JUD Class FIUHE:	Job	Class Profile:
------------------	-----	-----------------------

Aircraft Maintenance Engineer I

Pay L	evel:		CG-33		P01	nt Band:		71	18-741	
						Accountability		Development	Environmental	
		Interpersonal				& Decision		and	Working	Total
Factor	Knowledge	Skills	Physical Effort	Concentration	Complexity	Making	Impact	Leadership	Conditions	Points
Rating	5	2	5	6	4	4	4	2	6	
Points	233	33	32	29	120	87	83	43	64	724

JOB SUMMARY

The Aircraft Maintenance Engineer I is responsible for maintaining government aircraft in accordance with Transport Canada and manufacturer's specifications.

Key and Periodic Activities

Performs aircraft maintenance engineering work which includes:

~~ ~

- Repairing aircraft systems, airframes, components and assemblies.
- Installing new engines in aircraft.
- Conducting tests and inspections of aircraft systems, engines and components.
- Inspecting and certifying all installations and routine maintenance done by aircraft mechanics to ensure the aircraft is in proper airworthy condition and meets Transport Canada Regulations.
- Completing aircraft maintenance records and inspection sheets.
- Attend training courses.
- May supervise personnel at auxiliary bases.

SKILL

Knowledge

General and Specific Knowledge:

- Knowledge of Transport Canada Regulations

Formal Education and/or Certification(s):

 Minimum: 2-3 year Diploma in Aircraft Maintenance Engineering Technology from a Transport Canada approved institution and possession of a valid Transport Canada M1 and M2 license.

Years of Experience:

— Minimum: 3 to 4 years

Competencies:

- Ability to operate a computer.
- Ability to write straightforward text to complete task cards.
- Ability to repair or calibrate machinery.
- Ability to operate machinery.

Interpersonal Skills

- Interpersonal/communication skills are used to perform activities such as listening to information from other engineers or trainees and asking questions to get information.
- The most significant contacts of are with other engineers, pilots, and managers.

EFFORT

Ph	ysical Effort
_	The demands of the job occasionally result in considerable fatigue requiring rest.
-	Regularly required to lift or move objects less than 10 lbs. and objects 10 - 25 lbs.
	Occasionally required to lift or move objects 25 - 50 lbs and over 50 lbs. An example of lifting
	or moving is moving a Q2 cart to aircraft to replenish oxygen.
-	Stand on a regular basis and occasionally sit, walk, climb, drive and work in awkward or
	cramped positions. Examples include driving a tractor to move heavy aircraft, working in a
	gear well to work on snags or twisting in awkward positions to install components.
-	hand tools that require accurate control and steadiness and using machinery or equipment that
	requires very controlled movement. Using gross motor skills, operating heavy equipment and
	using equipment that requires rapid physical movement and reflexes are required occasionally.
Co	oncentration
_	Visual concentration or alertness is required at all times when performing all maintenance and
	repair work.
-	Auditory concentration or strain and other sensory demands such as touch, smell and taste are
	required on a constant basis.
-	Eye/hand co-ordination , alertness to ensure health and safety of others and higher than
	maintenance work Alertness and concentration are required when performing repetitive
	processes such as pushing out aircraft at a small congested airport that has a lot of road traffic
	moving through it. Higher than normal levels of attentiveness and carefulness is required when
	performing all maintenance activities to ensure the safety of pilots and patients who are flying
	in the aircraft.
-	Time pressures and deadlines can occur when completing maintenance and/or repair work on
	an aircraft that is scheduled for immediate departure.
_	Exact results and precision is required on a constant basis due to the nature of work.
Co	omplexity
-	Work involves the maintenance and repair of government aircraft which involves a series of
	tasks and activities that are quite different but use similar skills and knowledge.
-	A typical problem may be engine torque fluctuating or air conditioning not working which requires troubleshooting techniques that are not listed in manuals.
-	References to assist in addressing problems, challenges and issues include manufacturer's
	manuals, guidelines, procedures and team support.
КE	SPUNSIBILITY

Accountability and Decision-Making

- Work tasks and activities are highly monitored and controlled.
- Have authority to make decisions around the service requirements of an aircraft. Approval would be required for purchasing, staffing related issues or making commitments on behalf of the organization.
- A high degree of independent discretion and judgement is required when determining problems or issues with an aircraft and/or making a decision to ground the aircraft.

Impact

- Work results can have a positive impact within the immediate work area, department/group and on pilots and passengers of the aircraft.
- Work activities may impact equipment, human resources and health and safety.
- Mistakes or errors could have an extreme impact on the immediate work area, customers/clients/general public, equipment, finances, material resources, and health and safety.
- Work tasks and activities are highly monitored and controlled and problems/errors are typically
 resolved within hours of identification.

Development and Leadership of Others

- Not directly responsible for the supervision of staff.
- There is a requirement to co-ordinate resource utilization and prioritize work assignments at auxiliary bases.

WORKING CONDITIONS

Environmental Working Conditions

- Personal risks require some safety equipment or precautions including ear defenders, respirators and other general safety equipment.
- The likelihood of minor cuts, bruises, abrasions or minor illnesses is significant while fractures, partial disability or total disability is limited.
- Constantly exposed to fumes. Exposure to unusual/distracting noise, dirt, dust, filth or garbage, hazardous chemicals, toxic or poisonous substances and heavy machinery is regular and exposure to glare, limited ventilation, limited lighting, vibration, bodily fluids and waste, infectious diseases, odours, dangerous heights or depths, wet or slippery surfaces awkward or confining spaces, sharp objects, adverse weather conditions and travel is occasional.