

TIU Airport Risk Register

Effective: 02-Nov-2020						Initial Risk			Residual Risk				
Date	Hazard Report ID	Description of Hazard	Description of Risk	Effect	Likelihood	Consequence	Rating	Management & Mitigation Strategy	Likelihood	Consequence	Rating	Monitoring Method	Review Date
2020-Nov-03 12:55	133	Vehicle/Pedestrian/Aircraft mixed-use area	Mixed use operational area Vehicle/Pedestrian/Aircraft in Melhopt lane.	Collision between operating aircraft and vehicle/pedestrians	3. Possible	Catastrophic	High	Additional signage on gate making vehicles/pedestrians aware of mixed use operational area. E mail out to user group highlighting the hazard.	2. Unlikely	Catastrophic	Medium	Communal monitoring. Incident report trends.	2020-Nov-03 13:04
2020-Jul-28 13:19	94	Aircraft collision on airside due to volume of aircraft	Aircraft Maneuvering around all airside areas	Collisions, Loss of life, Loss of aircraft or infrastructure Collision between Aircraft and other moving objects/People	Possible	Catostrophic	High	Procedures Security Supervision Safety plan Induction/Training	Unlikely	Catastrophic	Medium	Ensure all large movements on apron are controlled Training of ground handling staff Communication with all users	2020-Jul-28 13:26
2020-Jul-28 13:47	104	Hazardous substances - Fuel	Jet A1 - Z Pumps (Apron) Avgas - Z Pump (Avtek) Avgas - RD Petroleum (Aeroclub)	Aircraft damage Environmental damage Death or injury	Rare	Catastrophic	Medium	Maintenance regime by respective fuel companies. Emergency procedure documented at respective fuel pumps TDC ERP for incidents	Rare	Catastrophic	Medium	Communal monitoring Incident report trend data Fuel company maintenance programme	2020-Jul-28 14:27
2020-Jul-28 13:47	112	Incorrect, poor or lack of communication including language barriers	Unclear communications between all airside and airspace users	Mid air collision ground based collision Runway incursion	Possible	Catastrophic	High	Ongoing user group education. Communal monitoring.	3. Possible	Moderate	Medium	Communal monitoring and Report further indiscretions via CAA005	2020-Sep-04 10:29
2020-Jul-28 13:47	113	Incorrect joining procedures for circuits at TIU	Incorrect adherence to publish circuit procedures	Mid air collision	Possible	Catastrophic	High	Monitor and repport if needed to CAA via CAA 005	3. Possible	Moderate	Medium	Communal monitoring	2020-Sep-04 09:32
2020-Jul-30 16:26	115	twice a loud bang was heard when taking off on 29, thought we hit an object but looking back could see a longer patch of grass, suspect its hiding a rutt or hole.	Wildlife creating burrows in grass surface	Damage to aircraft	2. Unlikely	Moderate	Medium	Part of daily inspections for surface condition. Further monitoring.	2. Unlikely	Minor	Low	Visual inspection daily	2020-Sep-04 09:21
2020-Jul-28 13:47	108	Public car park - Moving Vehicles	Vehicle vs pedestrian, Vehicle vs Vehicle collision	Serious injury or death	Unlikely	Major	Medium	Clearly mark flow arrows Clearly marked and defined pedestrian walkways Signage Awareness	Rare	Minor	Low	Trend data Daily visual monitoring	2020-Jul-28 16:02

2020-Jul-28 13:47	111	Animals/Livestock on runways	Livestock from leased farm land or other stray animals including birds and smaller animals	Dependant on size of animal but major collision possible	Possible	Catastrophic	High	User awareness 6 Monthly meeting with farmer regarding stock management Fence inspections daily High output electric fences with additional hot wire on outriggers	Unlikely	Catastrophic	Medium	Daily visual inspection Regular fence preventative maintenance	2020-Jul-28 15:59
2020-Jul-28 13:47	110	Runway surface contamination/ Deterioration	Runway surface contamination/Deterioration can cause runway hazards. Repairs to runway can also create hazards.	Damage to aircraft during takeoff/landing phase	Possible	Moderate	Medium	Daily monitoring of runway condition via daily airfield inspections Turf management of grass runways to ensure adverse grass wear not present. Use of NOTAM to "Rest" affected areas.	Rare	Minor	Low	Daily airfield inspections 2 Monthly Airfield inspections NOTAM as required	2020-Jul-28 15:54
2020-Jul-28 13:47	109	Bird strike	Bird strike of Aircraft during operations. The presence of birds on runways and in vicinity of circuit area can be problematic. The levels of birds and wildlife varies seasonally.	Aircraft loss Major aircraft damage	Likely	Catastrophic	High	Wildlife management programme Monitoring bird movements and behaviors Active reporting from CAA	Possible	Catastrophic	High	Veoci wildlife logs CAA Bird strike reports posted monthly	2020-Jul-28 14:55
2020-Jul-28 13:47	107	Weed spraying - Overspray	Overspray of weed killer during routine spraying operations	Environmental Health	Possible	Moderate	Medium	Use qualified and experienced contractors Only carry out spray operations when conditions are suitable Find other less toxic methods	Unlikely	Minor	Low	Trend data Visual	2020-Jul-28 14:45
2020-Jul-28 13:47	106	Power and Communications cables - Underground	Striking of power or comms cables during ground works. These include the Airways Navigation aids	Aircraft on approach could go "Blind"	Unlikely	Catastrophic	Medium	Signage Only qualified contractors allowed to carry out work Permit to dig as per TDC policy Provide services drawings prior to working in the vicinity	Rare	Catastrophic	Medium	Training Permit to work	2020-Jul-28 14:41
2020-Jul-28 13:47	105	Power cables above ground	Power cables above ground down Melfopt lane	Electrocution and damage to aircraft	Unlikely	Moderate	Medium	Signage at gate crossings Only qualified contractors authorised to work or maintain	Rare	Moderate	Low	Visual Historic trend	2020-Jul-28 14:34
				Death or injury				Training on wildlife control using firearms Hierarchy of controls. Use of					

2020-Jul-28 13:47	103	Using a firearm during wildlife control	Use of firearms to control wildlife hazards	Aircraft damage Infrastructure damage Private building damage	Unlikely	Major	Medium	lethal as last resort Lowest calibre ammunition possible to effectively depredate Not to be used while Air NZ around unless exceptional scenario with approval of AOSM	Rare	Major	Low	Wildlife control method monitoring Hierarchy of methods.	2020-Jul-28 14:24
2020-Jul-28 13:33	101	Vehicles operating airside	Vehicle maneuvering around airside	Collision with aircraft or personell	Unlikely	Major	Medium	Airside vehicle procedures Security Supervision of contractors PPE Hi-Viz Safety plan Induction Training	Rare	Major	Low	Training Register Vehicle approvals	2020-Jul-28 14:18
2020-Jul-28 13:47	102	Asbestos in council buildings	Aviation heritage building (Control tower) and generator shed contain asbestos	Asbestosis	Unlikely	Major	Medium	Approval required from AOSM for any works on buildings Maintain exterior finishes to high standard to prevent degradation	Rare	Minor	Low	Visual Annual inspection	2020-Jul-28 14:17
2020-Jul-28 13:01	93	Aviation Fuel spills	Aircraft fuel and oil spills whilst aircraft are parked and refilled during refuel operations	Environmental & Personnel risk	Possible	Moderate	Medium	Fuel spill kits available, Fuelling to be carried out in bunded areas only, Correct aircraft manufactures refuelling procedure to be adhered to.	Unlikely	Minor	Low	Daily Airfield Inspection. Spill kit inspection Fire Extinguisher Training	2020-Jul-28 13:06
2020-Jun-03 17:13	92	Aero club planes constantly parked at the fuel bowsers making access difficult to some hangars and for others wanting fuel.	Aeroclub aircraft parked in front of RD fuel pumps	Damage to aircraft of collision with unseen person	Rare	Major	Low	Aeroclub to actively police the use of the RD Avgas pump and not leave aircraft at pumps when not in use.	Rare	Moderate	Low	Daily visual monitoring	2020-Jun-10 12:28