;	mg components of a	
6. Use Job Instruction Card		2.3.	Determining the degree of s	tructural integrity of	aircraft
perform detailed visual			windows structure as per air		
inspection of:					
a) Flight compartment		3.0.	Theories		
windshield;			person must be able to explain	n:	
b) Flight compartment	side	3.1	TCAA regulations;		
windows;		3.2	Maintenance Procedures;		
c) Passenger window;7. Return aircraft to norma	1	3.2	ivialine flocedules;		
7. Return aircraft to norma configuration;	1	3.3	Basic engineering drawing;		
8. Clean work area, tools a	nd		<i>68 m8</i> ,		
components;	114	3.4	Composite materials inspec	tion;	
9. Store tools, equipment a	ınd		~		
safety gear appropriately		3.5	Structural inspection.		
10. Submit aircraft technica					
logbook to certifying air		4.0.	Essential skills		
		4.0.	l'oschuai skilis		

maintenance engineer for	4.1. Communication skills;		
signing of aircraft certificate of	4.2. Time management skills;		
release to service.	4.3. Commitment;		
	4.4. Computer skills;		
	4.5. Critical thinking skills;		
	4.6. Problem solving skills;		
	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description on the end products /	Unscheduled maintenance of aircraft's windows structure is		
service	performed as per AMM, SRM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	ENGINE	FT MAINTENANCE ERING TECHNICIAN ME & POWERPLANT)	OCCUPATION CODE	3143
DUTY TITLE	MAINTA STRUCT	IN AIRCRAFT AIRFRAME URE	DUTY NO.	603
TASK TITLE	MAINTE	M SCHEDULED NANCE OF AIRCRAFT'S TRUCTURE	TASK NO.	6037
Performance criteria		on performing this task must be ance of aircraft's wings structure as		
Range statement	supervision The follon performin	will be performed in a hangar on of a certifying Aircraft Maintena owing equipment, tools and ma g the task: P.P.E, Tool kit, Mirror, DENCE REQUIREMENTS	nce Engineer. terials will be ne	eeded in
PRACTICAL PERFORMA		UNDERPINNING KNOWLED	GE	
The person performing this t		Detailed knowledge about:	<u> </u>	
be able to do the following:	1_	1.0. Methods		1
Review maintenance wor package and job instructi		The person performing this task n to:	nust be able to expl	ain now
2. Select right tools, equipm		1.1. Perform detailed inspection of aircraft wings structure;		
safety gears for the task;	icht and	1.2. Use aircraft maintenance to		ractare,
3. Observe health and safety performing the task;	y when	1.3. Use non-destructive testing	,	
4. Observe Tanzania Civil A	Aviation	2.0. Principles		
Authority Regulation;		The person must be able to explai	n the principles of:	
5. Use job instruction card t maintain:	0	2.1. Construction of aircraft wing2.2. Assembling and disassembli	-	aircraft
a External structure of	wing;	wing's structure; 2.3. Determining the degree of structural integrity of aircraft		
b) Internal structure of v	ving;	wings structure as per aircra		
c) Flap structure; d) Aileron structure; e) Wings tips; 6. Return aircraft to nor configuration; 7. Clean work area, tool components;	mal s and	3.0. Theories The person must be able to explain 3.1 TCAA regulations; 3.2 Maintenance Procedures; 3.3 Basic engineering drawing; 3.4 Composite materials inspect 3.5 Structural inspection.		
8. Store tools, equipmer safety gear appropriately;9. Sign job instruction commaintenance work packa10. Submit maintenance	ards and ge;	4.0. Essential skills4.1. Communication skills;4.2. Time management skills;4.3. Commitment;		

package to certifying aircraft	4.4. Computer skills;		
maintenance engineer for signing	4.5. Critical thinking skills;		
of aircraft certificate of release to	4.6. Problem solving skills;		
service.	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description of the end products / Scheduled maintenance of aircraft's wings structure			
service	performed as per AMM, SRM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

00				MAINTENANCE NG TECHNICIAN	OCCUPATION	3143
				NG TECHNICIAN	CODE	
DI	UTY TITLE	(AIRFRAME & POWERPLANT) MAINTAIN AIRCRAFT AIRFRAME			DUTY NO.	603
שע	STRUC				DUIT NO.	003
TA	ASK TITLE			NSCHEDULED	TASK NO.	6038
				NCE OF AIRCRAFT'S		0020
				UCTURE		
Pe	rformance criteria	The pers	son po	erforming this task must be a	ble to carry out uns	cheduled
			ance	of aircraft's wings structure	as per approved A	MM and
		SRM.				
Ra	inge statement			ll be performed in a hanga	-	inder the
				f a certifying Aircraft Mainter		1 1 .
				eg equipment, tools and m	aterials will be n	eeded in
		perform	_		Stone and Tool leit	
				e wrench, Flashlight, Mirror, S CE REQUIREMENTS	steps and 1001 kit.	
PR	RACTICAL PERFORMA			DERPINNING KNOWLED	GE.	
	e person performing this t			ailed knowledge about:	GE	
	ist be able to do the follow			Methods		
	Review aircraft technical	_	The person performing this task must be able to explain how			
	logbook;		to:			
2.	Identify defect on the air	craft	1.1. Perform detailed inspection of aircraft wings structure;			
	wings structure;		1.2. Use aircraft maintenance tool kit.			
3.	Select right tools, equipn	nent and				
	safety gears for the task;			Principles		
4.	Observe health and safety	y when	The person must be able to explain the principles of:			
_	performing the task;			Construction of aircraft wing	_	
5.	Observe Tanzania Civil	Aviation	2.2. Assembling and disassembling components of aircraft			
6	Authority Regulation;	J.	wings structure;			
	Clean area to be inspecte		2.3. Determining the degree of structural integrity of aircraft			i aircrait
/.	Use job instruction card to perform detailed visual	.0	wings structure as per aircraft SRM.			
	inspection of:		3.0.	Theories		
	a) External structure of	wing:	The person must be able to explain:			
	b) Internal structure of v	_	3.1 TCAA regulations;			
	c) Flap structure;		3.2 Maintenance Procedures;			
	d) Aileron structure;		3.3 Basic engineering drawing;			
	e) Wing tips;		3.4 Composite materials inspection;			
8.	Use SRM to perform dan	nage	3.5	Structural inspection.		
evaluation on:						
	a) External structure of	_				
	b) Internal structure of v	ving;				
	c) Flap structure;		4.0. Essential skills			
	d) Aileron structure;		4.1. Communication skills;			

e) Wing tips;	4.2. Time management skills;
9. Report structural damage on:	4.3. Commitment;
a) External structure of wing;	4.4. Computer skills;
b) Internal structure of wing;	4.5. Critical thinking skills;
c) Flap structure;	4.6. Troubleshooting skills;
d) Aileron structure;	4.7. Ability to work under pressure;
e) Wing tips;	4.8. Interpersonal skills.
10. Return aircraft to normal	
configuration;	
11. Clean work area, tools and	
components;	
12. Store tools, equipment and safety	
gear appropriately;	
13. Submit aircraft technical logbook	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's wings structure is
service	performed as per AMM, SRM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

00	CCUPATION		T MAINTENANCE	OCCUPATION	3143
			RING TECHNICIAN	CODE	
DI	JTY TITLE	`	ME & POWERPLANT) N AIRCRAFT AIRFRAME	DUTY NO.	603
STRUCTU				DUTT NO.	003
TA	ASK TITLE		M SCHEDULED	TASK NO.	6039
111			NANCE OF AIRCRAFT'S	THOR IVO.	0037
			TRUCTURE		
Pe	rformance criteria	The perso	n performing this task must be	able to carry out s	cheduled
			ce of aircraft's doors structure as		
Ra	nge statement	The task	will be performed in a hanga	r or ramp area u	nder the
			n of a certifying Aircraft Maintena		
			wing equipment, tools and ma		
			g the task: P.P.E, Tool kit, Mirror,	Steps and Flashligh	ıt.
			ENCE REQUIREMENTS		
	RACTICAL PERFORM		UNDERPINNING KNOWLEI)GE	
	e person performing this t	ask must	Detailed knowledge about:		
	able to do the following: Review maintenance wo	1_	1.0. Methods		1 - 1 - 1
1.			The person performing this task is	must be able to exp.	lain now
2	package and job instruct: Select right tools, equipment		to: 1.1 Perform detailed inspection of aircraft doors structure;		
۷.	safety gears for the task;	iiciit aiiu	1.2 Use aircraft maintenance tool kit.		
3.	Observe health and safet	v when	1.2 Ose unerari manitenanee to	oor kit.	
	performing the task;	<i>j</i>	2.0. Principles		
4.	Observe Tanzania Civil	Aviation	The person must be able to expla	in the principles of:	:
	Authority Regulation;		2.1. Construction of aircraft doors structure;		
5.	Make sure the girt bar is	not	2.2. Assembling and disassembling components of aircraft		
	engaged in the floor-mou	ınted	doors structure;		
	escape slide brackets;		2.3. Determining the degree of structural integrity of aircraft		
6.	Use job instruction card	to	doors structure as per aircraft SRM;		
	maintain:		2.4. Ensure that the aircraft doors sealed well.		
	a) Door drain valves;b) Door retainer bracker	٠.	3.0. Theories		
	b) Door retainer bracketc) Door seals;	ι,	The person must be able to explain:		
	d) Water inside inflatab	le door	3.1 TCAA regulations;		
	seals;		3.2 Maintenance Procedures;		
	e) Door seal control val	ve;	3.3 Basic engineering drawing;		
	f) Door electro-pneuma		3.4 Structural inspection.		
	off valve;		-		
	g) Door drain valve and	reservoir	4.0. Essential skills		
tank;		4.1. Communication skills;			
	h) Heated check valve;		4.2. Time management skills;		
	i) Charge valve;		4.3. Commitment;		
	j) Flap cover;		4.4. Computer skills;		

k) Interlock cam assembly;	4.5. Critical thinking skills;
 Door seal pressurization 	4.6. Problem solving skills;
system desiccant filter;	4.7. Ability to work under pressure;
m) Door seal pressurization	4.8. Interpersonal skills.
system;	
7. Return aircraft to normal	
configuration;	
8. Clean work area, tools and	
components;	
9. Store tools, equipment and safety	
gear appropriately;	
10. Sign job instruction cards and	
maintenance work package;	
11. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description of the end products	Scheduled maintenance of aircraft's doors structure is
/service	performed as per AMM, SRM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

00	CCUPATION	AIRCRAI	T MAINTENANCE OCCUPATION	3143	
ENGINEE		ENGINE	RING TECHNICIAN CODE		
		(AIRFRA	ME & POWERPLANT)		
DU	UTY TITLE	MAINTA	N AIRCRAFT AIRFRAME DUTY NO.	603	
		STRUCT	RE		
TA	ASK TITLE	PERFOR	I UNSCHEDULED TASK NO.	60310	
			IANCE OF AIRCRAFT'S		
			TRUCTURE		
Pe	rformance criteria		performing this task must be able to carry out u		
			ee of aircraft's doors structure as per approved	AMM and	
		SRM.			
Ra	inge statement		will be performed in a hangar or ramp area	under the	
			of a certifying Aircraft Maintenance Engineer.		
			ving equipment, tools and materials will be		
		_	the task: P.P.E, Torque wrench, Flashlight, M	irror, Steps	
		and Tool 1			
DE	RACTICAL PERFORM		ENCE REQUIREMENTS UNDERPINNING KNOWLEDGE		
	e person performing this		Detailed knowledge about:		
	able to do the following:	iask musi	1.0. Methods		
	Review aircraft technica	1	The person performing this task must be able to ex	nlain how	
1.	logbook;	.1	to:	apium no w	
2.	Identify defects on the a	ircraft	1.1. Perform detailed inspection of aircraft doors	structure:	
	doors;		1.2. Use aircraft maintenance tool kit.		
3.	Select right tools, equip	ment and			
	safety gears for the task;		2.0. Principles		
4.	Observe health and safe	ty when	The person must be able to explain the principles	of:	
	performing the task;		2.1. Construction of aircraft doors structure;		
5.	Observe Tanzania Civil	Aviation	2.2. Assembling and disassembling components of aircraft		
	Authority Regulation;		doors structure;		
	Disarm the slide;		2.3. Determining the degree of structural integrity of aircraft		
7.	Use job instruction card		doors structure as per aircraft SRM.		
	a) Door balance mecha		2.0 TEL :		
	b) Door lift mechanism	-	3.0. Theories		
	c) Handrail mechanism		The person must be able to explain:		
	d) Door side panel trim;e) Door electro-pneumatic shut-		3.1 TCAA regulations;		
	e) Door electro-pneum off valve;	alic Silut-	3.2 Maintenance Procedures;3.3 Basic engineering drawing;		
	f) Door seal pressuriza	tion	3.3 Basic engineering drawing;3.4 Structural inspection.		
	system;	11011	5.7 Sauctural inspection.		
	g) Door lift and latch		4.0. Essential skills		
	mechanism;		4.1. Communication skills;		
8.	Return aircraft to norma	1	4.2. Time management skills;		
	configuration;		4.3. Commitment;		
9.	Clean work area, tools a	nd	4.4. Computer skills;		

components;	4.5. Critical thinking skills;	
	4.6. Troubleshooting skills;	
10. Store tools, equipment and safety	4.7. Ability to work under pressure;	
gear appropriately;	4.8. Interpersonal skills.	
11. Submit aircraft technical logbook	-	
to certifying aircraft maintenance		
engineer for signing of aircraft		
certificate of release to service.		
Description of the end products /	Unscheduled maintenance of aircraft's doors structure is	
service	performed as per AMM, SRM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION AIRCRAE		AIRCRA	T MAINTENANCE OCCUPATION CODE	3143	
			RING TECHNICIAN		
		(AIRFRA	ME & POWERPLANT)		
DU	JTY TITLE	MAINTA	N AIRCRAFT DUTY NO.	603	
		AIRFRAI	IE STRUCTURE		
TA	ASK TITLE	PERFOR	I SCHEDULED TASK NO.	60311	
		MAINTE	JANCE OF		
		AIRCRA	T'S NACELLE		
		STRUCT	JRE		
Pe	rformance criteria	The perso	n performing this task must be able to carry our	scheduled	
			ce of aircraft's nacelle structure as per approved A		
		and SRM			
Ra	nge statement	The task	rill be performed in a hangar or ramp area under the	supervision	
			ing Aircraft Maintenance Engineer.		
			ing equipment, tools and materials will be needed in	performing	
			P.E, Tool kit, Mirror, Steps and Flashlight.		
			DENCE REQUIREMENTS		
	RACTICAL PERFOR		UNDERPINNING KNOWLEDGE		
	e person performing thi		Detailed knowledge about:		
	st be able to do the foll		1.0. Methods		
1.	Review maintenance v		The person performing this task must be able to explain how to:		
	package and job instru	ection	1.1 Perform detailed inspection of aircraft nacelle structure;		
	cards;		1.2 Use aircraft maintenance tool kit.		
2.	Select right tools, equi				
	and safety gears for the		2.0. Principles		
3.	Observe health and sat	fety when	The person must be able to explain the principles of:		
	performing the task;	••	2.1. Construction of aircraft nacelle structure;		
4.	Observe Tanzania Civ		2.2. Assembling and disassembling components of a	urcraft	
_	Aviation Authority Re	•	nacelle structure;		
٥.	Use job instruction can	ra to	2.3. Determining the degree of structural integrity of aircraft		
	check:		nacelle structure as per aircraft SRM.		
	a) Nacelle fire floor a	iccess	3.0. Theories		
	panel;b) Nacelle structure, i	fromo and			
	struts;	manne and	The person must be able to explain: 3.1 TCAA regulations;		
	c) Lower cowl hoist;		3.1 TCAA regulations;3.2 Maintenance Procedures;		
	d) Nacelle frame structure	ctural	3.3 Basic engineering drawing;		
	identification;	Cidiai	3.4 Composite material inspection;		
6.	Return aircraft to norn	nal	3.5 Structural inspection.		
"	configuration;		and a substitute map we work.		
7.	Clean work area, tools	and	4.0. Essential skills		
	components;		4.1. Communication skills;		
	1 /		4.2. Time management skills;		
8. Store tools, equipment and			4.3. Commitment;		
	safety gear appropriate		4.4. Computer skills;		

9. Sign job instruction cards and	4.5. Critical thinking skills;	
maintenance work package;	4.6. Problem solving skills;	
10. Submit maintenance work	4.7. Ability to work under pressure;	
package to certifying aircraft	4.8. Interpersonal skills.	
maintenance engineer for		
signing of aircraft certificate of		
release to service.		
Description of the end products /	Scheduled maintenance of aircraft's nacelle structure is	
service	performed as per AMM, SRM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

00	CCUPATION	AIRCRA	FT MAINTENANCE	OCCUPATION	3143
		ENGINE	ERING TECHNICIAN	CODE	
		(AIRFRA	AME & POWERPLANT)		
DU	TY TITLE	MAINTA	AIN AIRCRAFT AIRFRAME	DUTY NO.	603
		STRUCT	TURE		
TA	SK TITLE	PERFOR	M UNSCHEDULED	TASK NO.	60312
			ENANCE OF AIRCRAFT'S		
		+	LE STRUCTURE		
Pe	rformance criteria		on performing this task must be		
		I	nce of aircraft's nacelle structur	re as per approved	AMM and
		SRM.			
Ra	nge statement		will be performed in a hang		under the
			on of a certifying Aircraft Main		1 1 '
			owing equipment, tools and	materials will be	needed in
		-	ng the task:	. Ctana and Taal leid	
			orque wrench, Flashlight, Mirror	, Steps and Tool Ki	
DD	ACTICAL PERFORMA		ENCE REQUIREMENTS UNDERPINNING KNOWLI	FDCF	
	e person performing this ta		Detailed knowledge about:	LDGE	
	able to do the following:	SK IIIuSt	1.0. Methods		
	Review aircraft technical	logbook:		k must he able to ex	nlain how
	Identify defect on the airc		The person performing this task must be able to explain how to:		
۷.	nacelle;	ıuıı	1.1. Perform detailed inspection	on of aircraft nacelle	2
3.	Select right tools, equipme	ent and	structure;		•
	safety gears for the task;		1.2. Use aircraft maintenance	tool kit.	
4.	Observe health and safety	when			
	performing the task;		2.0. Principles		
5.	Observe Tanzania Civil A	viation	The person must be able to exp	olain the principles	of:
	Authority Regulation SRN		2.1. Construction of aircraft nacelle structure;		
6.	Use repair manual to perfe	orm	2.2. Assembling and disassembling components of aircraft		of aircraft
	detailed inspection on:		nacelle structure;		
	a) Lower cowl sling and	•	2.3. Determining the degree of		
	b) Engine lower cowl cov		aircraft nacelle structure a	as per aircraft SRM	•
	c) Nacelle access panels;		2.0 TI		
	d) Upper nacelle seals;		3.0. Theories	1	
	e) Nacelle structure, fran	ne and	The person must be able to explain:		
	struts; f) Upper nacelle seals;		3.1 TCAA regulations;3.2 Maintenance Procedures;		
7. Return aircraft to normal		3.2 Maintenance Procedures;3.3 Basic engineering drawing;			
configuration;		3.4 Composite material inspe	•		
8. Clean work area, tools and		3.5 Structural inspection.			
.	components;	==	and a substitution of the		
	1 /		4.0. Essential skills		
9.	Store tools, equipment and	d safety	4.1. Communication skills;		
	gear appropriately;		4.2. Time management skills;		

10. Submit aircraft technical logbook to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	 4.3. Commitment; 4.4. Computer skills; 4.5. Critical thinking skills; 4.6. Troubleshooting skills; 4.7. Ability to work under pressure; 4.8. Interpersonal skills. 	
Description of the end products /	Unscheduled maintenance of aircraft's nacelle structure is	
service	performed as per AMM, SRM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION	ENGINEER		OCCUPATION CODE	3143
DUTY TITLE		2 & POWERPLANT)	DUTY NO.	603
DUIYIIILE		AIRCRAFT AIRFRAME	DUTY NO.	603
TACIZ TITLE	STRUCTUR		TACIZNO	(0212
TASK TITLE		CHEDULED	TASK NO.	60313
		NCE OF AIRCRAFT'S		
	FURNISHIN	IPMENT AND		
Performance criteria			ha abla ta aarmi ayi	cohodulad
Feriormance criteria		performing this task must of aircraft's cabin equip		
		IM and AMP.	micht and furnishin	igs as per
Range statement		ll be performed in a ha	ngar or ramp area	under the
Range statement		f a certifying Aircraft Mair		under the
		ng equipment, tools and		needed in
		ne task: P.P.E, Tool kit, Min		
		NCE REQUIREMENTS	101, Steps and I lasm	iigiit.
PRACTICAL PERFOR		UNDERPINNING KNO	WLEDGE	
The person performing the		Detailed knowledge abou	 it:	
able to do the following:	s table illust of	1.0. Methods		
1. Review maintenance v	vork package	The person performing the	s task must be able t	o explain
and job instruction car		how to:		
2. Select right tools, equi		1.1 Perform inspection o	f aircraft equipment a	and
safety gears for the tas	•	furnishings;	1 1	
3. Observe health and sa		1.2 Use aircraft maintena	nce tool kit.	
performing the task;	•			
4. Observe Tanzania Civ	il Aviation	2.0. Principles		
Authority Regulation;		The person must be able to explain the principles of:		
5. Use job instruction can	d to maintain:	2.1. Construction of aircraft equipment and furnishings;		
 a) Flight compartment 	nt seats;	2.2. Assembling and disassembling components of		nts of
b) Flight compartmen	nt panels;	aircraft equipment ar	nd furnishings.	
c) Window shade and	l reveal			
assembly;		3.0. Theories		
d) Emergency exit do	orway lining;	The person must be able t	o explain:	
e) Passenger seat;		3.1 TCAA regulations;		
f) Service unit;		3.2 Maintenance Procedures;		
g) Luggage rack;		3.3 Basic engineering dr	awing.	
h) Attendant's seats and panels;		40 5 41 1 191		
i) Engine room insul		4.0. Essential skills		
j) Cockpit emergenc		4.1. Communication skill	·	
k) Insulating blanket;		4.2. Time management sl	KIIIS;	
l) Smoke hood;	······································	4.3. Commitment;		
m) Passenger compar		4.4. Computer skills;	la.	
emergency equipn	ient;	4.5. Critical thinking skil		
n) Galley;		4.6. Problem solving skil	18,	

p) ELT locator and antenna;	4.8. Interpersonal skills.
q) Portable emergency locator	
transmitter;	
r) Ceiling panels;	
6. Return aircraft to normal	
configuration;	
7. Clean work area, tools and	
components;	
8. Store tools, equipment and safety	
gear appropriately;	
9. Sign job instruction cards and	
maintenance work package;	
10. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description of the end products /	Scheduled maintenance of aircraft's equipment and
service	furnishings is performed as per AMM and TCAA
	regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCR	AFT MAINTENANCE	OCCUPATION	3143	
		EERING TECHNICIAN	CODE	31.3	
		AME & POWERPLANT)	0022		
DUTY TITLE	_	AIN AIRCRAFT AIRFRAME	DUTY NO.	603	
	STRUC		20111101		
TASK TITLE		PERFORM UNSCHEDULED TASK NO.			
		ENANCE OF AIRCRAFT'S		60314	
		EQUIPMENT AND			
		FURNISHINGS			
Performance criteria	The per	son performing this task must be	able to carry out u	nscheduled	
	mainten	ance of aircraft's cabin equipn	nent and furnishir	ngs as per	
	approve	d AMM and AMP.			
Range statement	The tas	k will be performed in a hang	gar or ramp area	under the	
	supervis	sion of a certifying Aircraft Mainte	enance Engineer.		
		llowing equipment, tools and r	naterials will be	needed in	
	1	ing the task:			
		Yorque wrench, Flashlight, Mirror,	Steps and Tool kit.		
		IDENCE REQUIREMENTS			
PRACTICAL PERFORM		UNDERPINNING KNOWLED	GE		
The person performing this		Detailed knowledge about:			
must be able to do the follo	_	1.0. Methods			
1. Review aircraft technica	ıl	The person performing this task must be able to explain how			
logbook;		to:			
2. Identify defect on the ai		1.1. Perform inspection of aircr	aft equipment and		
equipment and furnishin	•	furnishings;	111.		
3. Select right tools, equip		1.2. Use aircraft maintenance too	ol Kit.		
and safety gears for the		2.0 Duin simles			
4. Observe health and safe when performing the tas	•	2.0. Principles The person must be able to expla	in the principles of		
5. Observe Tanzania Civil		2.1. Construction of aircraft equi			
Aviation Authority Reg		2.2. Assembling and disassembling components of aircraft			
6. Use FIM to troubleshoo	-	equipment and furnishings.			
a) Hot jug;		equipment and furnishings.			
b) Galley oven control	s and	3.0. Theories			
indication;		The person must be able to explain	in:		
c) Passenger compartn	nent	3.1 TCAA regulations;			
emergency equipme		3.2 Maintenance Procedures;			
Return aircraft to normal		3.3 Basic engineering drawing;			
configuration;		3.4 Troubleshooting techniques.			
d) reveal assembly;					
e) Luggage rack;		4.0. Essential skills			
7. Clean work area, tools a	ınd	4.1. Communication skills;			
components;		4.2. Time management skills;			
8. Store tools, equipment a		4.3. Commitment;			
safety gear appropriatel	y;	4.4. Computer skills;			

9. Submit aircraft technical	4.5. Critical thinking skills;
logbook to certifying aircraft	4.6. Troubleshooting skills;
maintenance engineer for	4.7. Ability to work under pressure;
signing of aircraft certificate of	4.8. Interpersonal skills.
release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's equipment and
service	furnishings is performed as per AMM, SRM and TCAA
	regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

00	CCUPATION			INTENANCE	OCCUPATION	3143
		ENGINEER	RING	TECHNICIAN	CODE	
		(AIRFRAM	E & I	POWERPLANT)		
DU	UTY TITLE	MAINTAIN	I AIR	CRAFT APU	DUTY NO.	604
TA	ASK TITLE	PERFORM			TASK NO.	6041
_	6	MAINTEN.			1.1	1 1 1 1
Pe	rformance criteria	maintenance	e of ai	orming this task must be reraft's APU as per approv	ed AMM and AMP	•
Ra	inge statement			performed in a hangar or rai		upervision
				rcraft Maintenance Enginee		
			_	equipment, tools and m		
				sk: P.P.E, Tool kit, Mirror,	Steps and Flashligh	ıt.
				E REQUIREMENTS		
	RACTICAL PERFORM			DERPINNING KNOWLE	EDGE	
	e person performing this			ailed knowledge about:		
	able to do the following:			Methods		
1.	Review maintenance we	1 0		person performing this task	x must be able to exp	plain how
	and job instruction card	•	to:	5 0	0 . 0 . 777	
2.	Select right tools, equip		1.1	Perform operational tests		
_	safety gears for the task;		1.2	Use aircraft maintenance	tool kit.	
3.	Observe health and safe	ety when	2.0	D		
,	performing the task;			Principles	1 ' 41 ' ' 1	C
4.	Observe Tanzania Civil	Aviation		person must be able to exp		1:
_	Authority Regulation;	6		Operation of the aircraft A		T T
5.	11 / 1	craft using	2.2.	Assembling and disassem	olling of aircraft AP	U
6	ground power unit; Use job instruction card	l to inspect:	components; 2.3. Determining serviceability of aircraft APU.			
0.	a) APU bleed valves;	i to mspect.	2.5.	Determining serviceability	y of afficiant Af O.	
	b) Ignition cables;		3.0.	Theories		
	c) Fuel manifold;			person must be able to exp	lain·	
	d) Oil filter;			TCAA regulations;	14111.	
	e) Fuel filter;			Maintenance Procedures;		
	f) Air inlet ducts;			Basic engineering drawing	<u>o</u> .	
7.	Use job instruction card	l to			5.	
	maintain:		4.0.	Essential skills		
	a) APU oil;		4.1.	Communication skills;		
	b) Oil cooler;			Time management skills;		
	c) Fuel metering unit;			Commitment;		
	d) Ignition exciter;		4.4.	Computer skills;		
8.	Return aircraft to norma	al	4.5.	Critical thinking skills;		
	configuration;		4.6.	Problem solving skills;		
9.	Clean work area, tools a	and	4.7.	Ability to work under pres	ssure;	
	components;		4.8.	Interpersonal skills.		
10	. Store tools, equipment a	and safety				

gear appropriately; 11. Sign job instruction cards and maintenance work package; 12. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	
Description of the end products / service	Scheduled maintenance of aircraft's APU is performed as per AMM, SRM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPA	ATION		T MAINTENANCE	OCCUPATION	3143
			RING TECHNICIAN ME & POWERPLANT)	CODE	
DUTY T	ITI E		N AIRCRAFT APU	DUTY NO.	604
DUITI	IILE	MAINTAI	IN AIRCRAFT AFU	DUTT NO.	004
TASK TI	TLE		M UNSCHEDULED	TASK NO.	6042
			NANCE ON APU	1.1	
1 -		n performing this task must be a ce of aircraft's APU as per app	•		
Range sta	atement		will be performed in a hang		inder the
			n of a certifying Aircraft Maint		
			wing equipment, tools and n		
			g the task: P.P.E, Torque wren	ch, Flashlight, Mirr	or, Steps
		and Tool k			
DD 4 CEL	CAL PERSONAL		NCE REQUIREMENTS	ED CE	
	CAL PERFORMA		UNDERPINNING KNOWI	LEDGE	
	w aircraft technical		Detailed knowledge about:		
	fy defect on aircraf		1.0. Methods	1 .1 11 .	1 .
	right tools, equipm	nent and	The person performing this ta	sk must be able to e	xplaın
	gears for the task;		how to:		
	ve health and safety ming the task;	y when	1.1 Perform operational tests of aircraft APU;1.2 Use aircraft maintenance tool kit;		
_	nning me task, ve Tanzania Civil A	Azziation	1.3 Supply power to the aircraft using ground power		
	rity Regulation;	Aviation	unit.		
	y power to the airca	aft using	unit.		
	d power unit;	art asing	2.0. Principles		
	MM to maintain:		The person must be able to ex	plain the principles	of:
a) Al	PU control unit;		2.1. Operation of the aircraft APU;		
b) Al	PU bleed air valve;		2.2. Assembling and disassembling of aircraft APU		
c) Fu	iel leak;		components;		
d) Fu	iel nozzles;		2.3. Determining serviceability of aircraft auxiliary power		
8. Us	se FIM to troublesh		unit.		
a)	Bleed air syst	em;			
b)	Fuel system		3.0. Theories	1 .	
c)	Ignition system		The person must be able to explain:		
	arry out operational	test as per	<u> </u>		
AMM 10 Re	eturn aircraft to nor	mal	3.2. Maintenance Procedures;3.3. Basic engineering drawing.		
	guration	11141	3.3. Dasic engineering drawn	ng.	
_	ean work area, tool	s and	4.0. Essential skills		
compo	•	unu	4.1. Communication skills;		
_	ore tools, equipmer	nt and	4.2. Time management skills;		
	gear appropriately		4.3. Commitment;		
	bmit aircraft techn		4.4. Computer skills;		
logboo	ok to certifying airc	raft	4.5. Critical thinking skills;		

maintenance engineer for signing of aircraft certificate of release to service	4.6. Troubleshooting skills;4.7. Ability to work under pressure;4.8. Interpersonal skills.	
Description of the end products /	Unscheduled maintenance of aircraft's APU is performed	
service	as per AMM, FIM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION	AIRCRAI	MAINTENANCE OCCUPATION	ON 3143	
		RING TECHNICIAN CODE	ļ	
		IE & POWERPLANT)		
DUTY TITLE		N AIRCRAFT PISTON DUTY NO.	605	
	ENGINE			
TASK TITLE		SCHEDULED TASK NO.	6051	
		ANCE OF THE		
		F'S PISTON ENGINE		
D 6	STRUCT		. 1 1 1 1	
Performance criteria		performing this task must be able to carry		
		e of aircraft's piston engine structure as per a	pproved Alvilvi,	
Danga statament		ngine maintenance manual.	eroe under the	
Range statement		will be performed in a hangar or ramp of a certifying Aircraft Maintenance Engineer		
	*	ring equipment, tools and materials will		
		the task: P.P.E, Tool kit, Mirror, Steps and Fl		
	_	ENCE REQUIREMENTS	asinight.	
PRACTICAL PERFORM		UNDERPINNING KNOWLEDGE		
The person performing this		Detailed knowledge about:		
be able to do the following:		1.0. Methods		
1. Review maintenance we		The person performing this task must be able	to explain how	
package and job instruc		to:		
cards;		1.1 Perform inspection on aircraft piston eng	gine;	
2. Select right tools, equip	ment and	1.2 Perform engine compression test;	•	
safety gears for the task	;	1.3 Use aircraft maintenance tool kit.		
3. Observe health and safe	ty when			
performing the task;		2.0. Principles		
4. Observe Tanzania Civil	Aviation	The person must be able to explain the principles of:		
Authority Regulation;		2.1. Operation of the aircraft piston engine;		
5. Use job instruction card	l to	2.2. Assembling and disassembling of aircra	ft piston engine	
inspect:		components;		
a) engine mountings;		2.3. Determining serviceability of aircraft pi	ston engine.	
b) engine crankcase;	1	2.0 TI .		
c) piston engine cylind	ier	3.0. Theories		
assembly;		The person must be able to explain:		
d) crankshaft assembly		3.1. TCAA regulations;		
e) Engine cowling andf) connecting rods;	barries,	3.2. Maintenance Procedures;3.3. Basic engineering drawing.		
f) connecting rods; g) Accessory Drive;		5.5. Dasic engineering drawing.		
h) Vacuum Pump Driv	en Gear	4.0. Essential skills		
i) Vacuum Pump;	on Gour,	4.1. Communication skills;		
j) Propeller Governor	Drive:	4.2. Time management skills;		
6. Use job instruction card		4.3. Commitment;		
perform borescope insp		4.4. Computer skills;		
the engine cylinders;		4.5. Critical thinking skills;		

7. Use job instruction card to	4.6. Problem solving skills;
perform engine compression test;	4.7. Ability to work under pressure;
8. Return aircraft to normal	4.8. Interpersonal skills.
configuration;	
9. Clean work area, tools and	
components;	
10. Store tools, equipment and safety	
gear appropriately;	
11. Sign job instruction cards and	
maintenance work package;	
12. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for signing	
of aircraft certificate of release to	
service.	
Description of the end products	Scheduled maintenance of aircraft's piston engine structure
	is performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION			MAINTENANCE	OCCUPATION	3143
			NG TECHNICIAN	CODE	
			& POWERPLANT)	DUTYNO	605
DUTY TITLE	ENGIN		AIRCRAFT PISTON	DUTY NO.	605
TASK TITLE			NSCHEDULED	TASK NO.	6052
TASK TITLE			NCE OF THE	TASK NO.	0032
			S PISTON ENGINE		
	STRUC				
Performance criteria	The per	son p	erforming this task must be ab	ole to carry out unsc	heduled
			of aircraft's piston engine		pproved
			nd Engine Maintenance Manu		
Range statement			ll be performed in a hanga		ider the
	_		f a certifying Aircraft Mainten	<u> </u>	1 1 '
			ng equipment, tools and ma		
	kit.	ıng u	ne task: P.P.E, Torque wrench	, riasniight, steps a	na 1001
		DEN	CE REQUIREMENTS		
PRACTICAL PERFORM			DERPINNING KNOWLEDO	GE	
1. Review aircraft technic	al	Detailed knowledge about:			
logbook;		1.0. Methods			
2. Identify defect on aircra	aft piston	The person performing this task must be able to explain how			
engine;		to:			
3. Select right tools, equip		1.1	Perform inspection on aircra		
and safety gears for the		1.2	Use aircraft maintenance too	ol kit.	
4. Observe health and safe	ety when	2.0	Dwinsinles		
performing the task; 5. Observe Tanzania Civil		2.0.	Principles person must be able to explain	the principles of	
Aviation Authority Reg			Operation of the aircraft pist		
6. Use FIM to troubleshoo		2.2. Assembling and disassembling of aircraft piston engine			engine
engine structure;	rt piston	2.2.	and components;	ng or unclust piston	engme
7. Disassemble piston eng	ine	2.3.	Determining serviceability o	f aircraft piston engi	ine.
structure as per AMM;			Ş	1 0	
8. Use engine maintenance	e manual	3.0.	Theories		
to inspect piston engine	;		person must be able to explain	1:	
components;		3.1. TCAA regulations;			
9. Assemble aircraft piston engine		3.2. Maintenance Procedures;			
as per engine maintenar	nce	3.3.	Basic engineering drawing.		
manual; 10. Return aircraft to norm;	a1	4.0.	Essential skills		
configuration;	41	4.1.			
11. Clean work area, tools a	and	4.2.	Time management skills;		
components;	~11 u	4.3.	_		
12. Store tools, equipment	and	4.4. Computer skills;			
safety gear appropriatel		4.5.			

13. Submit aircraft technical	4.6. Troubleshooting skills;
logbook to certifying aircraft	4.7. Ability to work under pressure;
maintenance engineer for	4.8. Interpersonal skills.
signing of aircraft certificate of	
release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's piston engine structure
service	is performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	A ID CD A	FT MAINTENANCE	OCCUPATION	3143
OCCUPATION		ERING TECHNICIAN	CODE	3143
		ME & POWERPLANT)	CODE	
DUTY TITLE		IN AIRCRAFT PISTON	DUTY NO.	605
DOTTITLE	ENGINE	IN AIRCRAFT FISTON	DUIT NO.	003
TASK TITLE		M SCHEDULED	TASK NO.	6053
TASK TITLE		NANCE OF THE	TASK NO.	0033
		FT'S PISTON ENGINE FUEL		
		NTROL SYSTEM		
Performance criteria		on performing this task must be	able to carry out	scheduled
1 crioi manee criteria		nce of aircraft's piston engine fu		
		AMM, AMP and Engine Mainte		om as per
Range statement		will be performed in a hang		under the
		on of a certifying Aircraft Mainte		
		owing equipment, tools and n		needed in
		g the task: P.P.E, Tool kit,		
	Flashlight	-	•	•
	EVID	ENCE REQUIREMENTS		
PRACTICAL PERFOR	MANCE	UNDERPINNING KNOWLE	EDGE	
The person performing th	is task must	Detailed knowledge about:		
be able to do the followin	g:	1.0. Methods:		
1. Review maintenance	1 0	The person performing this task must be able to explain how		
and job instruction car	•	to:		
2. Select right tools, equ		1.1 Perform operational tests of	of aircraft piston eng	gine fuel
safety gears for the ta		and control;		
3. Observe health and sa	fety when	1.2 Use aircraft maintenance t	ool kit.	
performing the task;				
4. Observe Tanzania Civ		2.0. Principles:	1 ' 41 ' ' 1	c
Authority Regulation;		The person must be able to exp		
5. Use job instruction ca	ra to inspect:	2.1. Operation of the aircraft piston engine fuel and control		
a) piston rings;	Jag.	system; 2.2. Assembling and disassem	bling of aircraft nigt	on ongina
b) engine control cabc) push-pull tubes;	nes,			on engine
d) spark plugs;		fuel and control system components; 2.3. Determining serviceability of aircraft piston engine		
e) injection nozzle;		fuel and control system;	y of afferant piston c	ngme
f) fuel manifold;		2.4. Special specification for fuel system maintenance.		ince
g) engine fuel pumps	ı•	2.4. Special specification for i	dei system mamtene	ince.
h) fuel filter;	·•	3.0. Theories		
6. Use job instruction card to		The person must be able to explain:		
examine:		3.1. TCAA regulations;		
a) gaskets and seals;		3.2. Maintenance Procedures;		
b) the fuel injectors;		3.3. Basic engineering drawing.		
c) all fuel lines;			_	
d) tank;		4.0. Essential skills		
e) fuel selector switc	h;	4.1. Communication skills		

7. Return aircraft to normal	4.2. Time management skills;
configuration;	4.3. Commitment;
8. Clean work area, tools and	4.4. Computer skills;
components;	4.5. Critical thinking skills;
9. Store tools, equipment and safety	4.6. Problem solving skills;
gear appropriately;	4.7. Ability to work under pressure;
10. Sign job instruction cards and maintenance work package;	4.8. Interpersonal skills.
11. Submit maintenance work package	
to certifying aircraft maintenance	
engineer for signing of aircraft	
certificate of release to service.	
Description of the end products /	Scheduled maintenance of aircraft's piston engine fuel and
service	control system is performed as per AMM, AMP and TCAA
	regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

			I		
OCCUPATION		T MAINTENANCE	OCCUPATION	3143	
		RING TECHNICIAN	CODE		
	(AIRFRAN	ME & POWERPLANT)			
DUTY TITLE	MAINTAI	N AIRCRAFT PISTON	DUTY NO.	605	
	ENGINE				
TASK TITLE	PERFORM	I UNSCHEDULED	TASK NO.	6054	
	MAINTEN	IANCE OF THE AIRCRAFT 'S			
	PISTON E	NGINE FUEL AND CONTROL			
	SYSTEM				
Performance criteria		performing this task must be ab	le to carry out uns	cheduled	
		ce of aircraft's piston engine fuel			
		AMM AMP Engine Maintenance M		ws p-1	
Range statement		will be performed in a hangar		nder the	
Range statement		of a certifying Aircraft Maintenar		inder the	
	_	wing equipment, tools and ma	_	eeded in	
		the task: P.P.E, Tool kit, T			
	Flashlight.	the task. T.I.L, 1001 kit, I	orque wrenen, s	icps and	
		DENCE REQUIREMENTS			
PRACTICAL PERFORM		UNDERPINNING KNOWLED	GE.		
The person performing thi		Detailed knowledge about:	GL		
be able to do the following		1.0. Method			
1. Review aircraft technic	•	The person performing this task must be able to explain how			
logbook;	zai	to:	must be uble to expl	am now	
2. Identify defect on aircr	raft niston	1.1 Perform operational tests of	aircraft niston engi	ne fuel	
engine fuel and control		and control;	anotati piston engi	ne ruer	
3. Select right tools, equi		1.2 Use aircraft maintenance too	d kit		
safety gears for the tas		1.2 Ose afferant maintenance tool kit.			
4. Observe health and saf		2.0. Principles			
performing the task;	ety when	1	in the principles of:		
5. Observe Tanzania Civi	il Assistion	The person must be able to explain the principles of: 2.1. Operation of the aircraft piston engine fuel and control			
Authority Regulation;	II Avianon	system;			
6. Use FIM to troublesho	at nistan	2.2. Assembling and disassemb	ling of sinonoft nigt	o n	
	1	1	•	OII	
engine fuel and control 7. Return aircraft to norm	•	engine fuel and control syst	-		
	iai	2.3. Determining serviceability	of afferant piston e	ngme	
configuration;	4	fuel and control system;			
8. Clean work area, tools and		2.4. Special specification for fuel system maintenance.			
components;	1 C-4				
9. Store tools, equipment	and safety	3.0. Theories			
gear appropriately;		The person must be able to explain:			
10. Submit aircraft technic	_	3.1. TCAA regulations;			
to certifying aircraft maintenance		3.2. Maintenance Procedures;			
engineer for signing of		3.3. Basic engineering drawing	5.		
certificate of release to	service.				

	4.0. Essential skills				
	4.1. Communication skills;				
	4.2. Time management skills;				
	4.3. Commitment;				
	4.4. Computer skills;				
	4.5. Critical thinking skills;				
	4.6. Problem solving skills;				
	4.7. Ability to work under pressure;				
	4.8. Interpersonal skills.				
Description of the end products /	Unscheduled maintenance of aircraft's piston engine fuel and				
service	control system is performed as per AMM, FIM and TCAA				
	regulations.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

OCCUPATION AIRCRAFT		T MA	AINTENANCE	OCCUPATION	3143
			G TECHNICIAN	CODE	
		(AIRFRAME & POWERPLANT)			
DUTY TITLE		N AI	RCRAFT PISTON	DUTY NO.	605
ENGINE			IEDIH ED	TACIZNO	(055
TASK TITLE	PERFORM		TEDULED CE OF THE AIRCRAFT'S	TASK NO.	6055
			NE IGNITION SYSTEM		
Performance criteria			performing this task must be able to carry out scheduled		
Terrormance erreera			aircraft's piston engine ign		
			d Engine Maintenance Manu		uppro
Range statement			be performed in a hanga		under the
			certifying Aircraft Maintena		
			equipment, tools and m		needed in
			ask: P.P.E, Tool kit, Torque	wrench and Steps.	
			E REQUIREMENTS		
PRACTICAL PERFORM			DERPINNING KNOWLE	DGE	
The person performing this	task must		ailed knowledge about:		
be able to do the following:	1 1		Methods	.1 11 .	1 ' 1
1. Review maintenance wo		The person performing this task must be able to explain how			
and job instruction cardsSelect right tools, equip	•	to: 1.1 Perform operational tests of aircraft piston engine			
safety gears for the task;		ignition system;			
3. Observe health and safe		1.2 Use aircraft maintenance tool kit.			
performing the task;	ty when				
4. Observe Tanzania Civil	Aviation	2.0.	Principles		
Authority Regulation;		The person must be able to explain the principles of:			
5. Use job instruction card	to inspect:	2.1. Operation of the aircraft piston engine ignition system;			
a) spark plugs;		2.2. Assembling and disassembling of aircraft piston engine			
b) ignition harness;		ignition system components;			
c) ignition switch;		2.3. Determining serviceability of aircraft piston engine			ngine
6. Examine magnetos as pe	er job		ignition system.		
instruction card;	aina timina	2.0	Thoowing		
7. Perform Magneto-to-En check as job instruction	-				
8. Return aircraft to norma		The person must be able to explain: 3.1. TCAA regulations;			
configuration;	1	3.2. Maintenance Procedures;			
9. Clean work area, tools a	_		3.3. Basic engineering drawing.		
components;			<i>5</i> - <i>5 M</i>		
10. Store tools, equipment a	nd safety	4.0. Essential skills			
gear appropriately;	-	4.1. Communication skills;			
11. Sign job instruction card		4.2. Time management skills;			
maintenance work packa		4.3. Commitment;			
12. Submit maintenance wo					
to certifying aircraft maintenance			Critical thinking skills;		

engineer for signing of aircraft	4.6. Problem solving skills;			
certificate of release to service.	4.7. Ability to work under pressure;			
	4.8. Interpersonal skills.			
Description of the end products	Scheduled maintenance of aircraft's piston engine ignition			
	system is performed as per AMM, AMP and TCAA			
	regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

			ī	
OCCUPATION		FT MAINTENANCE	OCCUPATION	3143
		ERING TECHNICIAN	CODE	
	(AIRFR	AME & POWERPLANT)		
DUTY TITLE	MAINTA	AIN AIRCRAFT PISTON	DUTY NO.	605
	ENGINE			
TASK TITLE	PERFOR	M UNSCHEDULED	TASK NO.	6056
	MAINTE	ENANCE OF THE		
	AIRCRA	FT'S PISTON ENGINE		
	IGNITIC	N SYSTEM		
Performance criteria	The person	on performing this task must be	able to carry out ur	scheduled
		nce of aircraft's piston ignition s		
		d Engine Maintenance Manual.		
Range statement		will be performed in a hang	gar or ramp area	under the
		on of a certifying Aircraft Maint		
	The foll	owing equipment, tools and r	naterials will be	needed in
		ng the task: P.P.E, Tool kit, Torq		
		DENCE REQUIREMENTS		
PRACTICAL PERFORM	MANCE	UNDERPINNING KNOWLE	DGE	
The person performing thi	s task must	Detailed knowledge about:		
be able to do the following	7:	1.0. Methods		
1. Review aircraft technic		The person performing this task	must be able to ex	plain how
2. Identify defect on airci		to:	•	-
engine ignition system	;	1.1 Perform operational tests of	of aircraft piston eng	gine
3. Select right tools, equi	pment and	ignition system;	-	
safety gears for the tas	k;	1.2 Use aircraft maintenance t	ool kit.	
4. Observe health and saf	fety when			
performing the task;		2.0. Principles		
5. Observe Tanzania Civ	il Aviation	The person must be able to exp	lain the principles o	f:
Authority Regulation;		2.1. Operation of the aircraft p	iston engine ignition	n system;
6. Troubleshoot aircraft p	oiston	2.2. Assembling and disassembling of aircraft piston engine		
engine magneto-to-eng	gine timing	ignition system components;		
as per FIM;		2.3. Determining serviceability of aircraft piston engine		
7. Examine magnetos as	AMM;	ignition system.		
8. Carry out operational t	est as per			
AMM;		3.0. Theories		
9. Return aircraft to norm	nal	The person must be able to explain:		
configuration;		3.1. TCAA regulations;		
10. Clean work area, tools and		3.2. Maintenance Procedures;		
components;		3.3. Basic engineering drawing	5.	
11. Store tools, equipment	and safety			
gear appropriately;		4.0. Essential skills		
12. Submit aircraft technic		4.1. Communication skills;		
to certifying aircraft maintenance		4.2. Time management skills;		
engineer for signing of		4.3. Commitment;		
certificate of release to	service.	4.4. Computer skills;		

	4.5. Critical thinking skills;				
	4.6. Troubleshooting skills;				
	4.7. Ability to work under pressure;				
	4.8. Interpersonal skills.				
Description of the end products /	Unscheduled maintenance of aircraft's piston engine ignition				
service	system is performed as per AMM, FIM and TCAA				
	regulations.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

OCCUPATION		AFT MAINTENANCE	OCCUPATION	3143			
		IEERING TECHNICIAN	CODE				
DUTY TITLE	_	RAME & POWERPLANT) FAIN AIRCRAFT PISTON	DUTY NO.	605			
DUTYTILLE	ENGIN		DUTY NO.	003			
TASK TITLE		DRM SCHEDULED	TASK NO.	6057			
TASK TITLE		TENANCE OF THE	IASK NO.	0037			
		AFT'S PISTON ENGINE					
		CTION SYSTEM					
Performance criteria			able to carry out s	cheduled			
1 chormance criteria	The person performing this task must be able to carry out scl maintenance of aircraft's piston engine induction system						
		approved AMM, AMP Engine Maintenance Manual.					
Range statement		sk will be performed in a hange		ınder the			
runge statement		sion of a certifying Aircraft Mainten		inder the			
		llowing equipment, tools and m		eeded in			
		ning the task: P.P.E, Tool kit, Torqu					
	EV	IDENCE REQUIREMENTS		-			
PRACTICAL PERFORM		UNDERPINNING KNOWLEDO	GE				
The person performing this t	ask	Detailed knowledge about:					
must be able to do the follow	ing:	1.0. Methods					
1. Review maintenance wor	rk	The person performing this task must be able to explain how					
package and job instructi	on	to:					
cards;		1.1 Perform operational tests of a	ircraft piston engine	9			
2. Select right tools, equipm		induction system;					
and safety gears for the t		1.2 Use aircraft maintenance tool	kit.				
3. Observe health and safet	y when						
performing the task;		2.0. Principles					
4. Observe Tanzania Civil		The person must be able to explain					
Aviation Authority Regu		2.1. Operation of the aircraft pisto					
5. Use job instruction card	to	2.2. Assembling and disassembling		engine			
inspect:		induction system components					
a) Intake pipe;		2.3. Determining serviceability of	aircraft piston engi	ne			
b) Intake filter;		induction system.					
c) Warming device;		2.0 Therein					
d) Throttle valve;		3.0. Theories					
e) Fuel Drain Valve Adapter		The person must be able to explain	1:				
Assembly; 6. Return aircraft to normal		3.1. TCAA regulations;					
6. Return aircraft to normal configuration;		3.2. Maintenance Procedures;3.3. Basic engineering drawing.					
7. Clean work area, tools ar	nd	J.J. Dasic engineering drawing.					
components;	ıu	4.0. Essential skills					
8. Store tools, equipment as	nd	4.1. Communication skills;					
safety gear appropriately		4.2. Time management skills;					
9. Sign job instruction card		4.3. Commitment;					
maintenance work packa		4.4. Computer skills;					
mamichance work packa	5°,	T.T. Computer skins,					

10. Submit maintenance work	4.5. Critical thinking skills;				
package to certifying aircraft	4.6. Problem solving skills;				
maintenance engineer for	4.7. Ability to work under pressure;				
signing of aircraft certificate of	4.8. Interpersonal skills.				
release to service.					
Description of the end products /	Scheduled maintenance of aircraft's piston engine induction				
service	system is performed as per AMM, AMP and TCAA				
	regulations.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

OCCUPATION		RAFT MAINTENANCE INEERING TECHNICIAN		OCCUPATION CODE	3143	
			IE & POWERPLANT)	CODE		
DUTY TITLE	_		N AIRCRAFT PISTON	DUTY NO.	605	
DOTT TITLE	ENGI		Vintelan i i isi siy		005	
TASK TITLE			UNSCHEDULED	TASK NO.	6058	
			ANCE OF THE			
			T'S PISTON ENGINE			
	INDU	DUCTION SYSTEM				
Performance criteria	The po	erson	performing this task must be	able to carry out un	nscheduled	
	mainte	enanc	e of aircraft's piston engine ind	luction system as pe	r approved	
			P and Engine Maintenance Mai			
Range statement			will be performed in a hang		under the	
	-		of a certifying Aircraft Mainte	<u> </u>		
			ving equipment, tools and r			
			the task: P.P.E, Tool kit, Torqu	e wrench and Steps	•	
			ENCE REQUIREMENTS			
PRACTICAL PERFORMA	ANCE	UNI	DERPINNING KNOWLEDG	E		
The person performing this t			ailed knowledge about:			
must be able to do the follow	_		Methods			
1. Review aircraft technical		The person performing this task must be able to explain how to:				
logbook;		1.1 Perform operational tests of aircraft piston engine ignition				
2. Identify defect on aircraf	t	system;				
piston engine induction		1.2	Use aircraft maintenance tool	kıt.		
system;	4	2.0	Desire similar			
3. Select right tools, equipm			Principles	the minerial of		
and safety gears for the ta4. Observe health and safety			person must be able to explain		xxatam.	
when performing the task			Operation of the aircraft pisto			
5. Observe Tanzania Civil	Σ,	2.2. Assembling and disassembling of aircraft piston engine induction system components;			ingine	
Aviation Authority Regu	lation:	23	Determining serviceability of		ne	
6. Troubleshoot aircraft pist		2.3.	induction system.	uneran piston engi	10	
engine induction system			222222			
FIM;	1	3.0.	Theories			
7. Carry out operational test	t as	The	person must be able to explain	:		
per AMM;		3.1.	TCAA regulations;			
8. Return aircraft to normal		3.2.	Maintenance Procedures;			
configuration;			Basic engineering drawing.			
9. Clean work area, tools and						
components;		4.0.	Essential skills			
10. Store tools, equipment ar			Communication skills;			
safety gear appropriately;			Time management skills;			
11. Submit aircraft technical			Commitment;			
logbook to certifying airc			Computer skills;			
maintenance engineer for	•	4.5.	Critical thinking skills;			

signing of aircraft certificate of	4.6. Troubleshooting skills;		
release to service.	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description of the end products /	Unscheduled maintenance of aircraft's piston engine induction		
service	system is performed as per AMM, FIM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

00	CCUPATION	ENGINEE	RINC	AINTENANCE G TECHNICIAN	OCCUPATION CODE	3143	
		. \		POWERPLANT)			
DU	UTY TITLE	MAINTAI	N AII	RCRAFT PISTON ENGINE	DUTY NO.	605	
TA	ASK TITLE	PERFORM			TASK NO.	6059	
			AINTENANCE OF THE AIRCRAFT'S STON ENGINE OIL SYSTEM				
Pe	rformance criteria			forming this task must be	able to carry out	scheduled	
		-	-	aircraft's piston engine oil sy	_		
				e Maintenance Manual.	1 11	,	
Ra	nge statement			performed in a hangar or rai	np area under the s	supervision	
	J			ircraft Maintenance Engineer		•	
		The follow	ing e	quipment, tools and materials	will be needed in 1	performing	
		the task: P.	P.E, 7	Tool kit, Torque wrench, Cott	on rags, Oil and Ste	ps.	
		EV	IDEN	ICE REQUIREMENTS			
PF	RACTICAL PERFOR	MANCE	UN	DERPINNING KNOWLED	GE		
	e person performing thi			ailed knowledge about:			
	able to do the following			Methods			
1.	Review maintenance v		The person performing this task must be able to explain how to:				
	package and job instruction			1.1 Perform operational tests of aircraft piston engine oil			
_	cards;			system;			
2.	Select right tools, equi safety gears for the tas		1.2	Use aircraft maintenance too	l kit.		
3.	Observe health and sa	fety when	2.0.	Principles			
	performing the task;		The	person must be able to explai	n the principles of:		
4.	Observe Tanzania Civ	il Aviation	2.1. Operation of the aircraft piston engine oil system;				
	Authority Regulation;		2.2. Assembling and disassembling of aircraft piston engine				
5.	Use job instruction can	rd to	oil system components;				
	examine:		2.3. Determining serviceability of aircraft piston engine oil			gine oil	
	a) Oil pressure relief		system;				
	b) Thermostatic oil co	ooler	2.4.	Special specification for oil	system maintenance	e.	
	bypass valve;		2.0				
	c) Oil lines;	1. 1 1		Theories			
6.	Use job instruction can	rd to check:		person must be able to explai	n:		
a) Oil filter;		3.1. TCAA regulations;					
b) Oil pump;c) Oil radiator;		3.2. Maintenance Procedures;3.3. Basic engineering drawing.					
,			3.3.	basic engineering drawing.			
d) Magnetic plug;e) Oil levels in piston engine;			4.0. Essential skills				
7.	Use job instruction car	-		Communication skills;			
/•	inspect:	14 tO	4.1. Communication skins; 4.2. Time management skills;				
	a) Oil sump drain plu	ισ:	4.3.	_			
	b) Oil sump;	·6 [,]	4.4. Computer skills;				
	c) Oil pressure screen	n:	4.5. Critical thinking skills;				

8. Change piston engine oil as per	4.6. Problem solving skills;
AMM;	4.7. Ability to work under pressure;
9. Return aircraft to normal	4.8. Interpersonal skills.
configuration;	-
10. Clean work area, tools and	
components;	
11. Store tools, equipment and safety	
gear appropriately;	
12. Sign job instruction cards and	
maintenance work package;	
13. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for signing	
of aircraft certificate of release to	
service.	
Description of the end products /	Scheduled maintenance of aircraft's piston engine oil system is
service	performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	ENGINE	AFT MAINTENANCE EERING TECHNICIAN	OCCUPATION CODE	3143	
		AME & POWERPLANT)			
DUTY TITLE		AIN AIRCRAFT PISTON ENGINE	DUTY NO.	605	
TASK TITLE		RM UNSCHEDULED	TASK NO.	60510	
		ENANCE OF THE AIRCRAFT'S			
		ISTON ENGINE OIL SYSTEM			
Performance criteria		son performing this task must be ab			
		ance of aircraft's piston engine induc	• •	approved	
		MP and Engine Maintenance Manual.			
Range statement		will be performed in a hangar or ran	np area under the si	upervision	
		fying Aircraft Maintenance Engineer.			
		owing equipment, tools and materials			
		P.P.E, Tool kit, Torque wrench, Cotto	n rags, Oil and Step	os.	
DD 4 CELC 44 DEDECODA		VIDENCE REQUIREMENTS			
PRACTICAL PERFORM		UNDERPINNING KNOWLEDGE			
The person performing this		Detailed knowledge about:			
must be able to do the follo	_	1.0. Methods	1 11 . 1		
1. Review aircraft technic	al	The person performing this task must be able to explain how to:			
logbook;	α	1.1 Perform operational tests of aircraft piston engine oil system;1.2 Use aircraft maintenance tool kit.			
2. Identify defect on aircra	art piston	1.2 Use aircraft maintenance tool kit.			
engine oil system;	mont	2.0. Principles			
3. Select right tools, equip and safety gears for the		The person must be able to explain the	a nringinles of:		
4. Observe health and safe		2.1. Operation of the aircraft piston of			
performing the task;	ty when	2.2. Assembling and disassembling of		rine oil	
5. Observe Tanzania Civil		system components;			
Aviation Authority Reg		2.3. Determining serviceability of aircraft piston engine oil			
6. Troubleshoot aircraft pi		system;			
engine induction systen		2.4. Special specification for oil system maintenance.			
FIM;	P	z special special and special			
7. Carry out operational te	est as per	3.0. Theories			
AMM;	1	The person must be able to explain:			
8. Return aircraft to norma	al	3.1. TCAA regulations;			
configuration;		3.2. Maintenance Procedures;			
9. Clean work area, tools a	and	3.3. Basic engineering drawing.			
components;					
10. Store tools, equipment a	and	4.0. Essential skills			
safety gear appropriatel		4.1. Communication skills;			
11. Submit aircraft technica	al	4.2. Time management skills;			
logbook to certifying aircraft		4.3. Commitment;			
maintenance engineer fe		4.4. Computer skills;			
signing of aircraft certif	ficate of	4.5. Critical thinking skills;			
release to service.		4.6. Troubleshooting skills;			
1010000 10 0011100.		Troubleshooting skins,			

	4.7. Ability to work under pressure;	
	4.8. Interpersonal skills.	
Description of the end products /	Unscheduled maintenance of aircraft's piston engine oil system is	
service	performed as per AMM, FIM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

00	CCUPATION		T MAINTENANCE	OCCUPATION	3143	
			RING TECHNICIAN	CODE		
DI	TON THE E		ME & POWERPLANT)	DUTYNO	(05	
DU	JTY TITLE	MAINTAL	N AIRCRAFT PISTON ENGINE	DUTY NO.	605	
TA	SK TITLE		I SCHEDULED	TASK NO.	60511	
			ANCE OF THE AIRCRAFT'S			
			NGINE INDICATION SYSTEM			
Pe	rformance criteria		n performing this task must be	•		
			te of aircraft's piston engine indication system as per approved			
			IP and Engine Maintenance Manua			
Ka	nge statement		ill be performed in a hangar or ran		supervision	
			ing Aircraft Maintenance Engineer		manfamain a	
			ing equipment, tools and materials			
			P.E, Tool kit, Torque wrench, Cotto IDENCE REQUIREMENTS	on rags, On and Ste	eps.	
DD	ACTICAL PERFOR		UNDERPINNING KNOWLED	CE		
				GŁ		
	e person performing th		Detailed knowledge about:			
_	able to do the followin	_	1.0. Methods	41 11 4 1	. 1	
1.	Review maintenance		The person performing this task must be able to explain how to:			
	package and job instr	uction	1.1 Perform operational tests of aircraft piston engine indication system;			
2	cards;	inment and	1.2 Use aircraft maintenance tool	12;+		
2.	Select right tools, equal safety gears for the ta	sk;				
3.	Observe health and sa	afety when	2.0. Principles			
	performing the task;		The person must be able to explai			
4.	Observe Tanzania Ci		2.1. Operation of the aircraft pist			
_	Authority Regulation		2.2. Assembling and disassembling of aircraft piston engine			
5.	Use job instruction ca	ard to	indication system components;			
	examine:		2.3. Determining serviceability of aircraft piston engine			
	a) Tachometer;		indication system.			
	b) Oil pressure gauge		3.0 Theories			
	c) Oil temperature gad) Fuel flow gauge;	iuge,	3.0. Theories The person must be able to explai	n:		
6	Use job instruction ca	ard to		11.		
6.	check:	nu w	3.1. TCAA regulations;3.2. Maintenance Procedures;			
		nerature	3.2. Maintenance Procedures; 3.3. Basic engineering drawing.			
a) Cylinder head temperature probe;			5.5. Dasic engineering drawing.			
b) Exhaust gas temperature			4.0. Essential skills			
	probe;		4.1. Communication skills;			
7. Change tachometer and		nd	4.2. Time management skills;			
	temperature indicator		4.3. Commitment;			
	AMM;	1	4.4. Computer skills;			
8.	Return aircraft to nor	mal	4.5. Critical thinking skills;			
	configuration;		4.6. Problem solving skills;			

9. Clean work area, tools and	4.7. Ability to work under pressure;	
components;	4.8. Interpersonal skills.	
10. Store tools, equipment and		
safety gear appropriately;		
11. Sign job instruction cards and		
maintenance work package;		
12. Submit maintenance work		
package to certifying aircraft		
maintenance engineer for		
signing of aircraft certificate of		
release to service.		
Description of the end products /	Scheduled maintenance of aircraft's piston engine indication	
service	system is performed as per AMM, AMP and TCAA	
	regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION	ENGINE	AFT MAINTENANCE EERING TECHNICIAN	OCCUPATION CODE	3143	
	(AIRFR	AME & POWERPLANT)			
DUTY TITLE	MAINTA	AIN AIRCRAFT PISTON ENGINE	DUTY NO.	605	
TASK TITLE	PERFOR	RM UNSCHEDULED	TASK NO.	60512	
	MAINTI	ENANCE OF THE AIRCRAFT'S			
	PISTON	ENGINE INDICATION SYSTEM			
Performance criteria	The pers	son performing this task must be ab	le to carry out un	scheduled	
	maintena	nce of aircraft's piston engine indica	tion system as per	approved	
	AMM, A	MM, AMP and Engine Maintenance Manual.			
Range statement	The task	will be performed in a hangar or ran	np area under the si	upervision	
	of a certi	fying Aircraft Maintenance Engineer.			
	The follo	owing equipment, tools and materials	will be needed in p	erforming	
		P.P.E, Tool kit, Torque wrench, Cotto	n rags, Oil and Step	os.	
	\mathbf{E}	VIDENCE REQUIREMENTS			
PRACTICAL PERFORM	IANCE	UNDERPINNING KNOWLEDGE			
The person performing this	task	Detailed knowledge about:			
must be able to do the follo	wing:	1.0. Methods			
1. Review aircraft technica	al	The person performing this task must be able to explain how to:			
logbook;		1.1 Perform operational tests of aircraft piston engine indication			
2. Identify defect on aircra	ft piston	system;			
engine indication system	n;	1.2 Use aircraft maintenance tool kit.			
3. Select right tools, equip	ment				
and safety gears for the		2.0. Principles			
4. Observe health and safe	ty when	The person must be able to explain the			
performing the task;		2.1. Operation of the aircraft piston e			
5. Observe Tanzania Civil		2.2. Assembling and disassembling of aircraft piston engine			
Aviation Authority Reg		indication system components;			
6. Troubleshoot aircraft pi		2.3. Determining serviceability of aircraft piston engine			
engine indication system	n as per	indication system.			
FIM;		2.0 TH			
7. Carry out operational te	st as per				
AMM;	1	The person must be able to explain:			
8. Return aircraft to norma	ll	3.1. TCAA regulations;			
configuration;	1	3.2. Maintenance Procedures;			
9. Clean work area, tools a	ına	3.3. Basic engineering drawing.			
components;	d	4.0 Eggantial al-illa			
10. Store tools, equipment a		4.0. Essential skills			
safety gear appropriatel 11. Submit aircraft technica		4.1. Communication skills;			
logbook to certifying aircraft		4.2. Time management skills;			
		4.3. Commitment;			
maintenance engineer for		4.4. Computer skills;			
signing of aircraft certif release to service.	icate of	4.5. Critical thinking skills;4.6. Troubleshooting skills;			
Telease to service.		T.O. Houdicandoding skills,			

	4.7. Ability to work under pressure;	
	4.8. Interpersonal skills.	
Description of the end products /	Unscheduled maintenance of aircraft's piston engine indication	
service	system is performed as per AMM, FIM and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

				INTENANCE	OCCUPATION	3143		
				TECHNICIAN	CODE			
DI		\	ME & POWERPLANT)		DUTYNO	(05		
DU	DUTY TITLE MAINTAI			RCRAFT PISTON ENGINE	DUTY NO.	605		
TA	SK TITLE	PERFORM			TASK NO.	60513		
				E OF THE AIRCRAFT'S				
Dav	formance criteria			NGINE STARTING SYSTEM				
Per	Tormance criteria	-	-	performing this task must be able to carry out scheduled e of aircraft's piston engine starting system as per approved				
				Engine Maintenance Manual		approved		
Rai	nge statement	The task w	ill be	performed in a hangar or rar	nn area under the s	supervision		
1447	inge statement	of a certifyi	ing A	ircraft Maintenance Engineer.	inp area anaer ine s	ap er vision		
		•	_	quipment, tools and materials		performing		
		the task: P.	P.Ē, 7	Sool kit, Torque wrench, Cotto	on rags, Oil and Ste	ps.		
				CE REQUIREMENTS				
	ACTICAL PERFOR			DERPINNING KNOWLED	GE			
	e person performing thi			iled knowledge about:				
_	able to do the following		1.0. Methods					
1.	Review maintenance		The person performing this task must be able to explain how to:					
	package and job instructions	uction	1.1 Perform operational tests of aircraft piston engine starting system;					
2.	Select right tools, equ	inment and	1.2 Use aircraft maintenance tool kit.					
2.	safety gears for the ta	-	1.2	Ose afferant maintenance too	i Kit.			
3.	Observe health and sa		2.0.	Principles				
	performing the task;	,		person must be able to explain	n the principles of:			
4.	Observe Tanzania Civ	vil Aviation	2.1. Operation of the aircraft piston engine starting system;					
	Authority Regulation;		2.2. Assembling and disassembling of aircraft piston engine					
5.	Use job instruction ca	rd to	starting system components;					
	examine:		2.3. Determining serviceability of aircraft piston engine			gine		
6	a) Starter;	atoutin =		starting system.				
6.	Change piston engine components as per AM		3 N	Theories				
7.	Return aircraft to nor	·		person must be able to explain	n·			
′ ·	configuration;	1141		TCAA regulations;				
8.	Clean work area, tools	s and	3.2. Maintenance Procedures;					
	components;		3.3. Basic engineering drawing.					
9.	=		<i>S S </i>					
	safety gear appropriat		4.0.	Essential skills				
10.	Sign job instruction ca		4.1. Communication skills;					
1.	maintenance work page			Time management skills;				
11. Submit maintenance work			4.3. Commitment;					
	package to certifying			Computer skills;				
	maintenance engineer			Critical thinking skills;				
	signing of aircraft cer	inicate of	4.0.	Problem solving skills;				

release to service.	4.7. Ability to work under pressure;				
	4.8. Interpersonal skills.				
Description of the end products /	Scheduled maintenance of aircraft's piston engine starting				
service	system is performed as per AMM, AMP and TCAA				
	regulations.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

OCCUPATION	AIRCRA	AFT MAINTENANCE	OCCUPATION	3143	
	ENGINE	EERING TECHNICIAN	CODE		
	(AIRFR	AME & POWERPLANT)			
DUTY TITLE	MAINTA	AIN AIRCRAFT PISTON ENGINE	DUTY NO.	605	
TASK TITLE		RM UNSCHEDULED	TASK NO.	60514	
		ENANCE OF THE AIRCRAFT'S			
		ENGINE STARTING SYSTEM			
Performance criteria		son performing this task must be ab			
		ance of aircraft's piston engine start		approved	
D		MP and Engine Maintenance Manual.			
Range statement		will be performed in a hangar or ram	ip area under the si	upervision	
		fying Aircraft Maintenance Engineer.		-	
		owing equipment, tools and materials			
		P.P.E, Tool kit, Torque wrench, Cotto VIDENCE REQUIREMENTS	n rags, On and Step	os.	
PRACTICAL PERFORM		UNDERPINNING KNOWLEDGE			
The person performing this		Detailed knowledge about:			
must be able to do the follo		1.0. Methods			
1. Review aircraft technic	_	The person performing this task must	he able to explain	how to	
logbook;	, ui	1.1 Perform operational tests of airc			
2. Identify defect on aircr	aft piston	system;			
engine starting system;		1.2 Use aircraft maintenance tool kit.			
3. Select right tools, equip					
and safety gears for the		2.0. Principles			
4. Observe health and saf		The person must be able to explain th	e principles of:		
performing the task;		2.1. Operation of the aircraft piston engine starting system;			
5. Observe Tanzania Civi		2.2. Assembling and disassembling of aircraft piston engine			
Aviation Authority Reg		starting system components;			
6. Troubleshoot aircraft p		2.3. Determining serviceability of aircraft piston engine starting			
engine starting system FIM;	as per	system.			
7. Carry out operational to	est as per	3.0. Theories			
AMM;		The person must be able to explain:			
8. Return aircraft to norm	al	3.1. TCAA regulations;			
configuration;		3.2. Maintenance Procedures;			
9. Clean work area, tools	and	3.3. Basic engineering drawing.			
components;		40			
10. Store tools, equipment and		4.0. Essential skills			
safety gear appropriate		4.1. Communication skills;			
11. Submit aircraft technic		4.2. Time management skills;			
logbook to certifying aircraft		4.3. Commitment;			
maintenance engineer f		4.4. Computer skills;			
signing of aircraft certi release to service.	110016 01	4.5. Critical thinking skills;4.6. Troubleshooting skills;			
icicase to service.		4.6. Troubleshooting skins; 4.7. Ability to work under pressure;			
		T. Admity to work under pressure,			

	4.8. Interpersonal skills.			
Description of the end products /	Unscheduled maintenance of aircraft's piston engine starting			
service	system is performed as per AMM, FIM and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
_	5. TCAA regulations;			
	6. Safe handling of component and tools;			
	7. Extent of responsibility;			
	8. Occupational safety and health.			

ENGINEE			MAINTENANCE RING TECHNICIAN IE & POWERPLANT)	OCCUPATION CODE	3143	
			N AIRCRAFT PISTON ENGINE	DUTY NO.	605	
TASK TITLE PERFORM SCHEDULED MAINTENANCE OF THE AIRCRAFT'S PISTON ENGINE EXHAUST SYSTEM TASK NO. 60						
Per	formance criteria	The person	n performing this task must be able to carry out scheduled be of aircraft's piston engine exhaust system as per approved P and Engine Maintenance Manual.			
Rai	nge statement	The task w of a certify The follow the task: P.	ill be performed in a hangar or range of the control of the contro	mp area under the s : s will be needed in j	performing	
DD	ACTICAL PERFOR		DENCE REQUIREMENTS UNDERPINNING KNOWLED	CF		
				GE		
	e person performing thing the ble to do the following		Detailed knowledge about: 1.0. Methods			
 Review maintenance work package and job instruction cards; Select right tools, equipment and safety gears for the task; Observe health and safety when performing the task; Observe Tanzania Civil Aviation Authority Regulation; Use job instruction card to examine: a) Exhaust pipe; b) Muffler; 			 The person performing this task of system; 1.1 Perform operational tests of system; 1.2 Use aircraft maintenance too 2.0. Principles The person must be able to explain 2.1. Operation of the aircraft pismed 2.2. Assembling and disassemble exhaust system components; 2.3. Determining serviceability of exhaust system. 	aircraft piston engired by the last of the principles of ton engine exhaust sing of aircraft piston	system; n engine	
6.	Change piston engine components as per AM	MM;	3.0. Theories The person must be able to explain:			
7.	Return aircraft to norr configuration;		3.1. TCAA regulations;3.2. Maintenance Procedures;			
8. Clean work area, tools and components;			3.3. Basic engineering drawing.			
9. Store tools, equipment and safety gear appropriately;10. Sign job instruction cards and maintenance work package;			4.0. Essential skills4.1. Communication skills;4.2. Time management skills;4.3. Commitment;			
11.	Submit maintenance v package to certifying maintenance engineer	work aircraft	4.4. Computer skills;4.5. Critical thinking skills;4.6. Problem solving skills;			

signing of aircraft certificate of	4.7. Ability to work under pressure;			
release to service.	4.8. Interpersonal skills.			
Description of the end products /	Scheduled maintenance of aircraft's piston engine exhaust			
service	system is performed as per AMM, AMP and TCAA			
	regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2 Safe handling of component and tools;			
	3 Extent of responsibility;			
	4 Occupational safety and health.			

OCCUPATION		FT MAINTENANCE ERING TECHNICIAN	OCCUPATION CODE	3143		
		AME & POWERPLANT)	CODE			
DUTY TITLE		AIN AIRCRAFT PISTON ENGINE	DUTY NO.	605		
TASK TITLE		RM UNSCHEDULED	TASK NO.	60516		
		ENANCE OF THE AIRCRAFT'S	1110111101	00210		
		ENGINE EXHAUST SYSTEM				
Performance criteria		son performing this task must be ab	le to carry out un	scheduled		
		ance of aircraft's piston engine exha				
		MP and Engine Maintenance Manual.		11		
Range statement	The task	will be performed in a hangar or ran	np area under the si	upervision		
	of a certi	fying Aircraft Maintenance Engineer.				
	The follo	owing equipment, tools and materials	will be needed in p	erforming		
		P.P.E, Tool kit, Torque wrench, Cotto	n rags, Oil and Step	S.		
	E	VIDENCE REQUIREMENTS				
PRACTICAL PERFORM	1ANCE	UNDERPINNING KNOWLEDGE				
The person performing this		Detailed knowledge about:				
must be able to do the follo	_	1.0. Methods				
1. Review aircraft technic	al	The person performing this task must be able to explain how to:				
logbook;		1.1 Perform operational tests of aircraft piston engine exhaust				
2. Identify defect on aircra		system;				
engine exhaust system;		1.2 Use aircraft maintenance tool kit.				
3. Select right tools, equip		20 P: 1				
and safety gears for the		2.0. Principles				
4. Observe health and safe performing the task;	ety when	The person must be able to explain the 2.1. Operation of the aircraft piston of				
5. Observe Tanzania Civil	1					
Aviation Authority Reg		2.2. Assembling and disassembling of aircraft piston engine exhaust system components;				
6. Troubleshoot aircraft pi		2.3. Determining serviceability of aircraft piston engine exhaust				
engine exhaust system a		system.				
FIM;	1	,				
7. Carry out operational te	est as per	3.0. Theories				
AMM;		The person must be able to explain:				
8. Return aircraft to norma	al	3.1. TCAA regulations;				
configuration;		3.2. Maintenance Procedures;				
9. Clean work area, tools a	and	3.3. Basic engineering drawing.				
components;						
10. Store tools, equipment		4.0. Essential skills				
safety gear appropriatel 11. Submit aircraft technica		4.1. Communication skills;				
		4.2. Time management skills;				
logbook to certifying aircraft		4.3. Commitment;				
maintenance engineer for signing of aircraft certification.		4.4. Computer skills;				
release to service.	iicaic 01	4.5. Critical thinking skills;4.6. Troubleshooting skills;				
TOTOUSE TO SET VICE.		Troubleshooting skills,				

	4.7. Ability to work under pressure;			
	4.8. Interpersonal skills.			
Description of the end products /	Unscheduled maintenance of aircraft's piston engine exhaust			
service	system is performed as per AMM, FIM and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

00	CCUPATION	AIRCRA	FT M	AINTENANCE	OCCUPATION	3143
		ENGINE	EERING TECHNICIAN		CODE	
		(AIRFRA	ME &	& POWERPLANT)		
DU	JTY TITLE	MAINTA	IN A	IRCRAFT GAS TURBINE	DUTY NO.	606
ENGINE						
TA	ASK TITLE			CHEDULED	TASK NO.	6061
	MAINTE			CE OF AIRCRAFT'S GAS		
				GINE STRUCTURE		
Pe	rformance criteria			erforming this task must be al		
				f aircraft's gas turbine structu	re as per approved	l AMM,
_				ne Maintenance Manual.		
Ra	inge statement	The task	will b	e performed in a hangar or ramp	o area under the sup	pervision
				Aircraft Maintenance Engineer.	. 1 . 11 1	1 1 .
			_	g equipment, tools and mate		eded in
				task: P.P.E, Tool kit and Boreso	cope macnine.	
DE	ACTICAL DEDECORA			ICE REQUIREMENTS		
	RACTICAL PERFORM			DERPINNING KNOWLEDGI	<u> </u>	
	e person performing this			ailed knowledge about:		
	ist be able do the followi			Methods		. 1 4
1.	Review maintenance w		The person performing this task must be able to explain how to:			
	package and job instruction cards;	uon	1.1 Perform borescope inspection of aircraft gas turbine engine structure;			
2.	Select right tools, equip	ment and				
۷٠	safety gears for the task		1.3	Use bore scope inspection kit.		
3.	Observe health and safe		1.5	Ose bore scope inspection kit.		
٥.	performing the task;	ty when	2.0.	Principles		
4.	Observe Tanzania Civil	Aviation		person must be able to explain t	the principles of:	
	Authority Regulation;	1111401011		Construction of aircraft gas tur		re:
5.	Use job instruction card	l to	2.2. Assembling and disassembling components of aircraft gas			
	inspect:		turbine engine structure;			8
	a) Pylon areas;		2.3.	Determining the degree of structure	ctural integrity of a	ircraft
	b) Engine identificatio	n		gas turbine engine structure as		
	placard;			maintenance manual.		
	c) Engine air intake;					
	d) Cones;			Theories		
	e) Fan blades;		The person must be able to explain:			
	f) Thrust reversers;		3.1 TCAA regulations;			
g) Engine exhaust shroud;			3.2 Maintenance Procedures;			
	h) Visible turbine blad	es;	3.3	Basic engineering drawing;		
	i) Engine cowlings;		3.4	Borescope inspection.		
	j) Engine casing;	on	4 A	Essential skills		
	k) Engine heat insulati	OII	4.0. Essential skills			
6	blankets;	l to		Communication skills;		
6.	Use job instruction card			Time management skills;		
	perform borescope insp	ection of:	4.3.	Commitment;		

a) Engine compressor;	4.4. Computer skills;		
b) Engine combustion chamber;	4.5. Critical thinking skills;		
c) Engine turbine;	4.6. Problem solving skills;		
d) Engine gearbox (propeller	4.7. Ability to work under pressure;		
engines);	4.8. Interpersonal skills.		
7. Return aircraft to normal			
configuration;			
8. Clean work area, tools and			
components;			
9. Store tools, equipment and			
safety gear appropriately;			
10. Sign job instruction cards and			
maintenance work package;			
11. Submit maintenance work			
package to certifying aircraft			
maintenance engineer for			
signing of aircraft certificate of			
release to service.			
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine		
service	structure is performed as per AMM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	AIRCRA	FT MAINTENANCE	OCCUPATION	3143		
		EERING TECHNICIAN	CODE	31.3		
		AME & POWERPLANT)	0022			
DUTY TITLE		AIN AIRCRAFT GAS	DUTY NO.	606		
		E ENGINE	Dell'ivo.	000		
TASK TITLE		RM UNSCHEDULED	TASK NO.	6062		
		ENANCE OF AIRCRAFT'S	1110111101	0002		
		RBINE ENGINE STRUCTURE				
Performance criteria		on performing this task must be	able to carry out i	ınscheduled		
1 criormance criteria		ance of aircraft's gas turbine stru				
		d Engine Maintenance Manual.	etare as per appre	, ved 7 11 v 11 v 1,		
Range statement		will be performed in a hangar or ra	amn area under the	supervision		
Tunge statement		fying Aircraft Maintenance Engine		supervision		
		lowing equipment, tools and n		needed in		
		ng the task: P.P.E, Tool kit and Bo				
		IDENCE REQUIREMENTS	1			
PRACTICAL PERFORM	MANCE	UNDERPINNING KNOWLED	GE			
The person performing this	stask	Detailed knowledge about:				
must be able do the follow:		1.0. Methods				
1. Review engine technical	al log	The person performing this task must be able to explain how to:				
book;		1.1 Perform borescope inspection of aircraft gas turbine engine				
2. Identify defect on aircr	aft gas	structure;				
turbine engine structure		1.2 Use aircraft maintenance too	ol kit;			
3. Select right tools, equip		1.3 Use borescope inspection kit	t .			
and safety gears for the						
4. Observe health and safe	ety when	2.0. Principles				
performing the task;	_	The person must be able to explain the principles of:				
5. Observe Tanzania Civi		2.1. Construction of aircraft gas				
Aviation Authority Reg	gulation;	2.2. Assembling and disassembling components of aircraft gas				
6. If required use FIM to		turbine engine structure;				
troubleshoot:)-4 C	2.3. Determining the degree of structural integrity of aircraft gas				
a) Trouble Shooting I	Paia oi	turbine engine structure as per aircraft engine maintenance				
the FADEC; b) Display of the CFD	ıC.	manual.				
FADEC Messages;		3.0. Theories				
c) General data to do						
powerplant resistan		The person must be able to explain: 3.1 TCAA regulations;				
powerplant resistance,		3.1 TCAA regulations; 3.2 Maintenance Procedures;				
7. Use engine maintenance	e manual	,				
to perform borescope inspection		G G G				
of:		1F				
a) Engine Compressor	r;	4.0. Essential skills				
b) Engine Combustion		4.1. Communication skills;				
chamber;		4.2. Time management skills;				
c) Engine turbine;		4.3. Commitment;				

d) Engine Gearbox (propeller	4.4. Computer skills;
engines);	4.5. Critical thinking skills;
8. Return aircraft to normal	4.6. Problem solving skills;
configuration;	4.7. Ability to work under pressure;
9. Clean work area, tools and	4.8. Interpersonal skills.
components;	
10. Store tools, equipment and	
safety gear appropriately;	
11. Submit aircraft technical	
logbook to certifying aircraft	
maintenance engineer for	
signing of aircraft certificate of	
release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine
service	structure is performed as per AMM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

00	CCUPATION	AIRCRA	FT M	IAINTENANCE	OCCUPATION	3143
		ENGINE	ERING TECHNICIAN		CODE	
		(AIRFRA	ME	& POWERPLANT)		
DU	JTY TITLE	MAINTA	IN A	IRCRAFT GAS TURBINE	DUTY NO.	606
		ENGINE				
TA	ASK TITLE	PERFOR	M SC	CHEDULED	TASK NO.	6063
				ICE OF AIRCRAFT'S GAS		
		1		GINE FUEL SYSTEM		
Pe	rformance criteria	_	-	erforming this task must be	•	
				f aircraft's gas turbine engine	•	approved
_				nd Engine Maintenance Manua		
Ra	inge statement			e performed in a hangar or rar		upervision
				Aircraft Maintenance Engineer		1 1 '
			_	g equipment, tools and ma		needed in
			_	task: P.P.E, Tool kit and Bore NCE REQUIREMENTS	scope macnine.	
DD	RACTICAL PERFORM			DERPINNING KNOWLEDO	TF.	
	e person performing this			ailed knowledge about:	JL	
	ist be able do the following			Methods		
	Review maintenance wo	_		person performing this task m	ust be able to expla	in how to:
1.	package and job instruc		2.1. Perform operational test of aircraft gas turbine engine fuel			
	cards;		system;			
2.	Select right tools, equip	ment and	2.2. Use aircraft maintenance tool kit.			
	safety gears for the task					
3.	Observe health and safe	ty when	2.0.	Principles		
	performing the task;			person must be able to explain		
4.	Observe Tanzania Civil	Aviation		Operation of aircraft gas turb		
_	Authority Regulation;		2.2.	Assembling and disassembling	ng components of ai	rcraft gas
5.	Use job instruction card	to	turbine engine fuel system;			
	inspect:		2.3. Determining serviceability of aircraft gas turbine engine			engine
	d) Fuel pump and filter	r		fuel system.		
	assembly;e) Fuel nozzles and ma	nifold:	3.0.	Theories		
	f) Fuel return valve;	iiiioia,		person must be able to explain	·•	
	g) Fuel oil heat exchan	ger (fuel	3.1	TCAA regulations;	L•	
	heater);	igor (raci	3.2	Maintenance Procedures;		
	h) Temperature Sensor	••	3.3 Basic engineering drawing.			
6.	Use job instruction card					
	maintain:		4.0.	Essential skills		
	a) Fuel Filter Element;		4.1	Communication skills;		
	b) Fuel Nozzle;		4.2	Time management skills;		
	c) Fuel metering unit;		4.3	Commitment;		
	d) Fuel flow meter;		4.4	Computer skills;		
	e) Fuel filter bypass in		4.5	Critical thinking skills;		
	f) Fuel pressure switch	ı;	4.6	Problem solving skills;		

g) Fuel temperature sensor;	4.7 Ability to work under pressure;
h) Fuel flow divider;	4.8 Interpersonal skills.
7. Return aircraft to normal	-
configuration;	
8. Clean work area, tools and	
components;	
9. Store tools, equipment and safety	
gear appropriately;	
10. Sign job instruction cards and	
maintenance work package;	
11. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for signing	
of aircraft certificate of release to	
service.	
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine fuel
service	system is performed as per AMM, aircraft maintenance
	program and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
_	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION			MAINTENANCE	OCCUPATION	3143
			NG TECHNICIAN	CODE	
			& POWERPLANT)	DUTYNO	606
DUTY TITLE			AIRCRAFT GAS TURBINE	DUTY NO.	606
TACIZ TITLE	ENGINI		NICCHEDITIED	TACKNO	(0(1
TASK TITLE			NSCHEDULED	TASK NO.	6064
			NCE OF AIRCRAFT'S GAS NGINE FUEL SYSTEM		
Performance criteria			erforming this task must be a	hla ta garry aut ur	reahadulad
i ei ioi mance ci itei ia			of aircraft's gas turbine engine	•	
			nd Engine Maintenance Manua		арргочес
Range statement			be performed in a hangar or rai		upervision
runge statement			Aircraft Maintenance Enginee		aper vision
			ng equipment, tools and ma		needed in
			e task: P.P.E, Tool kit and Bore		
			NCE REQUIREMENTS	1	
PRACTICAL PERFORM	ANCE	UNI	DERPINNING KNOWLEDG	E	
The person performing this	task	Deta	ailed knowledge about:		
must be able do the following	ıg:	1.0.	Methods		
1. Review aircraft technica	1	The person performing this task must be able to explain how to:			
logbook;		1.1 Perform operational test of aircraft gas turbine engine fuel			
2. Identify defect on aircra		system;			
turbine engine fuel syste		1.2	Use aircraft maintenance tool l	xit.	
3. Select right tools, equip					
safety gears for the task;			Principles		
4. Observe health and safet	y when		person must be able to explain		
performing the task;		2.1. Operation of aircraft gas turbine engine fuel system;			
5. Observe Tanzania Civil	Aviation	2.2. Assembling and disassembling components of aircraft gas			
Authority Regulation;		turbine engine fuel system;			
6. Use FIM to troubleshoot		2.3. Determining serviceability of aircraft gas turbine engine			engine
a) Engine fuel control s	•		fuel system.		
7. Use job instruction card maintain:	ω	3.0.	Theories		
a) Fuel metering unit;					
b) Fuel filter;		The person must be able to explain: 3.1 TCAA regulations;			
c) Fuel flow divider;		3.1 TCAA regulations, 3.2 Maintenance Procedures;			
d) Fuel flow meter;		3.3 Basic engineering drawing.			
e) Fuel Nozzle;		2.3	zazie engineering utuving.		
f) Fuel oil heat exchange	ger;	4.0.	Essential skills		
8. Carry out engine fuel sy	-	4.1	Communication skills;		
leak check as per AMM		4.2 Time management skills;			
9. Carry out operational tes		4.3	Commitment;		
AMM;	±	4.4 Computer skills;			
10. Return aircraft to norma	1	4.5 Critical thinking skills;			
configuration;		4.6	Problem solving skills;		

11. Clean work area, tools and	4.7 Ability to work under pressure;
components;	4.8 Interpersonal skills.
12. Store tools, equipment and	
safety gear appropriately;	
13. Submit aircraft technical	
logbook to certifying aircraft	
maintenance engineer for	
signing of aircraft certificate of	
release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine fuel
service	system is performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

00	CCUPATION		T MAINTENANCE	OCCUPATION	3143	
			ERING TECHNICIAN	CODE		
DI			ME & POWERPLANT)	DUENING	60.6	
DU	UTY TITLE		IN AIRCRAFT GAS TURBINE	DUTY NO.	606	
Tr	ACIZ TUTU E	ENGINE	A COLIED III ED MAINTENANCE	TACKNO	(0(5	
1 P	ASK TITLE		M SCHEDULED MAINTENANCE RAFT'S GAS TURBINE ENGINE	TASK NO.	6065	
			N SYSTEM AND ENGINE			
			G SYSTEM			
Pe	rformance criteria		on performing this task must be at	ole to carry out so	heduled	
	1101 mance criteria	_	ce of aircraft's gas turbine engin	-		
			AMM, AMP and Engine Maintenance		P	
Ra	nge statement	The task	vill be performed in a hangar or ramp	area under the sup	ervision	
	J	of a certi	ying Aircraft Maintenance Engineer.	•		
		The foll	wing equipment, tools and mate	erials will be nee	eded in	
		performi	g the task: P.P.E, Torque Wrench and	l Tool kit.		
			DENCE REQUIREMENTS			
PF	RACTICAL PERFORM	ANCE	UNDERPINNING KNOWLEDGE	1		
	e person performing this	task must	Detailed knowledge about:			
	able do the following:		1.0. Methods			
1.	Review maintenance wo		The person performing this task must be able to explain how to:			
	package and job instruct	10 n	1.1 Perform operational test of aircraft gas turbine engine			
2	cards;	4 1	ignition system;	.·		
2.	Select right tools, equipment for the tools.		1.2 Use aircraft maintenance tool k			
2	safety gears for the task; Observe health and safet		1.3 Supplying power to the aircraft	using ground power	unn.	
٥.	performing the task;	ly when	2.0. Principles			
4	Observe Tanzania Civil	Aviation	The person must be able to explain the principles of:			
''	Authority Regulation;	Tiviation	2.1. Operation of aircraft gas turbine engine ignition system;			
5.	Supply power to the airc	raft	2.2. Assembling and disassembling components of aircraft gas			
	using ground power unit		turbine engine ignition system;	1	J	
6.	Supply pressurized air to	the	2.3. Determining serviceability of ai	rcraft gas turbine en	ngine	
	aircraft using ground air	source	ignition system.			
	unit;					
7.		l to	3.0. Theories:			
	inspect:		The person must be able to explain:			
a) Ignition cables;			3.1 TCAA regulations;			
	b) Ignition exciter;		3.2 Maintenance Procedures;			
	c) Ignition plugs;		3.3 Basic Engineering drawing.			
	d) Engine Starter;e) Start valve;		4.0. Essential skills			
	c) Start valve,		4.1. Communication skills;			
8.	If require use Job Instruc	ction	4.2. Time management skills;			
0.	Card to maintain ignition		4.3. Commitment;			
	etc.;		4.4. Computer skills;			

9. Return aircraft to normal	4.5. Critical thinking skills;
configuration;	4.6. Problem solving skills;
10. Clean work area, tools and	4.7. Ability to work under pressure;
components;	4.8. Interpersonal skills.
11. Store tools, equipment and safety gear appropriately;	
12. Sign job instruction cards and	
maintenance work package;	
13. Submit maintenance work	
package to certifying aircraft	
maintenance engineer for signing	
of aircraft certificate of release to	
service.	
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine ignition
service	system is performed as per AMM, aircraft maintenance program
	and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
_	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCRA	AFT MAINTENANCE	3143			
	ENGINI	EERING TECHNICIAN	CODE			
		AME & POWERPLANT)				
DUTY TITLE		AIN AIRCRAFT GAS	DUTY NO.	606		
		IE ENGINE				
TASK TITLE		RM UNSCHEDULED	TASK NO.	6066		
		ENANCE OF AIRCRAFT'S				
		RBINE ENGINE IGNITION				
	SYSTER	M AND ENGINE STARTING				
Performance criteria		son performing this task must	ha abla to corre out	sahadulad		
r eriormance criteria		ance of aircraft's gas turbine				
		AMM, AMP and engine main		em as per		
Range statement		will be performed in a ha		under the		
range statement		ion of a certifying Aircraft Mair		under the		
	-	lowing equipment, tools and	_	needed in		
		ng the task: P.P.E, Tool kit.				
		ENCE REQUIREMENTS				
PRACTICAL PERFO	RMANCE	UNDERPINNING KNOWL	EDGE			
The person performing t	his task must	Detailed knowledge about:				
be able to do the followi	ng:	1.0. Methods				
1. Review aircraft tech		The person performing this task must be able to explain how				
2. Identify defect on air	_	to:				
turbine engine ignitio		1.1 Perform operational test	of the aircraft gas turb	oine		
3. Select right tools, eq		engine ignition system;	110			
safety gears for the t		1.2 Use aircraft maintenance	*			
4. Observe health and s performing the task;	safety when	1.3 Supply power to the aircraft using ground power unit.				
5. Observe Tanzania C	ivil Aviation	2.0. Principles				
Authority Regulation		The person must be able to ex	plain the principles of	•		
6. Supply power to the		2.1. Operation of aircraft gas turbine engine ignition system;				
ground power unit;	_	2.2. Determining serviceability of aircraft gas turbine engine				
7. Supply pressurized a		ignition system;		C		
aircraft using ground	l air source	2.3. Assembling and disassembling components of aircraft				
unit;		gas turbine engine ignition	on system.			
8. Use FIM to troublesl						
gas turbine engine ig	•	3.0. Theories	1.			
and engine starting s		The person must be able to exp	plain:			
9. Return aircraft to not configuration;	rmai	3.1 TCAA regulations;3.2 Maintenance Procedures.				
10. Clean work area, too	ls and	5.2 Maintenance Procedures.	•			
components;	is anu	4.0. Essential skills				
11. Store tools, equipme	nt and safety	4.1. Communication skills;				
gear appropriately;	iii aiia saioty	4.2. Time management skills;				
12. Submit aircraft techn	nical logbook	4.3. Commitment;				

to certifying aircraft maintenance	4.4. Computer skills;				
engineer for signing of aircraft	4.5. Critical thinking skills;				
certificate of release to service.	4.6. Problem solving skills;				
	4.7. Ability to work under pressure;				
	4.8. Interpersonal skills.				
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine				
service	ignition system is performed as per AMM, FIM and TCAA				
	regulations.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

00	CCUPATION			MAINTENANCE	OCCUPATION	3143	
				NG TECHNICIAN	CODE		
-				& POWERPLANT)	DAYERANA	606	
DU				AIRCRAFT GAS TURBINE	DUTY NO.	606	
ENGINI PERSON				CHEDITED	TACKNO	(0(7	
I A	ASK TITLE			CHEDULED	TASK NO.	6067	
				NCE OF AIRCRAFT'S GAS NGINE AIR SYSTEM			
Da	rformance criteria			performing this task must be	olela ta sommi suit a	ah adulad	
ге	riormance criteria	-		of aircraft's gas turbine engine	•		
				and Engine Maintenance Manua		approved	
Ro	inge statement			be performed in a hangar or ran		nervision	
110	inge statement			Aircraft Maintenance Engineer			
				g equipment, tools and ma			
				e task: P.P.E, Tool kit and Torq			
				NCE REQUIREMENTS			
PF	RACTICAL PERFORMA	ANCE	UNI	DERPINNING KNOWLEDG	E		
Th	e person performing this t	ask must	Deta	ailed knowledge about:			
	able to do the following:		1.0. Methods				
1.	Review maintenance wor	·k	The person performing this task must be able to explain how to:				
	package and job instructi	on	1.1 Perform operational test of aircraft gas turbine engine air				
	cards;		system;				
2.	2 , 1 1	nent and	1.2 Use aircraft maintenance tool kit;				
_	safety gears for the task;		1.3 Supplying power to the aircraft using ground power unit.				
3.	Observe health and safety	y when	• 0	.			
	performing the task;		2.0. Principles The person must be able to explain the principles of				
4.	Observe Tanzania Civil A	Aviation	The person must be able to explain the principles of:				
5	Authority Regulation;	6	2.1. Operation of aircraft gas turbine engine air system;2.2. Assembling and disassembling components of aircraft gas				
5.	Supply power to the aircrusing ground power unit;		turbine engine air system;				
6.	Use Job Instruction Card		2.3. Determining serviceability of aircraft gas turbine engine and				
0.	maintain:	10	system.				
	a) Engine air passages;			system.			
	b) Pressure transducer;		3.0.	Theories			
	c) Compressor Control;		The person must be able to explain:				
	- Variable Stator Vane A	ctuation	3.1 TCAA regulations;				
	System (VSV);		3.2 Maintenance Procedures;				
	- Variable Bleed Valve S	ystem	3.3 Basic Engineering drawing.				
(VBV);							
	d) Turbine Active Clear	ance	4.0. Essential skills				
Control System;			Communication skills;				
- High Pressure Turbine Active				Time management skills;			
	Clearance Control (HPTA			Commitment;			
	- Low Pressure Turbine A			Computer skills;			
Clearance Control (LPTACC);			4.5. Critical thinking skills;				

- Transient Bleed Valve (TBV); 7. Return aircraft to normal configuration;	4.6. Problem solving skills;4.7. Ability to work under pressure;4.8. Interpersonal skills.
8. Clean work area, tools and	
components; 9. Store tools, equipment and safety gear appropriately; 10. Sign job instruction cards and	
maintenance work package;	
11. Submit maintenance work package to certifying aircraft	
maintenance engineer for signing of aircraft certificate of release to	
service.	
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine air
service	system is performed as per AMM, aircraft maintenance program and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION AIRCRAFT			AINTENANCE	OCCUPATION	3143		
			G TECHNICIAN	CODE			
			POWERPLANT)				
DUTY TITLE		N AI	RCRAFT GAS TURBINE	DUTY NO.	606		
	ENGINE						
TASK TITLE			SCHEDULED	TASK NO.	6068		
			CE OF AIRCRAFT'S GAS				
			SINE AIR SYSTEM				
Performance criteria	-	-	forming this task must be ab	-			
			aircraft's gas turbine engine		approved		
			d Tanzania and Engine Mainte				
Range statement			performed in a hangar or ran		apervision		
			ircraft Maintenance Engineer.		0 .		
			quipment, tools and materials	will be needed in p	erforming		
			Tool kit and Torque wrench.				
DD A CTICAL DEDECOR			CE REQUIREMENTS				
PRACTICAL PERFORM			DERPINNING KNOWLEDO	jĽ			
The person performing this			ailed knowledge about:				
be able to do the following		1.0.			: 1		
1. Review aircraft technic		The person performing this task must be able to explain how to:					
2. Identify defect on aircraturbine engine air syste	_	1.1 Perform operational test of aircraft gas turbine engine air system;					
3. Select right tools, equip		1.2 Use aircraft maintenance tool kit;					
safety gears for the task		1.3 Supplying power to the aircraft using ground power unit.					
4. Observe health and safe		1.5 Supplying power to the alternit using ground power unit.					
performing the task;	cty when	2.0	Principles				
5. Observe Tanzania Civi	l Aviation	The person must be able to explain the principles of:					
Authority Regulation;		2.1. Operation of aircraft gas turbine engine air system;					
6. Supply power to the air	craft using	2.2. Assembling and disassembling components of aircraft gas					
ground power unit;	\mathcal{E}	turbine engine air system;					
7. Use FIM to troubleshoo	ot aircraft	2.3. Determining serviceability of aircraft gas turbine engine					
gas turbine engine air s	ystem;		air system.	_			
8. Carry out operational to	est as per						
AMM;		3.0.	Theories				
9. Return aircraft to norm	al		person must be able to explain	1:			
configuration;		3.1 TCAA regulations;					
10. Clean work area, tools	and	3.2 Maintenance Procedures;					
components;			3.3 Basic Engineering drawing.				
11. Store tools, equipment	and safety	4.0	T (* 1.19)				
gear appropriately;		4.0. Essential skills					
		4.1. Communication skills;					
12. Submit aircraft technica	-		Time management skills;				
to certifying aircraft ma			Commitment;				
engineer for signing of			Computer skills;				
certificate of release to service.			4.5. Critical thinking skills;				

	4.6. Troubleshooting skills;			
	4.7. Ability to work under pressure;			
	4.8. Interpersonal skills.			
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine air			
service	system is performed as per AMM engine maintenance manual			
	and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

OCCUPAT	ION	AIRCRAFT			OCCUPATION	3143
			ING TECHNICIAN E & POWERPLANT)		CODE	
DUTY TIT	T I E	MAINTAIN		/	DUTY NO.	606
	Li C	TURBINE E			DUTT NO.	000
TASK TITI	.F.	PERFORM			TASK NO.	6069
IASK IIII	ענט			OF AIRCRAFT'S	TASK NO.	0007
				NGINE CONTROL		
		SYSTEM				
Performanc	e criteria	maintenance	of ai	ming this task must be reraft's gas turbine en	gine control system	
D ()				MP and Engine Mainte		1 .1
Range state	ment			performed in a hanga		
		regulations.	or a ce	ertifying Aircraft Maint	enance Engineer and	u ICAA
		_	na ea	uipment, tools and m	aterials will be no	eded in
				α: P.P.E, Tool kit and T		cucu III
				QUIREMENTS	orque wrenen:	
PRACTICA	L PERFORMANC			DERPINNING KNOW	LEDGE	
The person r	performing this task 1	nust be to	Deta	iled knowledge about:	,	
able do the f	C			Methods		
1. Review 1	naintenance work pa	ckage and	The 1	person performing this	task must be able to	explain
•	action cards;		how to:			
	ght tools, equipment	and safety	1.1 Perform operational test of aircraft gas turbine			
_	the task;		1.0	engine control system;		
	health and safety wh	en	1.2	Use aircraft maintenar		1
	ng the task; Tanzania Civil Avia	tion		Supplying power to the	aircraft using groun	10
	y Regulation;	поп	powe	er unit.		
	ower to the aircraft u	ising ground	2.0.	Principles		
power ur		ising ground		person must be able to e	explain the principle	s of:
-	Instruction Card to n	naintain:		Operation of aircraft g		
a) Full	authority digital engi	ne control		system;	C	
syste	m (FADEC);		2.2.	Assembling and disass	sembling component	ts of
	ne power lever assen	nbly;		aircraft gas turbine eng		
/	shut off handle;		2.3.	Determining serviceab		turbine
/ 0	ne control cables;	·		engine control system.		
	ircraft to normal con	•	2 0	Thoonic		
	ork area, tools and cools, equipment and sa	-	3.0.	Theories	vnloin:	
		icty geat	3.1	person must be able to e TCAA regulations;	Apiaiii.	
appropriately; 10. Sign job instruction cards and maintenance			3.1	Maintenance Procedur	'es'	
work package;			3.3	Basic Engineering dra	·	
	naintenance work pa	ckage to		Zasie Zagaieering die	··· ···· 8·	
	g aircraft maintenanc		4.0.	Essential skills		

for signing of aircraft certificate of release	4.1. Communication skills;			
to service.	4.2. Time management skills;			
	4.3. Commitment;			
	4.4. Computer skills;			
	4.5. Critical thinking skills;			
	4.6. Problem solving skills;			
	4.7. Ability to work under pressure;			
	4.8. Interpersonal skills.			
Description of the end products / service	Scheduled maintenance of aircraft's gas turbine engine			
	control system is performed as per AMM, and Engine			
	Maintenance Manual and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

OCCUPATION	AIRCRAFT I	MAIN	ITENANCE	OCCUPATION	3143
	ENGINEERI	NG T	ECHNICIAN	CODE	
			OWERPLANT)		
DUTY TITLE	MAINTAIN AIRCRAFT GAS			DUTY NO.	606
	TURBINE EI				60.64.0
TASK TITLE	PERFORM U			TASK NO.	60610
	MAINTENA				
	AIRCRAFT'S				
Performance criteria	ENGINE CO			must be able to	corry out
1 er for mance er iter ia	_	1	_	's gas turbine engi	•
				MP and Engine Ma	
	Manual.	rr			
Range statement	The task will	l be p	performed in a har	ngar or ramp area	under the
_	supervision of	of a	certifying Aircraft	Maintenance Eng	ineer and
	TCAA regula				
				materials will be	needed in
				nd Torque wrench.	
	VIDENCE RE			VOVVV PROP	
PRACTICAL PERFORMANCE			DERPINNING K		
The person performing this task must	be able to do	Detailed knowledge about:			
the following:		1.0. Methods The person performing this tools must be able to			
 Review aircraft technical logbook; Identify defect on aircraft gas turb. 		The person performing this task must be able to explain how to:			
indicating system;	me engme	1.1		nal test of aircraft g	as turhine
3. Select right tools, equipment and s	afety gears	1.1	engine control sy	_	as taronic
for the task;	ares, Bears	1.2	Use aircraft main		
4. Observe health and safety when pe	erforming the	1.3		to the aircraft using	ground
task;			power unit.	_	
5. Observe Tanzania Civil Aviation A	Authority				
Regulation;			Principles		
6. Supply power to the aircraft using	ground		person must be ab	le to explain the pri	nciples
power unit; 7. Use FIM to troubleshoot:		of:	Operation of sime	raft and turking and	ine
a) Full authority digital engine	control	2.1.	control system;	raft gas turbine eng	IIIC
system (FADEC);	Control	22	•	disassembling comp	onents of
8. Carry out engine power trimming	as per AMM:		_	ne engine control sy	
9. Carry out operational test as per A		2.3.	_	riceability of aircraf	
10. Clean work area, tools and components;			turbine engine co	•	
11. Store tools, equipment and safety	gear		-		
appropriately;			Theories		
12. Submit aircraft technical logbook to certifying			The person must be able to explain:		
aircraft maintenance engineer for s	~ ~	3.1	TCAA regulation	-	
aircraft certificate of release to ser	vice.	3.2	Maintenance Pro	,	
		3.3	Basic Engineerin	g drawing.	

	4.0. Essential skills		
	4.1. Communication skills;		
	4.2. Time management skills;		
	4.3. Commitment;		
	4.4. Computer skills;		
	4.5. Critical thinking skills;		
	4.6. Problem solving skills;		
	4.7. Ability to work under pressure;		
	4.8. Interpersonal skills.		
Description of the end products / service	Unscheduled maintenance of aircraft's gas turbine		
	engine control system is performed as per AMM,		
	and Engine Maintenance Manual and TCAA		
	regulations.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

0	CCUPATION	AIRO	CRAFT MAINTENANCE	OCCUPATION	3143		
			INEERING TECHNICIAN	CODE			
		(AIR	FRAME & POWERPLANT)				
DI	UTY TITLE	MAI	NTAIN AIRCRAFT GAS TÚRBINE	DUTY NO.	606		
		ENG	INE				
TA	ASK TITLE	PERI	FORM SCHEDULED	TASK NO.	60611		
			NTENANCE OF AIRCRAFT'S				
			TURBINE ENGINE INDICATING				
		SYS					
Pe	erformance criteria		person performing this task must be				
			tenance of aircraft's gas turbine engi		m as per		
D.			oved AMM, AMP and Engine Mainten		1 41		
K	ange statement		task will be performed in a hange				
			vision of a certifying Aircraft Mainto ations.	enance Engineer at	id ICAA		
		_	following equipment, tools and ma	aterials will be n	eeded in		
		l l	rming the task: P.P.E, Tool kit and To		ccucu III		
			VIDENCE REQUIREMENTS	que wienen.			
ΡI	RACTICAL PERFORMAN		UNDERPINNING KNOWLEDGE				
	ne person performing this tas		Detailed knowledge about:				
	ust be able to do the following		1.0. Methods				
	Review maintenance work	υ	The person performing this task must be able to explain how to:				
	package and job instruction	ı	1.1 Perform operational test of aircraft gas turbine engine				
	cards;		indicating system;				
2.	2 , 1 1	nt and	1.2 Use aircraft maintenance tool kit				
	safety gears for the task;		1.3 Supplying power to the aircraft using ground power unit.				
3.	Observe health and safety v	when					
	performing the task;		2.0. Principles The person proof he oble to explain the opinion of				
4.	Observe Tanzania Civil Av	ıatıon	The person must be able to explain the principles of:				
_	Authority Regulation;	2	2.1. Operation of aircraft gas turbine engine indicating system;				
5.	11 0 1	τ	2.2. Assembling and disassembling components of aircraft gas				
6	using ground power unit; Use Job Instruction Card to		turbine engine indicating system; 2.3. Determining serviceability of aircraft gas turbine engine				
0.	inspect:	,	indicating system.				
	a) Exhaust gas temperatur	e	mateating system.				
	probe;		3.0. Theories				
	b) Torque sensor;		The person must be able to explain:				
c) LP rotor speed sensor;			3.1 TCAA regulations;				
d) HP rotor speed sensor;			3.2 Maintenance Procedures;				
	e) Vibration sensor;		3.3 Basic Engineering drawing.				
7.	,						
	components;		4.0. Essential skills				
8. Store tools, equipment and			4.1. Communication skills;				
safety gear appropriately;			4.2. Time management skills;				
9. Sign job instruction cards and			4.3. Commitment;				

maintenance work package;	4.4. Computer skills;
10. Submit maintenance work	4.5. Critical thinking skills;
package to certifying aircraft	4.6. Problem solving skills;
maintenance engineer for	4.7. Ability to work under pressure;
signing of aircraft certificate of	4.8. Interpersonal skills.
release to service.	
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine indicating
service	system is performed as per AMM, and Engine Maintenance
	Manual and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

OCCUPATION	AIRCR	AFT MAINTENANCE	OCCUPATION	3143	
	ENGIN	EERING TECHNICIAN	CODE		
	(AIRFR	AME & POWERPLANT)			
DUTY TITLE	MAINT	AIN AIRCRAFT GAS TURBINE	DUTY NO.	606	
	ENGIN	E			
TASK TITLE	PERFO	RM UNSCHEDULED	TASK NO.	60612	
	MAINT	ENANCE OF AIRCRAFT'S GAS			
		NE ENGINE INDICATING			
	SYSTE				
Performance criteria		son performing this task must be ab			
		ance of aircraft's gas turbine engir		n as per	
		d AMM, AMP and Engine Maintenar			
Range statement		x will be performed in a hangar or ran			
		ifying Aircraft Maintenance Engineer			
		llowing equipment, tools and ma		eded in	
		ing the task: P.P.E, Tool kit and Torque	ue wrench.		
DD / CELC / L DED CODIC		IDENCE REQUIREMENTS	,		
PRACTICAL PERFORMA		UNDERPINNING KNOWLEDGE	<u> </u>		
The person performing this t	ask must	Detailed knowledge about:			
be able to do the following:		1.0. Methods			
1. Review aircraft technical		The person performing this task must be able to explain how to: 1.1 Perform operational test of aircraft gas turbine engine			
logbook;	t coc	indicating system;	an gas turbine engii	16	
2. Identify defect on aircraf turbine engine indicating		1.2 Use aircraft maintenance tool ki	i+•		
3. Select right tools, equipm	•	1.3 Supplying power to the aircraft		unit	
safety gears for the task;	iciii aiiu	1.3 Supplying power to the alteract	using ground power	um.	
4. Observe health and safety	when	2.0. Principles			
performing the task;	, which	The person must be able to explain the	ne principles of:		
5. Observe Tanzania Civil A	Aviation	2.1. Operation of aircraft gas turbine		system	
Authority Regulation;		2.2. Assembling and disassembling components of aircraft gas			
6. Supply power to the airci	aft	turbine engine indicating system;			
using ground power unit;		2.3. Determining serviceability of aircraft gas turbine engine			
7. Troubleshoot aircraft gas	turbine	indicating system.	C		
engine indicating system	as per				
FIM;		3.0. Theories			
8. Carry out operational test	as per	The person must be able to explain:			
AMM;		3.1 TCAA regulations;			
9. Clean work area, tools ar	d	3.2 Maintenance Procedures;			
components;		3.3 Basic Engineering drawing.			
10. Store tools, equipment ar	d safety				
gear appropriately;		4.0. Essential skills			
11. Submit aircraft technical	_				
to certifying aircraft main		4.2. Time management skills;			
engineer for signing of ai	rcraft	4.3. Commitment;			

certificate of release to service.	4.4. Computer skills;				
	4.5. Critical thinking skills;				
	4.6. Troubleshooting skills;				
	4.7. Ability to work under pressure;				
	4.8. Interpersonal skills.				
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine				
service	indicating system is performed as per AMM, and TCAA				
	regulations and Engine Maintenance Manual.				
Circumstantial knowledge	Detailed knowledge about:				
	1. TCAA regulations;				
	2. Safe handling of component and tools;				
	3. Extent of responsibility;				
	4. Occupational safety and health.				

00	CCUPATION		CIAN	AINTENANCE ENGINEERING (AIRFRAME &	OCCUPATION CODE	3143	
DU	JTY TITLE		IN A	IRCRAFT GAS TURBINE	DUTY NO.	606	
TA	ASK TITLE	PERFOR	M SC CRAF	HEDULED MAINTENANCE Γ'S GAS TURBINE ENGINE	TASK NO.	60613	
Pe	rformance criteria	The pers	son p	erforming this task must be able aircraft's gas turbine engine oil system Maintenance Manual.			
Ra	nge statement	The task certifying The follo task: P.P.	will be Aircon wing of E, To	rill be performed in a hangar or ramp area under the supervision of a Aircraft Maintenance Engineer and TCAA regulations. Fing equipment, tools and materials will be needed in performing the type of the control of t			
DE	RACTICAL PERFOR			ENCE REQUIREMENTS DERPINNING KNOWLEDGE			
	e person performing this is to be able to do the following the contract the second contract the person of the contract the			iled knowledge about: Methods			
	Review maintenance v			person performing this task must be	able to explain how	v to:	
1.	package and job instru		1.1 Perform operational test of aircraft gas turbine engine oil				
	cards;		1,1	system;	. Sas care anglice		
2.	Select right tools, equi	ipment	1.2 Use aircraft maintenance tool kit;				
	and safety gears for th	-	1.3 Supplying power to the aircraft using ground power unit.			nit.	
3.	Observe health and sa			11.0			
	when performing the t	ask	2.0.	Principles			
4.	Observe Tanzania Civ	ril	The person must be able to explain the principles of:				
	Aviation Authority Re	egulation;	2.1.	2.1. Operation of aircraft gas turbine engine oil system;			
5.	Supply power to the a	ircraft	2.2.	Assembling and disassembling cor	nponents of aircraft	gas	
	using ground power up			turbine engine oil system;			
6.	Use Job Instruction Ca	ard to	2.3.	Determining serviceability of aircr	aft gas turbine engi	ne oil	
	inspect:			system;			
	a) Engine oil tank;		2.4.	Special specification for oil system	maintenance.		
	b) Oil pressure pump						
	c) Oil pressure senso	•	2.0	Theories			
	d) Oil temperature se	nsor;	3.0.	Theories			
	e) Oil cooler;f) Oil cooler bypass	vo1vo.	3.1	person must be able to explain: TCAA regulations;			
	· · ·		3.1	Maintenance Procedures;			
g) Oil filter impending bypass indicator;			3.3	Basic Engineering drawing.			
	h) Oil system chip de	etector:	3.3	Dusic Engineering drawing.			
7.	Clean work area, tools		4.0.	Essential skills			
' •	components;	, with	4.1.				
8.	Store tools, equipment	t and		Time management skills;			
	safety gear appropriate			Commitment;			

9. Sign job instruction cards and	4.4. Computer skills;		
maintenance work package;	4.5. Critical thinking skills;		
10. Submit maintenance work	4.6. Problem solving skills;		
package to certifying aircraft	4.7. Ability to work under pressure;		
maintenance engineer for	4.8. Interpersonal skills.		
signing of aircraft certificate of	_		
release to service.			
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine oil system is		
service	performed as per AMM and TCAA regulations and Engine		
	Maintenance Manual.		
Circumstantial knowledge	Detailed knowledge about:		
	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

OCCUPATION	ENGINE	FT MAINTENANCE ERING TECHNICIAN (AIRFRAME RPLANT)	OCCUPATION CODE	3143
DUTY TITLE		IN AIRCRAFT GAS TURBINE	DUTY NO.	606
	ENGINE			50.51.1
TASK TITLE		M UNSCHEDULED	TASK NO.	60614
		NANCE OF AIRCRAFT'S GAS		
		E ENGINE OIL SYSTEM		
Performance criteria		on performing this task must be able		
		nce of aircraft gas turbine engine oil sys	tem as per approve	ed AMM,
Don to statement		Engine Maintenance Manual.	1 41	
Range statement		will be performed in a hangar or ramp a		Vision of
		ng Aircraft Maintenance Engineer and To		ufamain a
		wing equipment, tools and materials wing. P.P.E, Tool kit, Torque wrench, Cotton ra		eriorining
		VIDENCE REQUIREMENTS	ags and On.	
PRACTICAL PERFORM		UNDERPINNING KNOWLEDGE		
The person performing this		Detailed knowledge about: 1.0. Methods		
must be able to do the follo 1. Review maintenance wo	_		a abla ta avelaje ba	ary to
package and job instruc		The person performing this task must be able to explain how to: 1.1 Perform operational test of aircraft gas turbine engine oil		
cards;	11011	system;	i gas turbine engine	011
2. Select right tools, equip	ment and	1.2 Use aircraft maintenance tool kit;		
safety gears for the task		1.3 Supplying power to the aircraft using	ing ground nower i	ınit
3. Observe health and safe		1.5 Supplying power to the unclust using ground power unit.		
performing the task;	ty when	2.0. Principles		
4. Observe Tanzania Civil	Aviation	The person must be able to explain the	principles of:	
Authority Regulation;	1111441011	2.1. Operation of aircraft gas turbine en		
5. Supply power to the air	craft	2.2. Assembling and disassembling components of aircraft gas		
using ground power uni		turbine engine oil system;		
6. Check engine oil leak as		2.3. Determining serviceability of aircraft gas turbine engine oil		
AMM;	1	system;	2	
7. Flush oil system as per	AMM;	2.4. Special specification for oil system	n maintenance.	
8. Carry out operational te	st as per	-		
AMM;				
9. Troubleshoot aircraft ga	s turbine	3.0. Theories		
engine oil system as per	FIM;	The person must be able to explain:		
10. Clean work area, tools and		3.1 TCAA regulations;		
components;		3.2 Maintenance Procedures;		
11. Store tools, equipment a	and safety	3.3 Basic Engineering drawing.		
gear appropriately;				
12. Submit aircraft technica	_			
to certifying aircraft ma		4.1. Communication skills;		
engineer for signing of		4.2. Time management skills;		
certificate of release to	service.	4.3. Commitment;		

	4.4. Computer skills;					
	4.5. Critical thinking skills;					
	4.6. Problem solving skills;					
	4.7. Ability to work under pressure;					
	4.8. Interpersonal skills.					
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine oil					
service	system is performed as per AMM, and Engine Maintenance					
	Manual. and TCAA regulations.					
Circumstantial knowledge	Detailed knowledge about:					
	1. TCAA regulations;					
	2. Safe handling of component and tools;					
	3. Extent of responsibility;					
	4. Occupational safety and health.					

OCCUPATION	AIRCRA	FT M.	AINTENANCE ENGINEERING	OCCUPATION	3143
		ICIAN (AIRFRAME &		CODE	
	POWERI		,		
DUTY TITLE			RCRAFT GAS TURBINE	DUTY NO.	606
	ENGINE				
TASK TITLE			HEDULED MAINTENANCE	TASK NO.	60615
			C'S GAS TURBINE ENGINE		
D 0	EXHAUS				1 1 1 1
Performance criteria			erforming this task must be abl		
			aircraft's gas turbine engine exha	ust system as per	approved
Danga statamant			ad Engine Maintenance Manual.		:.:
Range statement			e performed in a hangar or ramp are aft Maintenance Engineer and TCA		ision of a
			equipment, tools and materials will		ming the
			ol kit and Torque wrench.	be needed in perior	ming the
			ENCE REQUIREMENTS		
PRACTICAL PERFOR			DERPINNING KNOWLEDGE		
The person performing the			iled knowledge about:		
must be able to do the foll			Methods		
1. Review maintenance v	work	The person performing this task must be able to explain how to:			
package and job instru	ection	1.1. Perform operational test of aircraft gas turbine engine exhaust			
cards;		system;			
2. Select right tools, equi			Use aircraft maintenance tool kit;		
and safety gears for th		1.3	Supplying power to the aircraft usi	ng ground power u	nit.
3. Observe health and sa	•				
when performing the t		2.0.	Principles		
4. Observe Tanzania Civ			person must be able to explain the p		
Aviation Authority Re		2.1.	Operation of aircraft gas turbine e		
5. Supply power to the a		2.2. Assembling and disassembling components of aircraft gas			
using ground power up. 6. Use Job Instruction Co.		turbine engine exhaust system; 2.3. Determining serviceability of aircraft gas turbine engine			ina
inspect:	aru io	2.3. Determining serviceability of aircraft gas turbine engine exhaust system.			ine
a) Turbine exhaust syst	em·	CAHa	ust system.		
- Primary sleeve assem		3.0.	Theories		
- Turbine exhaust plug;	•		person must be able to explain:		
b) Thrust reverser syste		3.1.	TCAA regulations;		
- The thrust reverser as:	-	3.2. Maintenance Procedures;			
- The thrust reverser control		3.3.	Basic Engineering drawing.		
system;					
- The thrust reverser inc	dication	4.0.	Essential skills		
system;		4.1.	Communication skills;		
7. Clean work area, tools	and	4.2.	Time management skills;		
components;		4.3.	Commitment;		
8. Store tools, equipmen		4.4.	Computer skills;		
safety gear appropriate	ely;	4.5.	Critical thinking skills;		

9. Sign job instruction cards and	4.6. Problem solving skills;
maintenance work package;	4.7. Ability to work under pressure;
10. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	4.8. Interpersonal skills.
Description of the end products /	Scheduled maintenance of aircraft's gas turbine engine exhaust
service	system is performed as per AMM and TCAA regulations and
	Engine Maintenance Manual.
Circumstantial knowledge	Detailed knowledge about:
_	1. TCAA regulations;
	2. Safe handling of component and tools;
	3. Extent of responsibility;
	4. Occupational safety and health.

O	CCUPATION	ENGINEERING TECHNICIAN (AIRFRAME		OCCUPATION CODE	3143	
		& POWE	RPLA	NT)		
D	UTY TITLE	MAINTA ENGINE	IN AI	RCRAFT GAS TURBINE	DUTY NO.	606
T	ASK TITLE	PERFOR	M UN	SCHEDULED	TASK NO.	60616
		MAINTE	NAN(CE OF AIRCRAFT'S GAS		
		TURBIN	E ENC	GINE EXHAUST SYSTEM		
Pe	erformance criteria	The perso	on pe	rforming this task must be able	to carry out uns	cheduled
				aircraft gas turbine engine exha		
				d Engine Maintenance Manual.	J 1	11
R	ange statement			e performed in a hangar or ramp a	rea under the super	vision of
	8			craft Maintenance Engineer and To		
				equipment, tools and materials w		erforming
				Tool kit and Torque wrench.	1	C
				NCE REQUIREMENTS		
PI	RACTICAL PERFORM	IANCE	UND	ERPINNING KNOWLEDGE		
Th	e person performing this	task	Deta	iled knowledge about:		
m	ust be able to do the follo	wing:	1.0.	Methods		
1.	Review maintenance wo	ork	The person performing this task must be able to explain how to:			
	package and job instruct	tion	1.1. Perform operational test of aircraft gas turbine engine exhaust			
	cards;		system;			
2.	Select right tools, equip	ment and	1.2.	Use aircraft maintenance tool kit	;	
	safety gears for the task	;	1.3 Supplying power to the aircraft using ground power unit.			unit.
3.	Observe health and safe	ty when				
	performing the task;		2.0.	Principles		
4.	Observe Tanzania Civil	Aviation	The person must be able to explain the principles of:			
	Authority Regulation;		2.1. Operation of aircraft gas turbine engine exhaust system;			
5.	Supply power to the airc	craft	2.2. Assembling and disassembling components of aircraft gas			
	using ground power uni	t;	turbine engine exhaust system;			
6.	Troubleshoot aircraft ga	s turbine	2.3. Determining serviceability of aircraft gas turbine engine			gine
	engine exhaust system a FIM;	is per	exha	ust system.		
7.	Carry out operational te	st as per	3.0.	Theories		
	AMM;	•	The p	person must be able to explain:		
8.	Clean work area, tools a	ınd	3.1. TCAA regulations;			
components;			3.2. Maintenance Procedures;			
9.	•	and safety	3.3. Basic Engineering drawing.			
	gear appropriately;	•				
10	. Submit aircraft technica	l logbook	4.0. Essential skills			
	to certifying aircraft ma					
	engineer for signing of a		4.2. Time management skills;			
	certificate of release to s		4.3.	Commitment;		
			4.4.	Computer skills;		
			4.5.	Critical thinking skills;		

	4.6. Problem solving skills;			
	4.7. Ability to work under pressure;			
	4.8. Interpersonal skills.			
Description of the end products /	Unscheduled maintenance of aircraft's gas turbine engine exhaust			
service	system is performed as per AMM, and Engine Maintenance			
	Manual. and TCAA regulations.			
Circumstantial knowledge	Detailed knowledge about:			
	1. TCAA regulations;			
	2. Safe handling of component and tools;			
	3. Extent of responsibility;			
	4. Occupational safety and health.			

OCCUPATION		T MAINTENANCE	OCCUPATION	3143
	ENGINEE	RING TECHNICIAN	CODE	
		ME & POWERPLANT)		
DUTY TITLE	MAINTAI	N AIRCRAFT PROPELLER	DUTY NO.	607
TASK TITLE PERFORM		M SCHEDULED MAINTENANCE	TASK NO.	6071
	ON AIRCI	RAFT'S PROPELLER		
	ASSEMBI	LY		
Performance criteria	The person	n performing this task must be ab	le to carry out sc	heduled
	maintenan	ce of aircraft's propeller assembly a	s per approved AN	AM and
	AMP.			
Range statement	The task w	vill be performed in a hangar or ramp	area under the sup	ervision
		ring Aircraft Maintenance Engineer.		
		wing equipment, tools and mate		
	performing	g the task: P.P.E, Tool kit, Torque w	rench, Cotton rags,	Oil and
	Steps.			
		DENCE REQUIREMENTS		
PRACTICAL PERFORM		UNDERPINNING KNOWLEDG	E	
The person performing thi		Detailed knowledge about:		
be able to do the following	•	1.0. Methods		
1. Review maintenance w		The person performing this task must be able to explain how		
package and job instru		to:		
2. Select right tools, equi		1.1 Perform inspection of aircraft propeller assembly;		
safety gears for the task		1.2 Use aircraft maintenance tool	kıt.	
3. Observe health and saf	ety when			
performing the task;		2.0. Principles	.1 1 . 0	
4. Observe Tanzania Civi	Il Aviation	The person must be able to explain		
Authority Regulation;	1	2.1. Construction of aircraft prope		
5. Use job instruction car		2.2. Assembling and disassembling of aircraft propeller		
a) Propeller blade ass	embly;	assembly components;		
b) Hub assembly;		2.3. Determining serviceability of aircraft propeller assembly.		
c) Spinner assembly;6. Service propeller with	lubricant oc	assembly.		
per job instruction card		3.0. Theories		
7. Return aircraft to norm		The person must be able to explain		
configuration;	ıaı	3.1. TCAA regulations;	•	
8. Clean work area, tools	and	3.2. Maintenance Procedures;		
components;		3.2. Waintenance Procedures, 3.3. Basic engineering drawing.		
9. Store tools, equipment	and safety	busic engineering drawing.		
gear appropriately;		4.0. Essential skills		
10. Sign job instruction car	rds and	4.1. Communication skills;		
maintenance work pac		4.2. Time management skills;		
11. Submit maintenance w	-	4.3. Commitment;		
to certifying aircraft m		4.4. Computer skills;		
engineer for signing of		4.5. Critical thinking skills;		
certificate of release to		4.6. Problem solving skills;		

	4.7. Ability to work under pressure;	
	4.8. Interpersonal skills.	
Description of the end products /	Scheduled maintenance of aircraft's propeller assembly is	
service	performed as per AMM, AMP and TCAA regulations.	
Circumstantial knowledge	Detailed knowledge about:	
	1. TCAA regulations;	
	2. Safe handling of component and tools;	
	3. Extent of responsibility;	
	4. Occupational safety and health.	

OCCUPATION	AIRCRA	FT M	IAINTENANCE	OCCUPATION	3143
	ENGINEERING TECHNICIAN		CODE		
	(AIRFRA	(AIRFRAME & POWERPLANT)			
DUTY TITLE	MAINTA	AIN A	IRCRAFT PROPELLER	DUTY NO.	607
TASK TITLE	PERFOR	M U	NSCHEDULED	TASK NO.	6072
	MAINTE	ENAN	ICE ON AIRCRAFT'S		
			ASSEMBLY		
Performance criteria			erforming this task must be a		
		maintenance of aircraft's propeller assembly as per approved AMM ar			AMM and
	AMP.				
Range statement			be performed in a hangar or rai		supervision
			Aircraft Maintenance Engineer		
		_	equipment, tools and materials	-	_
			, Tool kit, Torque wrench, Cott	on rags, Oil and St	eps.
DD A C/ELC A L DEDECODA			NCE REQUIREMENTS		
PRACTICAL PERFORM	-		DERPINNING KNOWLEDG	<u>E</u>	
The person performing this			iled knowledge about:		
must be able to do the follow 1. Review aircraft technica			Methods person performing this task mu	at ha abla ta avplai	how to
logbook;	.1				
-	ft	1.1 Perform inspection of aircraft propeller assembly;1.2 Use aircraft maintenance tool kit.			
2. Identify defect on aircraft propeller;		1.4	Osc anciait maintenance toor i	XII.	
3. Select right tools, equip	ment	2.0. Principles			
and safety gears for the		The person must be able to explain the principles of:			
4. Observe health and safety when		-	Construction of aircraft prope		
performing the task;	5		Assembling and disassembling		er
5. Observe Tanzania Civil			assembly components;	5 1 1	
Aviation Authority Regu	ılation	2.3. Determining serviceability of aircraft propeller assembly.			sembly.
6. Use AMM to perform do	etailed		•		
inspection of:		3.0. Theories			
a) External structure of	aircraft	The 1	person must be able to explain:		
propeller blade and s			TCAA regulations;		
b) Accessories of an air		3.2. Maintenance Procedures;			
propeller blade asser		3.3.	Basic engineering drawing.		
c) Propeller hub assemi	bly;	4.0			
d) Spinner assembly;		4.0.	Essential skills		
7. Use AMM to perform da	amage		Communication skills;		
evaluation on:	`aimamaft		Time management skills;		
a) External structure of propeller blade and s		4.3.	Commitment; Computer skills;		
b) Accessories of the air	-		Critical thinking skills;		
propeller blade asser			Troubleshooting skills;		
c) Propeller hub assem	-	4.7.	Ability to work under pressure	5 .	
d) Spinner assembly;	~- <i>J</i> ,		Interpersonal skills.	-,	
8. Report structural damag	e on:		P		

a) External structure of aircraft propeller blade and spinner;b) Accessories of an aircraft	
propeller blade assembly;	
c) Propeller hub assembly;	
d) Propeller spinner assembly;	
9. Perform tip tracking as per	
AMM;	
10. Return aircraft to normal	
configuration;	
11. Clean work area, tools and	
components;	
12. Store tools, equipment and	
safety gear appropriately; 13. Submit aircraft technical	
logbook to certifying aircraft maintenance engineer for	
signing of aircraft certificate of	
release to service.	
Description of the end products /	Unscheduled maintenance of aircraft's propeller assembly is
service	performed as per AMM, FIM and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about:
9	1. TCAA regulations
	2. Safe handling of component and tools
	3. Extent of responsibility
	4. Occupational safety and health

00	CCUPATION	AIRCRAI	T M	AINTENANCE	OCCUPATION	3143
		ENGINEE	ERIN	G TECHNICIAN	CODE	
		(AIRFRA	ME &	z POWERPLANT)		
DU	JTY TITLE	MAINTA	IN Al	RCRAFT PROPELLER	DUTY NO.	607
TA	ASK TITLE	PERFORM	M SC	HEDULED	TASK NO.	6073
		MAINTE	NAN	CE ON AIRCRAFT'S		
		PROPELI	PROPELLER CONTROLLING SYSTEM			
Pe	rformance criteria			rforming this task must be a		
				f aircraft's propeller controlling	ng system as per a	approved
		AMM and				
Ra	inge statement			e performed in a hangar or ram	p area under the sup	pervision
				Aircraft Maintenance Engineer.		
				equipment, tools and materials		
				Tool kit, Torque wrench, Cotto	n rags, Oil and Step	S.
DE	A CTICAL PEDEODIA			CE REQUIREMENTS		
	RACTICAL PERFORM			DERPINNING KNOWLEDG	<u>E</u>	
	e person performing this	task must		ailed knowledge about:		
	able to do the following: Review maintenance wo	1_		Methods		. 1 4
1.			The person performing this task must be able to explain how to:			
2	package and job instruction cards;		1.1 Perform operation test of aircraft propeller controlling			
۷.	2. Select right tools, equipment and		system; 1.2 Use aircraft maintenance tool kit.			
2	safety gears for the task		1.2 Ose afferant maintenance tool kit.			
3. Observe health and safety when performing the task;			2.0	Principles		
4. Observe Tanzania Civil Aviation			person must be able to explain	the principles of:		
١.	Authority Regulation;	Tiviation		Operation of aircraft propeller		
5. Use job instruction card to		to		Assembling and disassembling		
	inspect:		controlling system components;			
	a) Pitch Control Unit (PCU);	2.3. Determining serviceability of aircraft propeller controlling			
	b) Propeller Electronic		system.			
	Unit (PEC);			•		
	c) Magnetic Pick-Up U	Jnit	3.0.	Theories		
	(MPU);		The	person must be able to explain:	:	
	d) Over-speed Governo	or (OSG)		TCAA regulations;		
	and pump;			Maintenance Procedures;		
	e) Propeller feathering pump;		3.3.	Basic engineering drawing.		
	f) Inspect beta tube ass	•				
	service propeller wit		4.0.	Essential skills		
	lubricant as per job	instruction	4.1.	· · · · · · · · · · · · · · · · · · ·		
	card;	1		Time management skills;		
6.	Return aircraft to norma	ll		Commitment;		
7	configuration;	and.		Computer skills;		
7.	Clean work area, tools a	iiiu		Critical thinking skills;		
Q	components;	and cofots		Problem solving skills;	\·	
8.	Store tools, equipment a	ma safety	4./.	Ability to work under pressure	,	

gear appropriately; 9. Sign job instruction cards and maintenance work package; 10. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service.	4.8. Interpersonal skills.
Description of the end products / service	Scheduled maintenance of aircraft's propeller controlling system is performed as per AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about: 1. TCAA regulations; 2. Safe handling of component and tools; 3. Extent of responsibility; 4. Occupational safety and health.

				r	
	AIRCRAFT MAINTENANCE			OCCUPATION	3143
	ENGINEERING TECHNICIAN			CODE	
(AIRFRA	ME &	& POWERPLANT)		
	MAINTA	IN A	IRCRAFT PROPELLER	DUTY NO.	607
TASK TITLE	PERFORM	M UN	NSCHEDULED	TASK NO.	6074
			CE ON AIRCRAFT'S		
]	PROPELI	LER (CONTROLLING SYSTEM		
Performance criteria	The perso	on pe	rforming this task must be ab	ole to carry out un	scheduled
1	maintenance of aircraft's propeller controlling system as per approv			approved	
1	AMM and AMP.				
Range statement	The task v	will t	e performed in a hangar or ran	np area under the si	upervision
	of a certify	ying .	Aircraft Maintenance Engineer.		
	The follow	ving	equipment, tools and materials	will be needed in p	erforming
t	he task: P	P.P.E,	Tool kit, Torque wrench, Cotto	on rags, Oil and Step	os.
	EV	IDE	NCE REQUIREMENTS		
PRACTICAL PERFORMA	NCE	UNI	DERPINNING KNOWLEDG	E	
The person performing this ta			niled knowledge about:		
must be able to do the following	ing:		Methods		
1. Review aircraft technical			person performing this task mu		
logbook;		1.1 Perform operation test of aircraft propeller controlling			
2. Identify defect on aircraft		system;			
propeller;		1.2	Use aircraft maintenance tool k	cit.	
3. Select right tools, equipm	ent and				
safety gears for the task;			Principles		
4. Observe health and safety	when		person must be able to explain		
performing the task;			Operation of aircraft propeller		
5. Observe Tanzania Civil A	viation	2.2. Assembling and disassembling of aircraft propeller			
Authority Regulation;		controlling system components;			
6. Use FIM to troubleshoot:		2.3. Determining serviceability of aircraft propeller controlling			ntrolling
a) Propeller controlling s	system;		system.		
7. Rectify defect root cause;		2.0			
8. Carry out operational test	as per		Theories		
AMM;			person must be able to explain:		
9. Return aircraft to normal			TCAA regulations;		
configuration;	1	3.2. Maintenance Procedures;			
10. Clean work area, tools and	a	3.3.	Basic engineering drawing.		
components; 11. Store tools, equipment and	denfoty	4.0.	Essential skills		
	u salety	4.0. 4.1.			
gear appropriately; 12. Submit aircraft technical l	ogbook	4.1.	Communication skills; Time management skills;		
to certifying aircraft main	_		Commitment;		
engineer for signing of air			Computer skills;		
certificate of release to se			Critical thinking skills;		
certificate of felease to se	vicc.	4.6.	_		
			Ability to work under pressure		
		4./.	Admity to work under pressure	,	

	4.8. Interpersonal skills.		
Description of the end products /	Unscheduled maintenance of aircraft's propeller controlling		
service	system is performed as per AMM, FIM and TCAA regulations.		
Circumstantial knowledge	Detailed knowledge about:		
_	1. TCAA regulations;		
	2. Safe handling of component and tools;		
	3. Extent of responsibility;		
	4. Occupational safety and health.		

00	CCUPATION	AIRCRAF	T MAINTENANCE	OCCUPATION	3143	
			ENGINEERING TECHNICIAN			
			ME & POWERPLANT)	CODE		
DU	UTY TITLE		PERFORM AIRCRAFT GROUND		608	
			IG OPERATIONS	DUTY NO.		
TA	ASK TITLE		I ROUTINE AIRCRAFT	TASK NO.	6081	
			HANDLING OPERATIONS			
Pe	rformance criteria		n performing this task must be abl	e to carry out rout	tine aircraft	
			idling operations as per approved AM			
Ra	ange statement		ill be performed in a hangar or ram		pervision of	
	8		Aircraft Maintenance Engineer.			
		• •	ring equipment, tools and materials	will be needed in	performing	
			P.E, Tool kit, Torque wrench, Cotto			
			VIDENCE REQUIREMENTS			
PF	RACTICAL PERFOR	MANCE	UNDERPINNING KNOWLEDG	E		
Th	e person performing th	is task	Detailed knowledge about:			
mι	ust be able to do the foll	lowing:	1.0. Methods:			
1.	Review maintenance v	work	The person performing this task mu	ist be able to explain	n how to:	
	package and job instru	iction	1.1 Perform aircraft ground handling operations;			
	cards;		1.2 Use aircraft maintenance tool	kit.		
2.	Select right tools, equi	-				
	safety gears for the task;		2.0. Principles			
3.	Observe health and sa	fety when	The person must be able to explain			
	performing the task;		2.1. Lifting, levelling, shoring and		t;	
4.	Observe Tanzania Civ		2.2. Taxiing and towing an aircraft			
_	Authority Regulation;		2.3. Parking and storing an aircraft.			
5.	Use job instruction car	rd to				
	perform aircraft:		3.0. Theories			
	a) Lifting;		The person must be able to explain:			
	b) Levelling;		3.1. TCAA regulations;			
	c) Shoring;		3.2. Maintenance Procedures.			
	d) Weighing;		4.0. Essential skills			
	e) Taxiing;f) Towing;		4.1. Communication skills;			
	g) Parking;		4.1. Communication skills; 4.2. Time management skills;			
	h) Storage and Return	n to	4.3. Commitment;			
	service;		4.4. Computer skills;			
	i) Mooring;		4.5. Critical thinking skills;			
	j) Placards and markings;		4.6. Problem solving skills;			
	J)	·D-7	4.7. Ability to work under pressur	e;		
6.	Use job instruction car	rd to	4.8. Interpersonal skills.	,		
	perform:					
	a) Preservation;					
	b) De-preservation;					
7.	Return aircraft to norm	nal				

configuration; 8. Clean work area, tools and components; 9. Store tools, equipment and safety gear appropriately; 10. Sign job instruction cards and maintenance work package; 11. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of	
release to service. Description of the end products /	Routine aircraft ground handling operations are performed as per
service	AMM, AMP and TCAA regulations.
Circumstantial knowledge	Detailed knowledge about: 1. TCAA regulations; 2. Safe handling of component and tools; 3. Extent of responsibility; 4. Occupational safety and health.

TABLE 1: DACUM CHARTS FOR AIRCRAFT MAINTENANCE ENGINEERING TECHNICIAN (AIRFRAME & POWER-PLANT) LEVEL 6

DUTIES	TASK	TASK ELEMENTS	ENABLERS
1.0. Verify aircraft's airworthiness compliance with Tanzania Civil Aviation Regulations.	1.1. Inspect relevant onboard aircraft documents.	1.1.1. Inspect: a. Certificate of airworthiness b. Certificate of registration c. Certificate of airworthiness d. Radio station license e. Certificate of release to service f. Mass and balance report g. Technical log book h. Minimum equipment list i. Certificate of insurance j. Noise certificate k. Operation specification certification l. Air operator certificate	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Tanzania Civil Aviation Authority Regulations Worker behaviours: Team spirit Trustworthy Time management Commitment
	1.2. Release the aircraft to service on completion of maintenance activities.	 1.2.1. Review maintenance work package and job instruction cards a. Record the maintenance activities carried out b. Handover paper work after completion of maintenance activities c. Submit maintenance work package to certifying aircraft maintenance engineer for signing of aircraft certificate of release to service 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Work package Worker behaviours: • Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
2.0. Maintain aircraft systems.	2.1. Perform scheduled maintenance of aircraft's air conditioning system.	2.1.1. Check: a. Air cycle machine b. Ram air fan c. Condenser d. Pack bypass valves e. Pack flow control valves f. Water collector g. Crew temperature sensor and indicators Inspect: a. Heat exchanger b. Duct temperature sensor c. Cabin temperature sensor	 Trustworthy Time management Commitment Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Wrist strap Torque wrench
		d. Air condition ducts e. Outflow valves f. Safety valves	 Tool kit Worker behaviours Team spirit Trustworthy Time management Commitment
	2.2. Perform unscheduled maintenance on aircraft's air conditioning system.	2.2.1. Troubleshoot:a. Air distribution and recirculationb. Avionics equipment ventilation	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			 Personal Protective Equipment: safety shoes, dust coat and gloves Wrist strap Torque wrench Tool kit
			 Worker behaviours Team spirit Trustworthy Time management Commitment
	2.3. Perform scheduled maintenance of aircraft's fuel system.	2.3.1. Maintain: a. Fuel feed system b. Tank to tank fuel transfer system c. Fuel computer d. Fuel pumps e. Fuel drain valves f. Cross feed valve	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		g. Fuel shut off valves h. Main fuel tanks i. Surge tanks j. Fuel pressure sensors Inspect: a. Fuel temperature sensor b. Fuel filters c. Fuel level sensors d. Fuel quantity indicator e. Fuel tank heat exchanger	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Explosimeter (Gas detector) Fuel drain valve tool Torque wrench Tool kit Worker behaviours:

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Team spiritTrustworthyTime managementCommitment
	2.4. Perform unscheduled maintenance of aircraft's fuel system.	2.4.1. Troubleshoot:a. Fuel feed systemb. Fuel transfer system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Explosimeter (Gas detector) Fuel drain valve tool Torque wrench Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.5. Perform scheduled maintenance of aircraft's flight control system.	 2.5.1. Maintain: a. Aileron and aileron trim control system b. Rudder and rudder trim control system 	Generic skills and knowledge: • Using communication skills to work with others

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		c. Elevator and tab control system d. Horizontal stabilizer trim control system	and reporting to supervisors
		e. Flight spoiler control system f. Speed brake control system	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tension meter Rigging pins Force gauge Ground power unit Lock collar Target de-actuator Torque wrench Tool kit
			Worker behaviours: • Team spirit
			TrustworthyTime managementCommitment
	2.6. Perform unschedule maintenance of aircraft's flight contrasystem.	a. Aircraft flight control system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			Tools and Equipment Personal Protective

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Equipment: safety shoes, dust coat and gloves Tension meter Rigging pins Force gauge Ground power unit Lock collar Target de-actuator Torque wrench Tool kit Worker behaviours: Team spirit
			• Trustworthy
			 Time management Commitment
	2.7. Perform scheduled maintenance of aircraft's hydraulic system.	2.7.1. Maintain: a. Hydraulic accumulator b. Ram air turbine (hydraulic) c. Hydraulic heat exchanger d. Alternate extension hydraulic system	 a) Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors
		Check: a. Hydraulic reservoir b. Hydraulic level sensor c. Engine driven hydraulic pumps d. Electric hydraulic pumps e. Hydraulic pipes f. Hydraulic pressure sensors	 b) Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		g. Hydraulic isolation valve h. Hydraulic shut off valve i. Hydraulic pressure relief valves j. Hydraulic temperature sensors k. PTU Inspect: a. Hydraulic accumulator b. Ram air turbine (hydraulic) c. Hydraulic heat exchanger d. Alternate extension hydraulic system	 c) Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.8. Perform unschedule maintenance of aircraft's hydraulic system.	ed 2.8.1. Troubleshoot hydraulic system Check: a. Hydraulic isolation valve b. Hydraulic shut off valve c. Hydraulic pressure relief valves d. Leak on hydraulic pipes	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.9. Perform scheduled	2.9.10. Maintain:	Generic skills and

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	maintenance of the aircraft's oxygen system.	 a. Crew oxygen cylinder b. PBE c. Aircraft flight control system d. Oxygen-Mask Stowage Box e. Passenger Mask Release 	 knowledge: Using communication skills to work with others and reporting to supervisors
		Inspect: a. Oxygen delivery pipes b. Oxygen quantity indicator	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Manual deployment tool Torque wrench Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.10. Perform unscheduled	2.10.1. Troubleshoot oxygen system	Generic skills and knowledge:
	maintenance of the aircraft's oxygen system.	2.10.2. Check oxygen delivery pipes	Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Manual deployment tool

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			 Torque wrench Tool kit Worker behaviours: Team spirit Trustworthy
			 Time management Commitment
	2.11. Perform scheduled maintenance of the aircraft's ice and rain protection system.	 2.11.1. Inspect: a. Airframe deicer boots b. Engine intake deicer boots c. Windshields and pilot side window panels d. Pitot-static probe heaters e. Angle of attack (AOA) heaters f. Static probes heaters g. Propeller blade heaters h. Brush block, bracket unit and slip rings i. Ice detector probes j. Drain mast ice protection Maintain: a. De-icing timer unit control b. Ice detection system c. Windshield wiper system 	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.12. Perform	2.12.1. Troubleshoot:	Generic skills and
	unscheduled maintenance of the	a. Ice detection system b. Windshield wiper system	knowledge:

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	aircraft's ice and rain protection system.	c. De-icing timer unit control	Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit
			Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.13. Perform scheduled	2.13.1. Maintain:	Generic skills and
	maintenance of the aircraft's pneumatic system.	 a. Engine bleed air system b. APU bleed air system c. Bleed air ducts d. Bleed air check valves e. Pneumatic system leak 	knowledge:Using communication skills to work with others and reporting to supervisors
		Inspect: a. Bleed air valves b. High pressure shut off valves c. Flow pressure sensor d. Flow temperature sensor e. Pneumatic valve	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Worker behaviours:
			Team spirit
			Trustworthy
			• Time management
			• Commitment
	2.14. Perform	2.14.1. Troubleshoot pneumatic system	Generic skills and
	unscheduled		knowledge:
	maintenance of the	2.14.2. Repair of bleed air ducts	• Using communication
	aircraft's pneumatic		skills to work with others
	system.		and reporting to
			supervisors
			Tools and Equipment:
			Personal Protective
			Equipment: safety shoes,
			dust coat and gloves
			Torque wrench
			• Tool kit
			Worker behaviours:
			Team spirit
			• Trustworthy
			Time management
			• Commitment
	2.15. Perform scheduled	2.15.1. Inspect:	Generic skills and
	maintenance of the	a. Nose and main landing gear shock	knowledge:
	aircraft's landing gear	strut and drag strut	• Using communication
	system.	b. Yoke and stabilizer brace of main	skills to work with others
		landing gear c. Landing gear doors	and reporting to supervisors
		d. Inspect landing gear wheels	supervisors
		d. Hispect failthing gear wheels	

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		e. Carry out inspection of nose wheel steering system f. Wheel brake unit Maintain: a. Roller and up lock of main landing gear b. Nose and main landing gear retraction control system c. Nose and main landing gear extension control system d. Landing gear alternate extension system e. Landing gear brake system f. Landing gear antiskid system g. Landing gear proximity sensing system	Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Axle jacks Ground lock pins Axle nut sockets Ground power unit Hydraulic power unit Target de-actuator (copper) Target actuator (steel) Torque wrench Tool kit Worker behaviours: Trustworthy Time management Commitment
	2.16. Perform unscheduled maintenance of the aircraft's landing gear system.	2.16.1. Troubleshoot: a. Nose and main landing gear brake systems b. Antiskid system c. Proximity sensor system d. Steering system e. Landing gear extension and retraction system	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes,

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			dust coat and gloves Axle jacks Ground lock pins Axle nut sockets Ground power unit Hydraulic power unit Target de-actuator (copper) Target actuator (steel) Torque wrench
			 Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.17. Perform scheduled maintenance of the aircraft's water and waste system.	 2.17.1. Inspect: a. Potable Water System b. Potable Water Tank c. Water Quantity Indication System d. Lavatory wash water system e. Ground service panel f. Water tank assembly g. Floor drain pipe 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment
		 h. Toilet unit i. Lavatory water filter j. Lavatory waste disposal unit k. Lavatory service panel l. Vent line and muffler m. Control cables 	 Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		n. Waste water drain pipe	Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.18. Perform unscheduled maintenance of the aircraft's water and waste system.	2.18.1. Troubleshoot lavatory wash water system: a. Water Quantity Transmitter b. Pressure relief valve c. Cable control unit d. Drain valve e. Air stop valve f. Pump filter g. Lavatory water filter h. Toilet unit i. Lavatory service panel j. Motor-driven pump	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	2.19. Perform scheduled maintenance of the aircraft's fire protection system.	2.19.1. Maintain: a. Engine fire detection system b. Engine fire extinguishing system c. Cargo fire detection system d. Cargo fire extinguishing system e. Lavatory smoke detection system	Generic skills and knowledge • Using communication skills to work with others and reporting to supervisors

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		f. Lavatory fire extinguishing system g. APU fire detection system h. APU fire extinguishing system 2.19.2. Check: a. Landing gear bays fire detection elements b. Fire extinguisher cartridges c. Lavatory smoke detectors d. Portable fire extinguisher bottles	Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Wrist strap (grounding) Tool kit Worker behaviours Team spirit Trustworthy Time management Commitment
	2.20. Perform unscheduled maintenance of the aircraft's fire protection system.	2.20.1. Troubleshoot: a. Engine fire detection system b. Engine fire extinguishing system c. Cargo fire detection system d. Cargo fire extinguishing system e. Lavatory Smoke Detection system f. Lavatory fire extinguishing system g. APU fire detection system h. APU fire extinguishing system	Generic skills and knowledge Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Wrist strap (grounding) Tool kit Worker behaviours: Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Time management
			Commitment
3.0. Maintain aircraft airframe structure.	3.1. Perform scheduled maintenance of aircraft's stabilizers.	 3.1.1. Perform borescope inspection of: a. Internal structure of vertical stabilizers b. Internal structures of horizontal stabilizers c. Internal structures of elevator d. Internal structures of rudder 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			Tools and Equipment
			 Personal Protective Equipment: safety shoes, dust coat and gloves Borescope machine Tool kit
			Worker behaviours:
			• Team spirit
			Trustworthy
			Time management
			• Commitment
	3.2. Perform unscheduled maintenance of aircraft's stabilizers.	 3.2.1. Perform detailed visual inspection of: a. External structure of aircraft stabilizers b. Internal structure of aircraft stabilizers 3.2.2. Perform damage evaluation on: 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		a. External structure of aircraft	Tools and Equipment
		stabilizers	Personal Protective
		b. Internal structure of aircraft	Equipment: safety shoes,

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		stabilizers	dust coat and gloves • Borescope machine
		 3.2.3. Report structural damage on: a. External structure of aircraft stabilizers b. Internal structure of aircraft stabilizers 	 Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.3. Perform scheduled maintenance of the aircraft's fuselage.	3.3.1. Maintain:a. Landing gears supportb. Seat railsc. Windows structures	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.4. Perform unscheduled maintenance of the aircraft's fuselage.	3.4.1. Perform detailed visual inspection:a. External nose fuselage sectionb. External mid fuselage section	a) Generic skills and knowledge:

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		c. External aft fuselage section d. Bulkhead e. Forward bulkhead 3.4.2. Perform damage evaluation on: a. External nose fuselage section b. External mid fuselage section c. External aft fuselage section d. Bulkhead e. Forward bulkhead 3.4.3. Report structural damage on: a. External nose fuselage section b. External mid fuselage section c. External aft fuselage section d. Bulkhead e. Forward bulkhead	 Using communication skills to work with others and reporting to supervisors b) Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Torque wrench Tool kit c) Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.5. Perform scheduled maintenance of aircraft's windows.	3.5.1. Check: a. Flight compartment windshield b. Flight compartment side windows c. Passenger windows	 Commitment Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Flashlight Tool kit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	3.6. Perform unscheduled maintenance of aircraft's windows.	3.6.1. Perform detailed visual inspection: a. Flight compartment windshield b. Flight compartment side windows	Worker behaviours: • Team spirit • Trustworthy • Time management • Commitment Generic skills and knowledge: • Using communication
	anciait 5 windows.	c. Passenger windows	skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Flashlight Tool kit
			Worker behaviours:Team spiritTrustworthyTime managementCommitment
	3.7. Perform scheduled maintenance of the aircraft's wings.	3.7.1. Maintain: a. External structure of wing b. Internal structure of wing c. Flap structure d. Aileron structure e. Wing tips	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.8. Perform unschedule maintenance of the aircraft's wings.	3.8.1. Perform detailed visual inspection: a. External structure of wing b. Internal structure of wing c. Flap structure d. Aileron structure e. Wing tips	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		 3.8.2. Perform damage evaluation on: a. External structure of wing b. Internal structure of wing c. Flap structure d. Aileron structure e. Wing tips 	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
		3.8.3. Report structural damage on: a. External structure of wing b. Internal structure of wing c. Flap structure d. Aileron structure e. Wing tips 	 Worker behaviours: Team spirit Trustworthy Time management Commitment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
DUTIES	3.9. Perform scheduled maintenance of the aircraft's doors.	3.9.1. Maintain: a. Door drain valves b. Door retainer bracket c. Door seals d. Water inside inflatable door seals e. Door seal control valve f. Door electro-pneumatic shut-off valve g. Door drain valve and reservoir tank h. Heated check valve i. Charge valve j. Flap cover k. Interlock cam assembly l. Door seal pressurization system desiccant filter m. Door seal pressurization system	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
	3.10. Perform unscheduled maintenance of the aircraft's doors.	3.10.1. Check: a. Door balance mechanism b. Door lift mechanism c. Handrail mechanism d. Door side panel trim e. Door electro-pneumatic shut-off valve f. Door seal pressurization system g. Door lift and latch mechanism	 Commitment Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.11.Perform scheduled maintenance of the aircraft's nacelle.	3.11.1. Check: a. Nacelle fire floor access panel b. Nacelle structure, frame and struts c. Lower cowl hoist d. Nacelle frame structural identification	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.12. Perform unscheduled	3.12.1. Perform detailed visual inspection of:	Generic skills and
	maintenance of the aircraft's nacelle.	a. Lower cowl sling and lanyardb. Engine lower cowl cover	knowledge:Using communication
	and are a macone.	c. Nacelle access panels d. Upper nacelle seals	skills to work with others and reporting to

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		e. Nacelle structure, frame and struts f. Upper nacelle seals	supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	3.13. Perform scheduled maintenance of the aircraft's equipment and furnishing.	3.13.1. Maintain: a. Flight compartment seats b. Flight compartment panels c. Window shade and reveal assembly d. Emergency exit doorway lining e. Passenger seat f. Service unit g. Luggage rack h. Attendant's seats and panels i. Engine room insulation j. Cockpit emergency equipment k. Insulating blanket l. Smoke hood m. Passenger compartment emergency equipment n. Galley o. Air stair door ditching dam p. ELT locator and antenna q. Portable emergency locator transmitter r. Ceiling panels	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	3.14. Perform unscheduled maintenance of the aircraft's equipment and furnishing.	3.14.1. Troubleshoot: a. Hot jug operation b. Galley oven controls and indication c. Passenger compartment emergency equipment	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Tool kit
4. Maintain Aircraft Auxiliary Power Unit (APU).	4.1. Perform scheduled maintenance on APU.	4.1.1. Inspect: a. APU bleed valves b. Ignition cables c. Fuel manifold d. Oil filter e. Fuel filter f. Air inlet ducts 4.1.2. Maintain: a. APU oil b. Oil cooler	Worker behaviours: • Team spirit • Trustworthy • Time management • Commitment Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves
		c. Fuel metering unit (FMU) d. Ignition exciter	 Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	4.2. Perform unscheduled maintenance on the APU.	4.2.1. Troubleshoot:a. Bleed air systemb. Fuel systemc. Ignition system	Generic skills and knowledge: • Using communication skills to work with others

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		4.2.2. Maintain: a. APU control unit b. APU bleed air valve c. Fuel leak d. Fuel nozzles	and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
5. Maintain Aircraft's Piston Engine.	5.1. Perform scheduled maintenance of the aircraft's piston engine structure.	5.1.1. Inspect: a. engine mountings b. engine crankcase c. piston engine cylinder assembly d. crankshaft assembly e. Engine cowling and baffles f. connecting rods g. Accessory Drive h. Vacuum Pump Driven Gear i. Vacuum Pump j. Propeller Governor Drive 5.1.2. Perform a compression test 5.1.3. Perform cylinder borescope inspection	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves • Borescope machine • Tool kit Worker behaviours: • Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			TrustworthyTime managementCommitment
	5.2. Perform unscheduled maintenance of the aircraft's piston engine structure.	 5.2.1. Inspect:	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Borescope machine Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.3. Perform scheduled maintenance of the aircraft's piston engine fuel and control system.	5.3.1. Inspect: a. Piston rings b. Engine control cables c. Push-pull tubes d. Spark plugs e. Injection nozzle f. Fuel manifold	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		g. Engine fuel pumps h. Fuel filter 5.3.2. Examine: a. Gaskets and seals b. Fuel injectors c. Fuel lines d. Fuel tank e. Fuel selector switch	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.4. Perform unscheduled maintenance of the aircraft's piston engine fuel and control system.	5.4.1. Troubleshoot fuel and control system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves • Tool kit Worker behaviours: • Team spirit • Trustworthy

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Commitment
	5.5. Perform scheduled maintenance of the aircraft's piston engine ignition system.	5.5.1. Inspect: a. Spark plugs b. Ignition harness c. Ignition switch 5.5.2. Examine magnetos	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		5.5.3. Perform Magneto-to-Engine timing check	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.6. Perform unscheduled maintenance of the aircraft's piston engine ignition system.	5.6.1. Examine magnetos 5.6.2. Troubleshoot Magneto-to-Engine timing check	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes,

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.7. Perform scheduled maintenance of the aircraft's piston engine induction system.	5.7.1. Inspect: a. Intake pipe b. Intake filter c. Heating device d. Throttle valve e. Fuel Drain Valve Adapter Assembly	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment
			 Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			Worker behaviours:Team spiritTrustworthyTime managementCommitment
	5.8. Perform unscheduled maintenance of the aircraft's piston	5.8.1. Troubleshoot engine induction system	Generic skills and knowledge: • Using communication

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	engine induction system.		skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.9. Perform scheduled maintenance of the aircraft's piston	5.9.1. Examine: a. Oil pressure relief valve b. Thermostatic oil cooler bypass valve	Generic skills and knowledge: Using communication
	engine oil system.	c. Oil lines 5.9.2. Check: a. Oil filter	skills to work with others and reporting to supervisors
		b. Oil pumpc. Oil radiator	Tools and EquipmentPersonal Protective
		d. Magnetic pluge. Oil levels in piston engine	Equipment: safety shoes, dust coat and gloves
		5.9.3. Change engine oil	• Tool kit
		5.9.4. Inspect:	Worker behaviours: • Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		a. Oil sump drain plug	Trustworthy
		b. Oil sump	• Time management
		c. Oil pressure screen	• Commitment
	5.10. Perform unscheduled	5.10.1. Troubleshoot engine oil system	Generic skills and
	maintenance of the		knowledge:
	aircraft's piston		• Using communication
	engine oil system.		skills to work with others
			and reporting to
			supervisors
			Tools and Equipment
			Personal Protective
			Equipment: safety shoes,
			dust coat and gloves
			• Tool kit
			Worker behaviours:
			• Team spirit
			Trustworthy
			Time management
			• Commitment
	5.11. Perform scheduled	5.11.1. examine:	Generic skills and
	maintenance of the	a. Tachometer	knowledge:
	aircraft's piston	b. Oil pressure gauge	Using communication
	engine indication	c. Oil temperature gauge	skills to work with others
	system.	d. Fuel flow gauge	and reporting to
		5.11.2. check:	supervisors
		a. Cylinder head temperature probe	
		Exhaust gas temperature probe	Tools and Equipment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		5.11.3 Replace piston engine indicating system unit	 Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			Worker behaviours:
			Team spirit
			Trustworthy
			Time management
			• Commitment
	5.12. Perform unscheduled	5.12.1. Troubleshoot engine indication system	Generic skills and
	maintenance of the		knowledge:
	aircraft's piston		Using communication
	engine indication		skills to work with others
	system.		and reporting to
			supervisors
			Tools and Equipment
			Personal Protective
			Equipment: safety shoes,
			dust coat and gloves
			• Tool kit
			Worker behaviours:
			• Team spirit
			• Trustworthy
			Time management
			• Commitment
	5.13. Perform scheduled	5.13.1. examine:	Generic skills and
	maintenance of the	a. Tachometer	knowledge:
	aircraft's piston	5.13.2 Replace piston engine start unit	Using communication

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	engine starting system.		skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management
	5.14. Perform unscheduled	5.14.1. Troubleshoot engine starting system	• Commitment Generic skills and
	maintenance of the aircraft's piston engine starting system.	3.14.1. Housieshoot engine starting system	knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			Worker behaviours: • Team spirit
			Trustworthy

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			• Time management
	5.15. Perform scheduled maintenance of the aircraft's piston engine exhaust system.	5.15.1. examine: a. Exhaust pipe b. Muffler 5.15.2 Replace piston engine Exhaust system unit	 Commitment Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	5.16. Perform unscheduled maintenance of the aircraft's piston engine exhaust system.	5.16.1. Troubleshoot engine exhaust system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Tool kit
6. Maintain Aircraft's Gas Turbine Engine.	6.1. Perform scheduled maintenance of the aircraft's gas turbine engine structure.	6.1.1. Inspect: a. Pylon areas b. Engine identification placard c. Engine air intake d. Cones e. Fan blades f. Thrust reversers g. Engine exhaust shroud h. Visible turbine blades i. Engine cowlings j. Engine casing k. Engine heat insulation blankets 6.1.2. Perform borescope inspection of: a. Engine compressor b. Engine combustion chamber c. Engine turbine d. Engine gearbox (propeller engines)	Worker behaviours: • Team spirit • Trustworthy • Time management • Commitment Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves • Borescope machine • Tool kit Worker behaviours: • Team spirit • Trustworthy
			 Time management Commitment
	6.2. Perform unscheduled maintenance of the aircraft's gas turbine engine structure.	6.2.1. Perform borescope inspection of:a. Compressorb. Combustion chamberc. Turbine	Generic skills and knowledge: • Using communication skills to work with others

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		d. Gearbox (propeller engines)	and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Borescope machine Tool kit Worker behaviours:
			Team spiritTrustworthyTime managementCommitment
	6.3. Perform scheduled maintenance of the aircraft's gas turbine engine fuel system.	6.3.1. Inspect: a. Fuel pump and filter assembly b. Fuel nozzles and manifold c. Fuel return valve d. Fuel oil heat exchanger (fuel heater) e. Temperature Sensor	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		 6.3.2. Maintain: a. Fuel Filter Element b. Fuel Nozzle c. FMU d. Fuel flow meter e. Fuel filter bypass indicator f. Fuel pressure switch g. Fuel temperature sensor 	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		h. Fuel flow divider	TrustworthyTime managementCommitment
	6.4. Perform unschedule maintenance of the aircraft's gas turbine engine fuel system.	system e	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves • Tool kit Worker behaviours: • Team spirit • Trustworthy • Time management • Commitment
	6.5. Perform scheduled maintenance of the aircraft's gas turbing engine ignition syst and engine starting system.		Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			 Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.6. Perform unscheduled maintenance of the aircraft's gas turbine engine ignition system and engine starting system.	starting syetem	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.7. Perform scheduled maintenance of the	6.7.1. Maintain: a. Engine air passages	Generic skills and knowledge:

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	aircraft's gas turbine engine air system.	b. Pressure transducers c. Compressor Control - Variable stator vane actuation system (VSV) - Variable Bleed Valve System (VBV) d. Turbine Active Clearance Control System - High Pressure Turbine Active Clearance Control (HPTACC) - Low Pressure Turbine Active Clearance	 Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
	CO. Desferment ledeled	Control (LPTACC) - Transient Bleed Valve (TBV)	 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.8. Perform unscheduled maintenance of the aircraft's gas turbine engine air system.	6.8.1. Troubleshoot gas turbine engine air system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Trustworthy
			• Time management
			• Commitment
	6.9. Perform scheduled maintenance of the aircraft's gas turbine engine control system.	 6.9.1. Maintain: a. Full authority digital engine control system (FADEC) b. Engine power lever assembly c. Fuel shut off handle d. Engine control cables 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			Worker behaviours:
			• Team spirit
			 Trustworthy
			• Time management
			Commitment
	6.10. Perform unscheduled maintenance of the aircraft's gas turbine engine control system.	6.10.1. Troubleshoot full authority digital engine control system (FADEC)6.10.2. Perform engine power trimming	 Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors
			Tools and EquipmentPersonal Protective Equipment: safety shoes,

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.11. Perform scheduled maintenance of the aircraft's gas turbine engine indicating system.	6.11.1. Inspect: a. Exhaust gas temperature probe b. Torque sensor c. LP rotor speed sensor d. HP rotor speed sensor e. Vibration sensor	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.12. Perform unscheduled maintenance of the aircraft's gas turbine	6.12.1. Troubleshoot engine indicating system	Generic skills and knowledge: • Using communication

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	engine indicating system.		skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
	6.13. Perform scheduled maintenance of the aircraft's gas turbine engine oil system.	6.13.1. Inspect: a. Engine oil tank b. Oil pressure pump c. Oil pressure sensor d. Oil temperature sensor e. Oil cooler f. Oil cooler bypass valve g. Oil filter impending bypass indicator h. Oil system chip detector	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves • Tool kit
			Worker behaviours: Team spiritTrustworthy

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			 Time management Commitment
	6.14. Perform unscheduled maintenance of the aircraft's gas turbine engine oil system.	6.14.1. Check: Oil system leak 6.14.2. Flush engine oil system 6.14.3. Troubleshoot engine oil system	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Tool kit Worker behaviours: Team spirit Trustworthy
			 Time management Commitment
	6.15 Perform scheduled maintenance of aircraft's gas turbine engine exhaust system.	 6.15.1 Turbine exhaust system a. Primary sleeve assembly b. Turbine exhaust plug 6.15.2 Thrust reverser system a. The thrust reverser assembly b. The thrust reverser control system c. The thrust reverser indication system 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective

DUTIES	TASK	TASK ELEMENTS	ENABLERS
			Equipment: safety shoes,
			dust coat and gloves
			• Tool kit
			Worker behaviours:
			Team spirit
			Trustworthy
			Time management
			Commitment
	6.16 Perform	6.16.1 Troubleshoot aircraft gas turbine	Generic skills and
	unscheduled	engine exhaust system as per FIM	knowledge:
	maintenance of aircraft's		 Using communication
	gas		skills to work with others
	turbine engine exhaust		and reporting to
	system.		supervisors
			Tools and Equipment
			Personal Protective
			Equipment: safety shoes,
			dust coat and gloves
			• Tool kit
			Worker behaviours:
			Team spirit
			• Trustworthy
			Time management
			Commitment
7. Maintain Aircraft's	7.1. Perform scheduled	7.1.1. Inspect:	Generic skills and
Propeller.	maintenance on	a. Propeller blade assembly	knowledge:
	aircraft's propeller	b. Hub assembly	Using communication

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	assembly.	c. Spinner assembly	skills to work with others and reporting to
		7.1.2. Service propeller with lubricant	supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Step Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	7.2. Perform unscheduled maintenance on aircraft's propeller assembly.	 7.2.1. Perform detailed visual inspection of: a. External structure of aircraft propeller blade and spinner b. Accessories of an aircraft propeller blade assembly c. Propeller hub assembly d. Spinner assembly 	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
		 7.2.2. Perform damage evaluation on: a. External structure of aircraft propeller blade and spinner b. Accessories of the aircraft propeller blade assembly c. Propeller hub assembly d. Spinner assembly 	 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Step Torque wrench Hoist

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		 7.2.3. Report structural damage on: a. External structure of aircraft propeller blade and spinner b. Accessories of an aircraft propeller blade assembly c. Propeller hub assembly d. Propeller spinner assembly 	 Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment
	7.3. Perform scheduled maintenance on aircraft's propeller controlling system.	7.2.4. Perform tip tracking of propeller blade 7.3.1. Inspect: a. Pitch Control Unit (PCU) b. Propeller Electronic Control Unit (PEC) c. Magnetic Pick-Up Unit (MPU) d. Over-speed Governor (OSG) and pump e. Propeller feathering pump f. Inspect beta tube assembly	Generic skills and knowledge: Using communication skills to work with others and reporting to supervisors Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Step Torque wrench Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment

DUTIES	TASK	TASK ELEMENTS	ENABLERS
	7.4. Perform unscheduled maintenance on aircraft's propeller controlling system.	7.4.1. Troubleshoot propeller control system	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors
			 Tools and Equipment Personal Protective Equipment: safety shoes, dust coat and gloves Step Torque wrench Tool kit
			 Worker behaviours: Team spirit Trustworthy Time management Commitment
8. Perform Ground Handling Operations.	8.1. Perform routine ground handling operations.	8.1.1. Perform aircraft ground operations: a. Lifting b. Leveling c. Shoring d. Weighing e. Taxiing f. Towing g. Parking h. Storage and Return to service i. Mooring j. Placards and markings	Generic skills and knowledge: • Using communication skills to work with others and reporting to supervisors Tools and Equipment • Personal Protective Equipment: safety shoes, dust coat and gloves

DUTIES	TASK	TASK ELEMENTS	ENABLERS
		8.1.2. Perform engine: a. Preservation b. De-preservation	 Tow bar Chocks Jacks Weigh scales Blanks Tool kit Worker behaviours: Team spirit Trustworthy Time management Commitment