# GLENORCHY AERODROME NOISE MANAGEMENT PLAN

# **Initial Issue-DRAFT**

# Issued by QLDC

11 February 2022

### Contents

PAGE	E CHECKLIST	IV
	NDMENT RECORD SHEET	v
PART	Г 1 - POLICY	2
1.1.	Introduction	
1.2.	Interpretation	
1.3.	Objectives of the Noise Management Plan	2
1.4.	Roles and responsibilities of the organisations involved	2
1.5.	Membership	3
1.6.	Meeting frequency	3
1.7.	QMUG Fly Friendly Programme (refer section 3.6)	
1.8.	Document Amendment	
PART	T 2 – GACGC PROTOCOLS	6
2.1	Introduction	
2.2	Meeting arrangements	6
2.3	Meeting agenda	6
2.4	Meeting procedure	6
2.5	Investigation responsibilities and forms	7
PART	T 3 - NOISE ABATEMENT PROCEDURES	9
3.1	Introduction	9
3.2	Responsibilities	9
3.3	Maximum Noise levels from any Aircraft	10
3.3.1	Fixed wing aircraft	10
3.3.2	Rotary wing aircraft	10
3.4	Prohibited aircraft	10
3.5	Restricted Flight Hours	10
3.6	Restriction on aircraft movements	10
3.7 ii   P a	Aircraft noise limits	10
11 [ [ ]		

3.8	Exemptions
3.9	Restricted types of operations
3.10	Noise sensitive areas
3.11	Fixed wing noise abatement procedures
3.12	Helicopter Noise Abatement Procedures
3.13	Pilot qualification
PART	4 - COMPLAINT PROCEDURES & NON-COMPLIANCE
4.1	Introduction15
4.2	Making a complaint
4.3	Complaint Handling Procedures (Aerodrome Manager)15
4.3.1	Investigation
4.3.2	Reporting
4.3.3	Follow-up actions
4.4	Non-Compliances
4.4.1	Non-compliance with annual movement limits and annual day-night average sound level limits17
4.4.2	Non-compliance with CAA Rules
PART	FIVE - APPENDICES
Appen	ndix A – Glenorchy Aerodrome District Plan Designation Conditions
Appen	ndix B – Glenorchy Aerodrome Noise Sensitive Areas
Appen	dix C- Fly Friendly Guidelines
Appen	dix D - Noise Complaints Register and Action Form25
Appen	ndix E Form CAA00527
May a	lso be submitted on-line at https://occurrences.caa.govt.nz/ProdUI/27
Appen	adix F – Definitions
Appen	dix G - Document Amendment Request
Appen	dix H – District Plan OCB and ANB location

## PAGE CHECKLIST

Page No.	Description	Effective Date	Page No.	Description	Effective Date
Cover	Document header	11 Feb 22			
i	Contents	11 Feb 22			
ii	Page Checklist	11 Feb 22			
iii	Amendment Record	11 Feb 22			
PART ON	νE	All pages 11 Feb 22			
PART TV	VO	All pages 11 Feb 22			
PART TH	IREE	All pages 11 Feb 22			
PART FC	DUR	All pages 11 Feb 22			
PART FI	/E	All pages 11 Feb 22			

No.	Effective Date	Init	No.	Effective Date	Init
1	Initial issue		11		
2			12		
3			13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		

## AMENDMENT RECORD SHEET

### PART 1

# POLICY

### Part 1 - Policy

#### 1.1. Introduction

This plan has been developed by Queenstown Lakes District Council (QLDC). Input has been provided from the Glenorchy Aerodrome Consultative Governance Committee (GACGC).

This plan is an integral adjunct to the Glenorchy Aerodrome Reserve Management Plan (RMP) and Designation 239 contained in the QLDC Proposed District Plan (the Designation).

The Noise Management Plan (NMP) sets out the policy, standards and procedures used for the management of noise generated from aerodrome activities. It is not intended that this NMP prevents recreational aircraft operators from using the aerodrome, provided they are complying with the NMP and the Glenorchy Aerodrome Reserve Management Plan.

#### 1.2. Interpretation

In this NMP:

- a) "Aerodrome Manager" (synonymous with "Aerodrome Manager") means Queenstown Airport Corporation or any other entity or person appointed by the requiring authority to that role.
- b) AIMMS refers to the proprietary analytics software called Advanced Interactive Multidimensional Modelling Systems.
- c) An aircraft movement is a take-off or a landing.
- d) Tier 1 operator means those operators licenced by QLDC to have a base at Glenorchy Aerodrome, and who do over 250 annual movements.
- e) Tier 2A operator means those operators who are licenced by QLDC for 80 or more annual movements at the Aerodrome and are not Tier 1 operators
- f) Tier 2B operator means those operators who are licenced by QLDC for 24 to 80 annual movements at the Aerodrome
- g) Tier 3 operators means those operators who use the Aerodrome that are not Tier 1, Tier 2A, Tier 2B.
- h) CY19 means the year from 1 January 2019 to 31 December 2019
- i) Ldn means day-night average sound level and shall be as defined within NZS6805:1992 Aircraft Noise Management & Land Use Planning.

#### 1.3. Objectives of the Noise Management Plan

- Provides the basis for ongoing noise management and mitigation at Glenorchy.
- Defines roles and responsibilities of the Aerodrome Manager, aircraft operators and the GACGC in relation to aerodrome noise management.
- Provides a repository of agreed noise abatement procedures.
- To work together co-operatively, sharing information and reaching decisions by consensus and agreement.

#### 1.4. Roles and responsibilities of the organisations involved

 QLDC is the owner of the aerodrome, the requiring authority in respect of Designation 239, and is ultimately responsibility for ensuring the safe, efficient and compliant operation of the aerodrome by appointing and directing an Aerodrome Manager, administering the GACGC, developing noise abatement procedures for consideration by the GACGC, and promulgating agreed procedures. QLDC is ultimately responsible for enforcing compliance with the NMP.

- Glenorchy Aerodrome Manager is the operator of the aerodrome, appointed by QLDC. The Aerodrome Manager is responsible for investigating noise complaints and noncompliance and reporting on these matters to the GACGC, keeping GACGC and QLDC informed of aerodrome activity and developments that may affect noise. The Aerodrome Manager manages the aerodrome in accordance with the policy and procedures contained in the Glenorchy Aerodrome Conditions of Use Manual which are intended to ensure compliance with the RMA, Designation and this NMP. As at December 3 2021, Queenstown Airport Corporation is the appointed Aerodrome Manager.
- GACGC is a committee formed by QLDC and made up of representatives of the community (Glenorchy residents and aerodrome neighbours), aerodrome users, QLDC and the Aerodrome Manager. GACGC's role is to:
  - a) Receive monitoring and operational data for the aerodrome, including on investigations of noise complaints and any non-compliance.
  - b) Provide a liaison role between the community and the Aerodrome Manager and users.
  - c) Agree to the imposition of any restrictions on aircraft movements and/or operations additional to any specified in the conditions of the designation.

The GACGC is not responsible for enforcing the NMP or requiring compliance with the Designation, the District Plan, the RMA, or any licences/leases granted to use the Aerodrome.

- QMUG (Queenstown Milford Users Group). Represents commercial aircraft operators mostly providing general aviation tourist services Southern Lakes area. QMUG has a role in advising aerodrome operators in the area on safety and operational issues. QMUG also publishes an operations handbook containing flight and noise abatement procedures for aerodromes its members regularly use.
- **ATC** (Air Traffic Control). Provides air traffic services at Queenstown and Milford Sound aerodromes and the surrounding airspace. Does not currently provide any services affecting aircraft operations at Glenorchy aerodrome.
- **CAA** (Civil Aviation Authority of New Zealand). Responsible for civil aviation safety in New Zealand, including aerodrome operations and aircraft operators. Does not have any responsibility for aerodrome noise management.

#### 1.5. Membership

Membership of the GACGC will comprise the following (as a minimum):

- One Councillor representative from QLDC as the Chairperson
- One representative from the Glenorchy Community Association
- One representative from Wyuna Preserve Residents Association
- One representative from Blanket Bay Lodge
- One representative from Authorised Users of the Aerodrome (Operators)
- o One QLDC Council Officer (Secretary)
- One Aerodrome Manager representative

#### 1.6. Meeting frequency

GACGC meetings will be held every 3 months, called by QLDC.

#### 1.7. QMUG Fly Friendly Programme (refer section 3.6)

Fly Friendly is an in-flight programme initiated by QMUG, promulgated in the QMUG Operations Handbook and the AIP. Fly Friendly is intended to reduce noise nuisance from aircraft operations and improve airmanship (pilot good operating practices). The awareness programme is to be actively promoted by commercial users based at the aerodrome to its pilots, by QMUG to its wider membership and by the Aerodrome Operator.

#### 1.8. Document Amendment

The NMP is a controlled document and as such the final responsibility for any amendment and distribution rests with the QLDC, the task being delegated to the Aerodrome Manager. Any amendment to the NMP will only be approved after consultation with the GACGC.

Any request for amendment action may be made by any holder of this document using the form in Appendix I and sending the completed form by post, fax or email to:

Jeannie Galavazi, Senior Parks and Reserves Planner Queenstown Lakes District Council Private Bag 50072 Queenstown 9348 Email: property@qldc.govt.nz

## PART 2

# GACGC PROTOCOL

### Part 2 – GACGC Protocols

#### 2.1 Introduction

This section defines the protocol under which the Glenorchy Aerodrome Consultative Governance Committee operates. The protocol is based on New Zealand best practice for airport noise committees in addressing aerodrome noise issues on an ongoing basis.

#### 2.2 Meeting arrangements

The Secretary will provide all meeting administration services. All meetings will be held in accordance with the agreed Terms of Reference.

#### 2.3 Meeting agenda

All meetings will be structured to include the following general agenda headings:

- a) Apologies
- b) Review and acceptance of previous meeting minutes.
- c) Open items from previous minutes.
- d) Correspondence in/out
- e) Aerodrome Manager's quarterly report to the committee covering:
  - i. Aerodrome activity over the last quarter.
  - ii. Noise complaints new and those open and still under investigation, noise complaint trends.
  - iii. Non-compliances with RMP or NMP (if any)
  - iv. Significant changes in aerodrome activity/new aircraft types, noise abatement procedures.
  - v. Commercial Concession Agreements (if any).
  - vi. Applications to lease space for infrastructure.
  - vii. Upcoming events that may affect noise.
  - viii. Planned aerodrome maintenance and layout changes.

Open discussion on report, moderated by the Chairperson, will follow.

- f) QLDC closing comments on the Aerodrome Manager's report and governance issues (if any), including advising on any formal action taken in response to any investigations undertaken by the Aerodrome Manager.
- g) Update from QLDC on any resource consent applications or District Plan changes that may affect the aerodrome.
- h) Any other noise or governance related agenda items from members for discussion.
- i) Other business (at Chairperson's discretion)
- j) Next meeting arrangements

#### 2.4 Meeting procedure

All meetings will be conducted in a friendly and open manner in accordance with established good meeting practice (Renton's Rules).

The Chairperson will control the meeting and discussion will be directed through him/her. Wherever possible, decisions will be reached through frank, concise and open discussion leading to consensus.

Although meetings are quarterly the Chairperson can, at his/her discretion call a special meeting if there is urgent business to discuss.

#### 2.5 Investigation responsibilities and forms

The Aerodrome Manager is responsible for keeping an accurate record of and investigating all noise complaints that relate to operations at Glenorchy Aerodrome. A record of those noise complaints will be kept for at least five years. The GACGC will review complaint trends and the outcome of investigations undertaken by the Aerodrome Manager. The GACGC may ask to see the complaints record at any time.

Non-compliances with the RMP and/or Designation conditions will be addressed by QLDC based on the Aerodrome Manager's investigation. QLDC will advise the GACGC of the actions taken in response, and the GACGC will review those responses at the next quarterly meeting.

All investigations will be completed and reported on in a timely manner.

A copy of the Glenorchy Aerodrome noise complaint register and noise complaint action form are included as Appendix D. These forms will be available for residents and neighbours to download from the aerodrome website, where they may also be submitted on-line.



## NOISE ABATEMENT PROCEDURES

### Part 3 - Noise Abatement Procedures

#### 3.1 Introduction

This part of the document outlines those procedures and rules governing day-to-day operations at Glenorchy Aerodrome with respect to the responsible management of noise generated by the aerodrome's activities. Included are such operational restrictions considered necessary to minimise the impact of noise on the aerodrome's neighbours and the Glenorchy community.

The rules and procedures contained in this document are intended to keep aircraft flight paths from noise sensitive areas in the vicinity of the aerodrome, consistent with CAA Rules and flight safety.

Amendments to these procedures may be required from time to time to accommodate changes to the CAA Rules; revised airspace; introduction of new aircraft types or operating practices; or, aerodrome layout changes where these changes will impact on the effectiveness of the noise mitigation. Any such amendments are subject to review by the GACGC prior to their introduction.

In the event of any conflict between rules and procedures in this NMP and those in the RMP or Designation, the RMP or Designation rules and procedures prevail.

#### 3.2 Responsibilities

#### a) QLDC

QLDC is the requiring authority and has ultimate responsibility for compliance with the Designation 239 conditions. Additionally QLDC is the administrator of the reserve and issues licences to commercial operators who regularly use the aerodrome. These concessions will include movement limits for individual operators to ensure compliance with Designation 239 conditions.

#### b) Aerodrome Manager

In administering this NMP, the Aerodrome Manager shall adopt the best practicable options including, but not limited to, management procedures and operational controls to reduce the exposure of the community to noise from aircraft and aerodrome activities.

To the extent of the remedies available to the Aerodrome Manager, it shall be the responsibility of the Manager to ensure that all pilots comply with noise abatement rules and procedures contained in this NMP.

The Aerodrome Manager is also to encourage aerodrome users to adopt best practice and/or new technology to mitigate noise levels.

#### c) Pilots

Except where, in the judgement of the Pilot in Command, flight safety would be compromised, all pilots using the Aerodrome must:

- Comply with all noise provisions contained in Civil Aviation Rules, the AIP (Aeronautical Information Publication) and this NMP.
- Operate in accordance with the "Fly Friendly" programme as contained in Appendix C of this NMP.
- Comply with the maximum noise, restricted flight hours and noise abatement procedures specific to Fixed Wing or Helicopter operations as specified in this NMP.

#### d) Persons wish to lodge a noise complaint

To enable thorough investigation complaints must be reported following the procedure in Part 4 of this NMP as close as possible to the time of occurrence and with as much detail on the aircraft concerned as possible.

#### 3.3 Maximum Noise levels from any Aircraft

#### 3.3.1 Fixed wing aircraft

Fixed wing aircraft operating at Glenorchy Aerodrome should be compliant with applicable International Civil Aviation Standard (ICAO) Annex 16 Chapter 6 or 10 (as applicable) noise levels, or equivalent United States or European Union standards.

Aircraft which do not have evidence of meeting any of the above noise certification standards may operate at the discretion of the Aerodrome Manager. However, if such aircraft are found to be creating undue disturbance based on noise complaints received, subjective assessment by the Aerodrome Manager or measured noise levels, will be prohibited.

#### 3.3.2 Rotary wing aircraft

Rotary wing aircraft operating at Glenorchy Aerodrome should be compliant with applicable International Civil Aviation Standard (ICAO) Annex 16 Chapter 8 or 11 (as applicable) noise levels, or equivalent United States or European Union standards.

Rotary wing aircraft which do not have evidence of meeting any of the above noise certification standards may operate at the discretion of the Aerodrome Manager. However, if such aircraft are found to be creating undue disturbance based on noise complaints received, subjective assessment by the Aerodrome Manager or measured noise levels, will be prohibited.

#### 3.4 **Prohibited aircraft**

All turbojet powered aircraft are prohibited.

Notwithstanding 3.3.1 and 3.3.2, at the discretion of the Aerodrome Manager, a specific aircraft found to be creating undue disturbance may be prohibited.

#### 3.5 Restricted Flight Hours

Other than the exceptions listed below, aircraft operations, including engine testing and run ups, are prohibited between 0800 hours or morning civil twilight (whichever is later) and 2000 hours or evening civil twilight (whichever is earlier).

Exceptions:

a) Aircraft conducting essential Department of Conservation operations provided these are agreed with the GACGC.

#### 3.6 **Restriction on aircraft movements**

Total annual aircraft movements at the Aerodrome measured on a 12-month rolling basis shall not exceed that recorded in the CY2019 AIMMS aircraft movements data being 5391 movements.

#### 3.7 Aircraft noise limits

Noise from aircraft operations must not exceed 55 dB Ldn outside the Outer Control Boundary (OCB). The OCB is as shown on the District Plan Maps, included as Appendix H to this NMP for reference purposes, and shall be based on the 2019 flight movement data. Compliance with the OCB shall be determined on the following basis:

- a) Aircraft movements shall be recorded monthly by the Aerodrome Manager using aircraft logging software (such as AIMMS).
- b) Within 1 month of the end of each calendar year, the total annual number of aircraft movements shall be provided by the Aerodrome Manager to QLDC.
- c) Where recorded aircraft movements are less than 4000 per annum, no further compliance assessment is required.

- d) When recorded aircraft movements exceed 4000movements per annum, compliance with this condition shall be determined by noise contour calculations derived from records of actual aircraft operations at Glenorchy Aerodrome.
- e) When recorded aircraft movements exceed 5000 movements per annum measurement of noise levels shall be undertaken annually, in addition to the calculations undertaken for Clause (d) above, and the results shall be reported to QLDC. The measurements shall occur for a period not less than one month and the results calculated over the busiest three-month period of the year.

#### 3.8 Exemptions

The restrictions specified in Sections 3.5, 3.6 and 3.7 above do not apply to:

- a) Aircraft taking off or landing in an emergency or for precautionary safety reasons;
- b) Emergency flights required to rescue persons from life threatening situations or to transport patients, human organs or medical personnel in medical emergencies;
- c) Aircraft using the aerodrome due to unforeseen circumstances as an essential alternative to landing at their planned destination;
- d) Flights required to meet the need of a national or civil defence emergency declared under the Civil Defence Act 1983;
- e) Flights certified by the Minister of Defence as necessary for reasons of National Security in accordance with Section 4 of the Act; and
- f) Aircraft undertaking firefighting and search and rescue duties.

#### 3.9 Restricted types of operations

The following types of operation are prohibited unless specifically agreed by QLDC:

- a) Fixed wing circuit training, including simulated engine failure after takeoff and forced landing practice, unless essential to qualify a pilot for commercial operations at the aerodrome.
- b) Helicopter flight training including hover practice and sling load training.
- c) Intensive flying activity by non-resident operators, including fly-ins and aero-club rallies.
- d) Low level passes over the aerodrome, unless as a result of a precautionary "go-around" procedure.
- e) Aerobatics over the aerodrome.
- f) Formation circuit rejoins.

Note:

- (i) Nothing in the above prohibitions is intended to prevent a pilot using the aerodrome for a forced or precautionary landing.
- (ii) It is intended that applications to conduct activities normally prohibited e.g. sling training for Rural Fire and the Department of Conservation will be assessed by QLDC based on the benefit to the local community and/or the history of past use of the aerodrome for these activities. QLDC will report on a quarterly basis to GACGC any such activities which have been approved, and will where practicable, advise the GACGC prior to such operations occurring.
- (iii) It is intended that beekeeping and agricultural operations associated with the aerodrome itself will be permitted activities, subject to Reserves Act 1977 approvals.

#### 3.10 Noise sensitive areas

The noise sensitive areas of Glenorchy Township, Blanket Bay and Wyuna Preserve are shown below.



#### 3.11 Fixed wing noise abatement procedures

The following procedures must be adhered to unless the pilot in command considers it unsafe to do so:

- a) Circuit directions as depicted in the AIP must be adhered to.
- b) Avoid flying over Glenorchy Township where possible.
- c) Circling to the east of the aerodrome is only permitted as part of a standard overhead rejoin procedure.
- d) Departing aircraft must reduce to climb power as soon as safely practicable after take-off.
- e) Aircraft departing to the north or east should:
  - i. From runway 14 turn right and depart downwind remaining to the west of Glenorchy.
  - ii. From runway 32 turn left after takeoff after passing abeam Blanket Bay and before reaching Glenorchy township, and climb to the west of Glenorchy Township.
- f) Aircraft departing to the south or west should:
  - i. From runway 14 depart straight ahead or turn right and depart cross-wind.
  - ii. From runway 32 turn left after take-off after passing abeam Blanket Bay and before reaching Glenorchy Township, and depart downwind or cross-wind.
- g) Aircraft arriving from the north or east that are not joining overhead should:
  - i. For runway 14 keep joint straight in keeping east of Glenorchy Township.
  - ii. For runway 32 position to join downwind, avoiding overflight of Glenorchy Township.
- h) Aircraft arriving from the south or west that are not joining overhead should:
  - i. For runway 14 join down wind or right base, keeping south of Glenorchy Township.
  - ii. For runway 32 join straight in or left base.

#### 3.12 Helicopter Noise Abatement Procedures

The following procedures must be adhered to <u>unless the pilot in command considers it unsafe to do</u> <u>so:</u>

- a) Helicopters should follow fixed wing circuit patterns as depicted in the AIP, with the exception that helicopters departing to land at Wyuna Preserve or Blanket Bay may fly direct.
- b) Unless landing there, avoid flying over Glenorchy Township, Blanket Bay and Wyuna Preserve.

#### 3.13 Pilot qualification

Commercial operators using Glenorchy must ensure that the pilots used have current Aircare™ Sound Abatement – Helicopter or Sound Abatement Fixed wing (as appropriate) accreditation or QMUG equivalent.<sup>1</sup>

This requirement is intended to:

- a) Ensure pilot culture and aircraft operational procedures are appropriate to the peaceful environment, the aerodrome neighbours and Glenorchy residents
- b) Promote a harmonious relationship by limiting the impact of flying activities on the community and neighbours living near the aerodrome.

In relation to helicopter operations, Aircare<sup>™</sup> principles have been largely adopted from the Helicopter Association International's "Fly Neighborly" Guide, refer <u>https://www.rotor.org/Operations/FlyNeighborly.aspx</u>.

<sup>&</sup>lt;sup>1</sup> TM Aircare is a registered trademark of Aviation New Zealand. Details can be found at <u>http://www.aia.org.nz/AIRCARE.html</u>



# **COMPLAINT PROCEDURES & NON-COMPLIANCE**

### Part 4 - Complaint Procedures & Non-Compliance

#### 4.1 Introduction

Complaints regarding noise generated from Glenorchy Aerodrome or aerodrome activities shall be directed to the Aerodrome Manager.

The Glenorchy Aerodrome Manager does not accept responsibility for investigating any noise complaint related to the conduct of flight or the actions of any Pilot in Command or aircraft operator occurring outside a rectangular area of airspace measuring 9km north-south by 7km east-west centered on the runway.

This area broadly covers the Glenorchy Aerodrome circuit area and includes Glenorchy Township, Blanket Bay and Wyuna Preserve.

The Aerodrome Manager shall keep a log of all such complaints. The log shall specify the time, date, and nature of the complaint, together with investigations carried out and any remedial steps taken. The Aerodrome Manager may use the information recorded by the aerodrome's aircraft movement tracking system to investigate complaints. Other measurements may be initiated by the Aerodrome Manager or carried out by others. In all cases the GACGC is to be kept informed of measurements being carried out.

Nothing in this part of the plan shall limit the responsibilities of QLDC in carrying out its duties with respect to Section 327 of the Resource Management Act 1991.

All complaints or non-compliance reports concerning incidents other than those arising from operations at Glenorchy Aerodrome (as defined above) will either be forwarded to the Civil Aviation Authority of New Zealand or the Local Authority in whose area the incident occurred.

#### 4.2 Making a complaint

Complaints may be lodged by telephone, email or via the Glenorchy Aerodrome website.

When receiving a complaint over the telephone the person taking the details will not offer any opinion concerning the complaint other than to assure the complainant that, once all the relevant information has been recorded, the matter will be referred to the Aerodrome Manager for investigative action. Details of each individual complaint are to be recorded on the appropriate form (Appendix F).

In a similar manner to receiving a telephone complaint the details contained in any written complaint or complaints received by email on the Aerodrome website are to be entered on to the appropriate form shown in Appendix F.

Complaints should be sent to:

Glenorchy Aerodrome Manager C/- Queenstown Airport Corporation PO Box 2641 Queenstown 9349 Ph 03 450 9031 Fax 03 442 3515

#### 4.3 Complaint Handling Procedures (Aerodrome Manager)

All complaints received (including from outside the Glenorchy Aerodrome Circuit Area) are to be logged in the sequentially numbered Complaints Register shown in Appendix D once the details of the complaint have been recorded as specified below. The register will be used by the Aerodrome Manager as the statistical basis for trend analysis and reporting purposes. Unless otherwise agreed to by any complainant, personal details of complainants will remain confidential.

#### 4.3.1 Investigation

Investigation of all complaints is to be conducted by the Aerodrome Manager (or person delegated by the Aerodrome Manager) as soon as practicable after the complaint is received and, where aircraft operations are concerned, preferably within the 24-hour period immediately following receipt of same. The latter is essential for ensuring the accuracy of information and 'pilot in command' recall of details of the incident in question.

Investigative actions and/or findings are to be recorded in the appropriate section of the Complaints Form. If in the opinion of the investigating officer the complaint is of such a nature as indicates non-compliance with the Civil Aviation Rules, then the complaint is to be referred under CA Rule Part 12 to the Investigation Branch of the CAA for further action. (See Paragraph 4.2 below).

#### 4.3.2 Reporting

All complaints including investigation results are to be regularly reviewed by GACGC who will reserve the right (via the GACGC Chairperson) to require additional investigative action or measures be taken to ensure the issues concerned are satisfactorily resolved.

The Aerodrome Manager is required to analyse complaint levels, types and trends on a month-bymonth basis to ascertain the need for more generic corrective actions or changes to aerodrome operations.

In implementing the findings of any investigation proving an identified and legitimate transgression, the Aerodrome Manager shall take the following course of action:

- 1<sup>st</sup> offence Consult with the operator concerned to resolve and rectify the problem and advise the GACGC of any action taken.
- 2<sup>nd</sup> offence Advise the operator in writing that unless the issue is immediately resolved continued use of the facility by either the pilot and/or the aircraft concerned may be subject to restrictions.
- 3<sup>rd</sup> offence The Aerodrome Manager will take action to prevent the transgressor from further offence by either:
  - a. Imposing restrictions on the hours of operation of the offending aircraft; or,
  - b. Imposing operational restrictions on the way the aircraft operates to/from the aerodrome; or,
  - c. Requesting the Civil Aviation Authority to take legal action under the CA Rules; or,
  - d. Withdrawal of the right to operate the aircraft from the aerodrome; or,
  - e. Any combination of the above as may be deemed necessary to preserve the interests of the Aerodrome and the community.

#### 4.3.3 Follow-up actions

Where considered necessary or requested by the complainant, the Aerodrome Manager will write to or otherwise communicate with the originator of a complaint to advise the outcome of a particular incident.

It is understood that complaints concerning breaches of the CAA Rules forwarded to the Civil Aviation Authority may only be reported back to the originator at the discretion of the CAA (Reference CAR Part 12.61 & 63). If such is the case it is suggested the originator contact the Civil Aviation Authority direct to obtain feedback.

#### 4.4 Non-Compliances

# 4.4.1 Non-compliance with annual movement limits and annual day-night average sound level limits

On becoming aware of impending or actual non-compliances QLDC will take immediate steps to avert non-compliance and/or restore compliance, including (but not limited to):

- a) Taking any necessary steps to limit licenced operators and itinerant aircraft movements such that total annual movement limits are not exceeded.
- b) Investigating the cause of any day-night average sound level limit exceedance, such as flight track variations or a change in the mix of aircraft types using the Aerodrome, to determine whether additional controls are required.

#### 4.4.2 Non-compliance with CAA Rules

In the process of investigating any complaint in which the investigating officer believes there has been a breach of the CAA Rules then the incident is to be reported in accordance with CAR Part 12 and form CA005 completed, actioned and filed with the Safety Investigation and Analysis Unit of the Civil Aviation Authority of New Zealand. A copy of this form is included in Appendix E

Regulatory Investigations Unit Civil Aviation Authority of New Zealand PO Box 3555 Wellington 6140 Telephone (04) 560 9400

# APPENDICES

# Part Five - Appendices

<u>Appendix</u>	Description
A	District Plan Designation Noise Rules
В	Glenorchy aerodrome circuit area
С	Fly Friendly Guidelines
D	Glenorchy Aerodrome Complaints Register and Complaints Action Form
E	CA005 Occurrence Report
F	Definitions
G	Document Amendment Request
Н	2019 OCB and ANB locations

#### Appendix A – Glenorchy Aerodrome District Plan Designation Conditions

The Designation 239 conditions are included here for reference purposes. The conditions are embodied in Sections 1 to 4 of this NMP.

#### 37.2 Schedule of Designations

No.	Map No.	Authority Responsible	Purpose	Site/ Legal Description and Conditions
239	9, 25a	Queenstown Lakes District Council	Local Purpose Reserve (Airport)	Glenorchy Aerodrome, Section 11 Survey Office Plan 443869. For conditions refer to C.82 below.

#### C Conditions for Specific Designations

#### C.82 Designation # 239 – Glenorchy Aerodrome – Local Purpose (Airport)

#### Interpretation

In this designation:

- (a) 'Aerodrome Manager' means Queenstown Airport Corporation or any other person from time to time appointed by the requiring authority to that role;
- (b) AIMMS refers to the proprietary analytics software called Advanced Interactive Multidimensional Modelling Systems.

#### Purposes and works

- 1. The purposes (objectives) of this designation are to:
  - (a) Enable and protect the use and operation of Glenorchy Aerodrome (as shown on Map 9) (the 'work') including:
    - (i) Aviation facilities including the runway and navigation and safety aids;
    - (ii) Aircraft movements (including take offs, landings and ground movements);
    - (iii) Ancillary aircraft maintenance that does not occur within dedicated facilities and aircraft parking; and
  - (b) Not increase aircraft movements above those levels recorded in the 2019 AIMMS flight movements data; and
  - (c) Manage the effects of the work according to the conditions of this designation.
- 2. For the avoidance of doubt, except as provided under Condition 1, this designation does not authorise skydiving.

#### **Restrictions on Activities**

- 3. Hours of operation for all aircraft operations (except those specified under the Exemptions in Condition 11 shall be between 0800 hours or morning civil twilight (whichever is later) and 2000 hours or evening civil twilight (whichever is earlier).
- 4. Noise from aircraft operations must not exceed 55 dB Ldn outside the Outer Control Boundary (OCB). The OCB is as shown on the District Plan Maps and shall be based on the 2019 flight movement data. Compliance with the OCB shall be determined on the following basis:

- (a) Aircraft movements shall be recorded monthly by the Aerodrome Manager using aircraft logging software (such as AIMMS).
- (b) Within 1 month of the end of each calendar year, the total annual number of aircraft movements shall be provided by the Aerodrome Manager to QLDC.
- (c) Where recorded aircraft movements are less than 4000 per annum, no further compliance assessment is required.
- (d) When recorded aircraft movements exceed 4000 movements per annum, compliance with this condition shall be determined by noise contour calculations derived from records of actual aircraft operations at Glenorchy Aerodrome.
- (e) When recorded aircraft movements exceed 5000 movements per annum measurement of noise levels shall be undertaken annually, in addition to the calculations undertaken for Clause (d) above, and the results shall be reported to QLDC. The measurements shall occur for a period not less than one month and the results calculated over the busiest three-month period of the year.

#### Advice note:

Ldn shall be as defined within NZS6805:1992 Aircraft Noise Management & Land Use Planning.

- 5. Within 6 months of the date of this designation being confirmed 14 October 2021 the requiring authority must engage a suitably qualified and experienced person to prepare a Noise Management Plan (NMP) and consult with all current members of the Glenorchy Airstrip Consultative Governance Committee ('GACGC') and submit the draft NMP to QLDC's Resource Consents Manager for approval to the Manager's reasonable satisfaction that it:
  - (a) achieves the objectives in Condition 6; and
  - (b) provides for all matters required to be provided for under Condition 7 and such other matters as that Manager considers should be provided for under that condition.
- 6. The objectives of the NMP are to:
  - (a) manage the operation of the Aerodrome consistent with the purpose of the designation, including by providing a basis for ongoing noise management and mitigation at the Aerodrome;
  - (b) demonstrate how aircraft operations will comply with the noise contour required by Condition 4
  - (c) demonstrate how aircraft operations will comply with any caps on aircraft movements as required by the NMP; and
  - (d) set out the procedures for monitoring and reporting of compliance with the conditions of this designation in relation to aircraft movements and the effects of noise from aircraft movements.
- 7. The NMP:
  - (a) must:
    - specify the names of current members of the Glenorchy Airstrip Consultative Governance Committee (GACGC) which must include the Aerodrome Manager and 1 representative from each of the Glenorchy Community Association, Wyuna Preserve, Blanket Bay Lodge, and Resident Commercial Operators;
    - (ii) set out the roles of the GACGC which must include:
      - A. receiving monitoring and operational data, including on investigations of noise complaints and any non-compliance; and
      - B. providing a liaison role between the community and Airstrip Manager and users; and
      - C. agreeing to the imposition of any restrictions on aircraft movements and/or operations additional to any specified in the conditions of this designation.

- (iii) provide for and direct the Aerodrome Manager concerning the investigation of noise complaints and non-compliance and reporting to GACGC;
- (iv) provide for the monitoring of aircraft operations to ensure compliance with conditions of the designation (and any additional restrictions imposed through the NMP under clause (b);
- (v) specify a procedure to assess noise levels in accordance with condition 3 of this designation and to ensure compliance with that condition;
- (vi) include, for information purposes, a copy of the district plan map showing the ANB and OCB noise contours;
- (vii) specify the best practicable options and operational controls to manage the exposure of the community to noise from aircraft operations, including fixed wing aircraft and helicopter noise abatement procedures including specified take-off and landing routes and restrictions on the extent of "touch and go" circuit training activities (i.e. limiting these to certification procedures);
- (viii) specify the procedure for reporting the outcome of monitoring data, complaints and assessed noised levels to the GACGC on at least a quarterly basis; and
- (ix) specify a procedure for review of the NMP;
- (b) subject to the conditions of this designation, may:
  - (i) impose additional or more stringent restrictions on aircraft movements including, without limitation, caps on maximum numbers of aircraft movements and/or aircraft operational hours (whether for particular types of aircraft or purposes or generally);
  - (ii) allow for curfew exemption for flights servicing the Department of Conservation provided these are agreed with the GACGC.
- 8. The requiring authority must use its best endeavours to have an approved NMP in place within 9 months of the date of this designation being confirmed 14 October 2021.
- 9. The requiring authority must ensure that all aircraft operators comply with the approved NMP with any breach by an operator being a breach of this designation.
- 10. The requiring authority must ensure effective arrangements are in place and maintained for the investigation of noise complaints and non-compliance and reporting of these to GACGC and QLDC.

#### Exemptions

- 11. Conditions 3 to 10 inclusive do not apply to:
  - (a) aircraft landing or taking off in an emergency or for precautionary safety reasons;
  - (b) emergency flights required to rescue persons from life threatening situations or to transport patients, human organs or medical personnel in medical emergency;
  - (c) aircraft using the aerodrome due to unforeseen circumstances as an essential alternative to landing at their planned destination;
  - (d) flights required to meet the needs of a national or civil defence emergency declared under the Civil Defence Act 1983;
  - (e) flights certified by the Minister of Defence as necessary for reasons of National Security in accordance with Section 4 of the Act; and
  - (f) aircraft undertaking firefighting and search and rescue duties.

#### Appendix B – Glenorchy Aerodrome Noise Sensitive Areas

Glenorchy Aerodrome is located at 42°52'18" S 168°23'51" E



#### Appendix C- Fly Friendly Guidelines

- The Fly Friendly Programme is an integral part of aircraft operations at Glenorchy Aerodrome. The aim is to promote a harmonious relationship between aviation activities and the environment by containing the impact of aviation on our community and neighbours.
- Fly Friendly will become a part of each operator's standard operating procedure at Glenorchy helping to ensure sustainable aviation services and aviation leisure activities at the Reserve.
- All commercial operators using Glenorchy are to ensure their pilots have current Aircare<sup>™</sup> Sound Abatement – Helicopter or Sound Abatement Fixed wing (as appropriate) accreditation and in addition are briefed on Fly Friendly and follow the prescribed noise abatement procedures to the greatest extent possible, consistent with flight safety.<sup>2</sup>



<sup>&</sup>lt;sup>2</sup> <sup>TM</sup>Aircare is a registered trademark of Aviation New Zealand. Details can be found <u>at http://www.aia.org.nz/AIRCARE.html</u>

### Appendix D - Noise Complaints Register and Action Form

		REGISTER MOI	NTH:		YR:	
#	Complainant	Telephone	time	Reg'n	Nature of Complaint	Follow Up Action Taken
		-				

#### **GLENORCHY AERODROME COMPLAINT ACTION FORM**

(To be completed by the recipient of any complaint either by telephone, facsimile or verbal with as much detail as is available)

<u>Complainant</u>	Name:	Company	
	Address		
Phone	əs: Hm:	Bus:	Mob:
Date:	//	Time:	(Local Time)
Nature of Complain	nt		
Date of Occurrence	e///	Time:	(Local or UTC)
Where			
Details:			
Follow up Action Ta	aken		
Recommendations	;		
Close Out Actions			
Aerodrome Manage	erSignature		
QLDC:signature			Date://

### Appendix E Form CAA005

May also be submitted on-line at <a href="https://occurrences.caa.govt.nz/ProdUl/">https://occurrences.caa.govt.nz/ProdUl/</a>

To report an accident or serious	where applicable. Post or email to CAA as incident phone: 0508 ACCIDENT (0508 2 concerns phone: 0508 4SAFETY (0508 4 isi@caa.govt.nz	22 433) Monitored 24 hours a day		CIVIL AVIATION AUTHOR OF NEW ZEALAND Te Mana Renerangi Tumatanui o Aolea
eporter's Details				
Name			Position	
Organisation			Reporter's	
Date	Telephone	Email	Client ID	
Reporter's Ref number		Reporter's Investigati	ion 🖵 Open C	DR 🖂 Closed
Number of attachments (if	any)			
ccurrence Details				
Date of occurrence	Time		LUIC Location	
Aircraft registration ZK -	Aircraft	t Make and Model		
Operator Name Persons on			Operator C	
Board	Number of injuries - Fatal	Crew Pax	s Crew Pax	Minor Crew Pa:
Description of Occurrer	1CA			
	fork Act - Type of Noti	fication		
ealth & Safety at W		et entre entretter entretter an de	Νο	
ealth & Safety at W	f <mark>ork Act - Type of Noti</mark> ver Health & Safety at Work Act 2019 int or notifiable injury or illness)	et entre entretter entretter an de		a provide details:
i <mark>ealth &amp; Safety at W</mark> Is this a Notifiable Event p (i.e death, notifiable incide	f <mark>ork Act - Type of Noti</mark> ver Health & Safety at Work Act 2019 int or notifiable injury or illness)	5 s23-25? Yes 🗌		a provide details:
i <mark>ealth &amp; Safety at W</mark> Is this a Notifiable Event p (i.e death, notifiable incide	<b>Fork Act - Type of Noti</b> er Health & Safety at Work Act 2019 nt or notifiable injury or illness) er agencies?	5 s23-25? Yes 🗌 Yes 🔲		
<b><i>ealth &amp; Safety at W</i></b> Is this a Notifiable Event p (I.e death, notifiable incide Have you notified any oth	<b>Fork Act - Type of Noti</b> er Health & Safety at Work Act 2019 nt or notifiable injury or illness) er agencies?	5 s23-25? Yes 🗌 Yes 🔲	No 🗌 If Yes please	

perational Detai	Altitude		🖂 AGL 🗖 ASL	E FL Runway used	
Departure point		nded	Nearest r	eporting point (NRP)	
Distance and bearing		ion point NM	<b>D</b> -4		
	Non-Scheduled		True Domestic OR Interna		etops [
Nature of flight	Passenger A to A		Passenger A to B	Freight only	
	Agricultural		Business/executive     Test or ferry/position	Other Hire/reward     Training Dual	
	Training Solo		Parachuting	Other Private	
	Other (specify)				
Flight phase	parked		taxiing	takeoff	
	climb		hover aerobatics	cruise holding	
	descent		approach		
-	agricultural				
Effect on flight			Flight delayed/cancelled	Aborted takeoff	
If weather is	Failure to get airborne	ach	Emergency/precautionary desc     Abnormal approach	ent Emergency/precautio	inary landing
a significant factor include in	Turnback	EGN	Engine(s) shutdown	Significant loss of contr	rol/performanc
description of	Avoiding action		Overweight landing	Abnormal landing	
ocourrence					
Pilot in command's na Pilot flight hours in last Last checked	90 days	month flight	Cher (specify) It hours on type competency By - na	Licence No. Total flight hours	
Pilot in command's na Pilot flight hours in last	me 90 days		it hours on type competency By - na	Total flight hours	
Pilot in command's na Pilot flight hours in last Last checked	me 90 days IFR BFR 6	month flight	it hours on type competency By - na	Total flight hours	
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (rofor AC12-1)	month flight	it hours on type competency By - na lot's ID Component/system failure malfu	Total flight hours	
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (rofer AC12-1) Collision/strike object Engine power loss	month flight	It hours on type competency By - na lot's ID Component/system failure malfu	Total flight hours me notion Loss of control Airframe failure	
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (rofor AC12-1)	month flight	It hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence	Total flight hours me inction Loss of control Airframe failure Flight crew illness/inc	sapacitation
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes	month flight	It hours on type competency By - na lot's ID Component/system failure malfu	Total flight hours me inction Loss of control Airframe failure Flight crew illness/inc	
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons	month flight	it hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc	Total flight hours me notion Loss of control Airframe failure Flight crew illness/inc edures Evacuation	
Pilot in command's na Pilot flight hours in last Last checked Date checked	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre	month flight Check pil	It hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proco Valid waming/alert system	Total flight hours me notion Loss of control Airframe failure Flight crew illness/inc edures Evacuation	
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision	month flight Check pil ence / TMA/C	It hours on type competency By - na lot's ID Component/system failure maifu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc Valid waming/alert system Other (specify) Loss of separation	Total flight hours me notion Loss of control Airframe failure Flight crew illness/inc edures Evacuation Invalid warning/alert Unauthorised altitude	system
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (rofer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace ind	month flight Check pil ence / TMA/C cursion	It hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc Valid waming/alert system Other (specify) Loss of separation Breach of other clearance	Total flight hours me notion Loss of control Airframe failure Flight crew illness/inc edures Evacuation Invalid warning/alert Unauthorised altitude Pilot flight planning d	system
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (rofer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace inc Clearance/instruction def	month flight Check pil ence / TMA/C cursion liciency	at hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Flight information deficiency	Total flight hours me Inction Loss of control Airframe failure Flight crew illness/inc edures Evacuation Invalid warning/alert Flight planning d Other (specify)	system
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (rofer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace ind	month flight Check pil ence / TMA/C cursion liciency	It hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc Valid waming/alert system Other (specify) Loss of separation Breach of other clearance	Total flight hours me notion Loss of control Airframe failure Flight crew illness/inc edures Evacuation Invalid warning/alert Unauthorised altitude Pilot flight planning d	system
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (rofer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace inc Clearance/instruction def	month flight Check pil ence / TMA/C cursion liciency	at hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proc Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Flight information deficiency	Total flight hours me Inction Loss of control Airframe failure Flight crew illness/inc edures Evacuation Invalid warning/alert Flight planning d Other (specify)	system
Pilot in command's na Pilot flight hours in last Last checked Date checked Date checked Accident/incident	me 90 days IFR BFR 6  Ce (rofor AC12-1) Collision/strike object Engine power loss Fire/explosion/furnes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace in Clearance/instruction def TCAS alert Facility ID Failure/non availability	month flight Check pil ence / TMA/C cursion liciency RA	tt hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proce Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Flight information deficiency IA Intruder relative alt in feet Name Coverage/intensity deficiency	Total flight hours me Inction Loss of control Airframe failure edures Flight crew illness/inc edures Unauthorised altitude Pliot flight planning d Other (specify) Relative position Facility Type Alignment/course del	system e penetration eficiency o'cloc
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Graine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Clearance/instruction def TCAS alert F Facility ID	month flight Check pil ence / TMA/C cursion liciency RA	tt hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proce Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Flight information deficiency IA Intruder relative alt in feet Name	Total flight hours me Inction Loss of control Airframe failure Flight crew illness/inc edures Unauthorised altitude Pliot flight planning d Other (specify) Relative position Facility Type Alignment/course del	e penetration eficiency o'cloc
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident Arspace incident	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Grading power loss Fire/explosion/furnes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Onear collision Clearance/instruction def TCAS alert Facility ID Facility ID Facility ID Readability deficiency	month flight Check pil ence / TMA/C cursion liciency RA	tt hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proce Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Filght information deficiency Filght information deficiency IA Intruder relative alt in feet Name Coverage/intensity deficiency Faise overhead/distance indicated Interference	Total flight hours me Inction Loss of control Airframe failure Flight crew illness/inc edures Flight crew illness/inc edures Flight crew illness/inc edures Flight crew illness/inc edures Flight crew illness/inc Facility Type Tacility Type tion Halignment/course definition Other (specify)	system e penetration eficiency o'cloc
Pilot in command's na Pilot flight hours in last Last checked Date checked Accident/incident	me 90 days IFR BFR 6 Ce (refer AC12-1) Collision/strike object Engine power loss Fire/explosion/fumes Injuries to persons Pax/cargo related occurre Emergency declaration Airspace ID - e.g AA Near collision Unauthorised airspace ind Clearance/instruction def TCAS alert F Facility ID Failure/non availability Excessive bends/roughne	month flight Check pil ence / TMA/C cursion liciency RA	tt hours on type competency By - na lot's ID Component/system failure malfu Damage to aircraft Fuel/fluids occurrence Failure of emergency equip/proce Valid waming/alert system Other (specify) Loss of separation Breach of other clearance Flight information deficiency IA Intruder relative alt in feet Name Coverage/intensity deficiency False overhead/distance indica	Total flight hours me Inction Loss of control Airframe failure Flight crew illness/inc edures Unauthorised altitude Pliot flight planning d Dither (specify) Relative position Facility Type Alignment/course dei tion Airgnment/course dei Cother (specify) Wildlife incursion	e penetration efficiency o'cloo ficiency icy

Bit Kie       Near Strike       Species       Smill       Medium       International Strike         Number seen       1       2-10       111-100       100+         Number init       1       2-10       111-100       100+         iterraft Defect/Engineering Details       Iterraft Defect/Engineering Details       Iterraft Defect/Engineering Details         Major component/system affected       AtA Code       Part Defect/Ve       Iterraft Defect/Engineering Details         Manufacturer       Model       Safal number       Iterraft Defect/Engineering Details       Iterraft Defect/Ve         Manufacturer       Model       Part Defect/Ve       Model       Iterraft Defect/Ve       Iterraft Defect/Ve         T1IS       Hours       Cycles       TSO       Hours       Cycles       No       Iterraft Compliance with       AD       SB       Specify reference         Maintenance organisation       Client ID       Telephone       Atrantit damage level       Destroyed       Substantial       Minor       Other (specify)         Aircraft damage level       Destroyed       Substantial       Minor       Other (specify)       Itelephone         Engineering Description of Incident       Itelephone       Itelephone       Itelephone       Itelephone       Itelephone	Dangerous Goods	Spillage/leakage Other (specify)	Fumes/gas/smoke/fire	Mis/non-declaration
ircraft Defect/Engineering Details   Major component/system affected   ATA Code   Part Defective   Manufacturer   Manu	Bird Hazard	Number seen 🔲 1	<b>2-10 11-100 100+</b>	Small Medium
ATA Code Part Defective     Manufacturer Model     Part number Serial number     TTIS Hours     Cycles TSI     Hours Cycles     Detection phase Unscheduled   OR Scheduled maintenance     Manufacturer advised Ves     Maintenance organisation Client ID     Aircraft damage level Destroyed   Substantial Minor   Other (specify)	rcraft Defect/Er			
Manufacturer Model   Part number Serial number   TTIS Hours Cycles   TSO Hours Cycles   Detection phase Unscheduled   OR Scheduled maintenance   Manufacturer advised Yes   No Compliance with   AD SB   Specify reference     Maintenance organisation   Client ID   Telephone   Aircraft damage level   Destroyed   Substantial   Minor   Other (specify)	Major component/sys	stem affected		
Part number Serial number     TTIS Hours   Vocles TSO   Hours Cycles   Detection phase Unscheduled   OR Scheduled maintenance   Manufacturer advised Yes   No Compliance with   AD SB   Specify reference     Maintenance organisation     Client ID   Telephone     Aircraft damage level   Destroyed   Substantial   Minor   Other (specify)	ATA Code	Part Defe	ctive	
TTIS Hours Cycles TSO Hours Cycles TSI Hours Cycles Cycles TSI Hours Cycles <td>Manufacturer</td> <td></td> <td>Model</td> <td></td>	Manufacturer		Model	
Detection phase Unscheduled OR Scheduled maintenance Manufacturer advised Yes No   Compliance with AD SB Specify reference   Maintenance organisation   Client ID Telephone   Aircraft damage level   Destroyed Substantial Minor   Other (specify) Image level   Write-off Repair   Unknown	Part number		Serial number	
Compliance with       AD       SB       Specify reference         Maintenance organisation       Client ID       Telephone         Aircraft damage level       Destroyed       Substantial       Minor       Other (specify)         Aircraft disposal       Write-off       Repair       Unknown       Other (specify)	TTIS Ho	ours Cycles TS	O Hours Cycles	TSI Hours Cyc
Compliance with AD B Specify reference     Maintenance organisation Client ID Telephone     Aircraft damage level Destroyed Substantial Minor Other (specify)     Aircraft disposal Write-off Repair Unknown Other (specify)	Detection phase	Unscheduled OR	Scheduled maintenance Manuf	acturer advised Yes 🗌 No 🗌
Aircraft damage level       Destroyed       Substantial       Minor       Other (specify)         Aircraft disposal       Write-off       Repair       Unknown       Other (specify)			Specify reference	
Aircraft disposal 🗌 Write-off 🗌 Repair 🗌 Unknown 🗌 Other (specify)	Maintenance organisa	ation	Client ID	Telephone
	Aircraft damage level	Destroyed Sul	ostantial 🗌 Minor 📄 Other (sp	ecify)
	Aircraft disposal	<b>—</b> ———————————————————————————————————		
	Engineering Descri		oair L Unknown L Other (sp	ecify)
	Engineering Descri		Jair _ Unknown _ Other (sp	ecify)

#### Occurrence Reports



The Civil Avlation Authority maintains a computer database which records all avlation-related occurrences.

The objective of reporting occurrences is to provide information for the CAA to improve flight safety.

This is achieved by analysis of safety-related trends so that preventative actions may be taken.

Your cooperation in notifying, reporting and investigating safety-related occurrences is requested so that together we can achieve a safer aviation environment.

FREEPOST NO. 146123



Free 🔄

Safety Analysis Civil Aviation Authority PO Box 3555 Wellington 6140

#### Appendix F – Definitions

These definitions are additional to those included in Section 1.2 of this NMP.

Aerodrome Manager means the operator of Glenorchy Aerodrome as stated in the AIP.

#### Aerobatic Flight (CAR Part 1) -

(1) An intentional manoeuvre in which the aircraft is in sustained inverted flight or is rolled from upright to inverted or from inverted to upright position; or,

(2) Manoeuvres such as rolls, loops, spins, upward vertical flight culminating in a stall turn, hammerhead or whip stall, or a combination of such manoeuvres

Aerodrome means Glenorchy Aerodrome and has the same meaning as Aerodrome as defined below.

**AIP** means the **"Aeronautical Information Publication"** published by the Civil Aviation Authority of New Zealand.

**AGL** means above ground level (Note: for the purposes of this document, AGL refers to height above airfield elevation which in the case of Glenorchy Aerodrome is 1255 feet AMSL)

*Aircraft* in terms of the Civil Aviation Act 1990, means any machine that can derive support in the atmosphere from the reactions of the air otherwise than by the reactions of the air against the surface of the earth.

**Aircraft Engine Testing Noise** means noise from aircraft engine(s) undergoing testing for the purposes of engine maintenance and does not include normal operational aircraft engine run-ups. (i.e.: aircraft warming up prior to take-off) or any noise generated by the taxiing or towing of aircraft to or from the designated engine testing location.

*Aircraft Movement* means one aircraft take-off, landing, touch-and-go, or missed approach. A "Touch-and-go" shall be deemed to be two aircraft movements

**Aerodrome** means Glenorchy Aerodrome defined by land contained within the Glenorchy Aerodrome Reserve boundary.

AMSL means above mean sea level.

*Air Traffic Control (ATC)* means the organisation(s) providing air traffic services at Queenstown and Milford Sound aerodromes and the surrounding airspace.

Aviation Event in this document means an event to be conducted below the minimum safe heights prescribed under CAR Part 91.703 that is -

- (1) An air race or practice for an air race; or,
- (2) An aerobatic competition; or,
- (3) Aerobatic training or practice.

CAA means the Civil Aviation Authority of New Zealand.

CAR means Civil Aviation Rule

Circuit Training means the use of the fixed wing circuit or the helicopter circuit for training purposes

Council means Queenstown Lakes District Council

*dBA* is a measurement of sound pressure level which has its frequency characteristics modified by a filter so as to more closely approximate the frequency bias of the human ear.

Director means the Director of the Civil Aviation Authority of New Zealand.

*Turbojet* means a gas turbine engine that uses the residual gas flow energy directly as propulsion.

*Extended Centreline* means the centreline of runway 14/32 extended in the direction of take-off or back along the final approach track.

*Fixed Wing Circuit* means that pattern, located on the west side of the Aerodrome flown by fixed wing aircraft for the purpose of sequencing themselves to or from runway 14/32.

*Fly Friendly* refers to the specific voluntary programme of good flying practices promoted by QLDC and the Aerodrome Manager with the aim of improving in-flight pilot behaviour and promoting harmony between aerodrome users and surrounding land.

**GA** means General Aviation

*General Aviation* is defined by the CAA as all aviation activity at civil aerodromes other than regular passenger flights scheduled by international and domestic airlines.

*Glenorchy Aerodrome Circuit Area* is the area surrounding the Aerodrome as depicted in Appendix B of this document.

**Glenorchy Aerodrome Consultative Governance Committee (GACGC)** is a committee formed by QLDC to provide feedback and advice to QLDC and the Aerodrome Manager on issues relating to aerodrome governance, but with a focus on aircraft noise.

*Low Level Pass* means any aircraft flight below 600 feet AMSL not being an aircraft movement or flight activity authorised by the Glenorchy Aerodrome Noise Management Plan.

**NZDT** means NZ daylight time: that time during which daylight saving is in effect.

NZLT means NZ local time: time referenced regardless of whether daylight saving is in effect.

**NZST** means NZ standard time: the time reference used when daylight saving is not in effect.

**QNH** is an altimeter sub-scale setting to obtain elevation when on the ground. That is to say height above mean sea level.

**Queenstown Milford Users Group** (QMUG) is a group representing commercial aircraft operators providing general aviation tourist services Southern Lakes area.

**Resident operator** is an aircraft operator who has been granted a licence by QLDC to base one or more aircraft at Glenorchy Aerodrome.

*Scheduled Flight* means freight or passenger flights that are established on a permanent timetable basis.

**TLOF** means Helicopter Touch Down and Lift Off area

UTC means the Coordinated Universal Time or reference to the old GMT (Greenwich Mean Time).

#### Appendix G - Document Amendment Request

TO: The Aerodrome Manager Glenorchy Aerodrome [Address]

FROM:	
-------	--

I/We wish to request an amendment to the following Section(s) of the Noise Management Plan as listed below:

1.	
2.	
3.	
4.	
5.	
6.	

Reasons for the request are as follows:

1.	
2.	
3.	
4.	
5.	
6.	

Suggested wording (Use separate sheet(s) as required:

1.	
2.	
3.	
4.	
5.	

#### Appendix H – District Plan OCB and ANB location

