Gliding New Zealand

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VERSION 3.61 ISSUED 01 JULY 2020

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Gliding New Zealand

PILOT TRAINING PROGRAM

RECORD OF PROGRESS

NAME

ALL DEFINITIONS AND DESCRIPTIONS ARE AT **TRAINING.GLIDING.CO.NZ**

Name

1. SOLO PILOT

	Self-Prepared	Reviewed	Date	Completed	Date
Self-Preparation					
Logbook and Training Record					
Airfield and Safety Rules					
Glider Familiarisation					
Ground Handling + Retrieving					
Launch Point Procedures					
Human Factors 1: I'M SAFE					
Join a Club Roster					
Aircraft Handling					
Taking Control / Handing Back Control					
Effects of Controls (All)					
Cockpit Check Lists					
Lookout, Habit of Active Scanning					
Straight Flight, Use of Trimmer					
Coordinated 90° Turn, 30° Bank					
Circuit and Landing					
Circuit - Standard Pattern					
Circuit - Steady Speed (Target ±5 kts)					
Approach Control, Aimimg Point					
Roundout and Smooth Touchdown					
Circuit Too Close In / Cramped					
Circuit Too Far Out					
Circuit Started Too High					
Running Out of Height in Circuit					
No-Instrument Flight and Landing					
Baulked Approach					
Balloon / Bounce Recovery					
Minimum Speed, Unusual Attitude					
Basic Stall Recognition, Wings Level					
Effect of Turning + Brakes on Stall Speed					
Safe Speed Near the Ground					
Wing Drop Stall and Recovery					
Demonstration of a 1-Turn Spin					
Spiral Dive vs Spin					
Launch *(one method required for solo)*					
Competent at Aerotow Launch					
Launch Signals - Aerotow					
Launch Failure Exercises - Aerotow					
Competent at Winch Launch					
Launch Signals - Winch					
Launch Failure Exercises - Winch					
Almost There					
Demo Crosswind Launch/Land					
Medical Declaration					
10 Oral Questions Answered					
First Solo Flight					

Name

WINCH DRIVER

	Self-Prepared	Reviewed	Date	Completed	Date
Preparation					
Three Glider Flights by Winch					
Basic Theory of Winch Launching					
Read Winch Operating Manual					
Safety Precautions with Cables					
Daily Inspection, Review Log Book					
Towing Winch Behind Vehicle					
Setup					
Winch Setup on Field					
Parachute and Strop Inspection					
Cable Car Checks					
Cable Car Driver Briefing					
Authority and Responsibilities					
Clear Area Around Winch					
Liaison with Launch Point					
No Passengers or Observers in Cab					
Winch Driving					
Winch Controls, Hand Locations					
Throttle Guide, Use of Throttle					
Radio Phraseology					
Signal Lights + Glider Signals					
Engine Temperature Management					
Normal Launch Procedure					
Cable Stopped Before Landing					
Review of Emergency Stop					
Rehearse Use of Guillotine					
Solo in Cab					
Handling Non-Normal Situations					
Launching in Tail Wind					
Launching in Cross Wind					
Cable Retrieve After Failed Launch					
Cable Loops, Check after Braking					
Winch Power Failure: Simulated or Real					
Cable Hang-up Procedure					
Other Procedures					
Cables Not Towed Out Straight					
Cable Retrieve from Mid Field					
Closing Down at End of Day					
Reporting Winch Defects					
Winch Refuelling					
Maintenance and Repair					
Cable Splice - Loop and In-Line					
Change Broken Weak Link					
Change Strops and Traces					

Name

3. CROSS COUNTRY PILOT

	Self-Prepared	Reviewed	Date	Completed	Date
Self-Preparation					
Map Reading and Local Airspace					
Hydration and In-Flight Relief					
Parachute Use & Maintenance					
Field Selection from Air (7S's)					
Maintenance Manual and Rules					
Aircraft Handling					
Rig & De-Rig, Prep for Road Retrieve					
Rapid Descent					
Benign Spiral Mode					
Safe Circling Against a Ridge					
Circuit and Landing					
Landing on Sloping Ground					
Downwind Landing / Ground Loop					
Reduce Speed on Stablised Approach					
Soaring Techniques					
Accurate Centering Technique					
Safe Gaggle Flying Etiquette					
Factors Affecting Gliding Distance					
Preparation for 50 km Flight					
Soar/Land Decision-making, 3-2-1 Rule					
Plan Route for 50 km Flight					
Identify Landable Areas On Route					
Operate GPS Navigation Device					
Transponder Operation					
Flight in Controlled Airspace					

Study Course and Examinations	Study Guide	Date	Exam Pass	Date
Human Factors and Flight Safety (HF)				
Aviation Law and Rules (Law)				
Meteorology for Glider Pilots (Met)				
Air Navigation and Airmanship (Nav)				
Radio Phraseology and Procedures (Rad)				
Glider Technical Knowledge (Tech)				

Anticipation	Completed	Date
Dual Flight in GNZ Competition		
Dual Flight in Mountain Wave		

Almost There	Self-Prepared	Reviewed	Date	Completed	Date
Field Selection + Outlanding - Dual					
Supervised Field Outlanding - Solo					
25 hours as Pilot in Command					
Flight Test for Passenger Rating					
Cleared to Fly Cross Country					
Solo Flight - 50 km between 2 points					

Pilot Training Record of Progress - Form Revision 3.61 - 01 July 2020 Descriptions are at training.gliding.co.nz

Name

4. TASK PILOT

	Self-Prepared	Date	Completed	Date
Self Preparation				
Hydration, Nutrition, Fatigue				
Turnpoint Database, VNC Maps				
FAI Badge Requirements, Task Rules				
GNZ Contest Rules & Scoring System				
Documents to be Carried in Aircraft				
Retrieve Vehicle, Trailer, Crew				
Visual Illusions and Deceptions				
Aircraft Handling				
Glider Preparation for Task Flying				
Efficient Flying Techniques				
Use of Water and Trim Ballast				
Dual Aerotow				
Circuit and Safe Landing				
Landing with Many Gliders in Circuit				
Cockpit Checks at Task End				
Accurate Final Glide to Finish				
Aerotow Retrieve after Out-Landing				
Soaring Techniques				
Using Convergences and Fronts				
Optimal Cross-Country Speed				
Dolphin Flight Along Energy Lines				
Tasks and Navigation				
Principles of Task Setting				
Configure Nav Computer, Enter Task				
Navigate to a Point using GPS				
Start and Finish Options				
Download and Review Flight Log				
Upload Flight to On-Line Contest				
Risk Management and Safety				
Collision Avoidance Systems				
Flight Following Procedures				
Flying Open Class Gliders				
Incident and Accident Reporting Rules				
Just Culture & Attitude to Reporting				
Anticipation				
Rehearse Action in Event of Mid-Air				
Rehearse Landing in an Emergency				
Plan Actions After an Outlanding				
Survival in Bush and Mountains				
Rehearse Parachute Descent				
Almost There				
Complete a Task at a GNZ Contest				
Gold Distance Flight 300 km				

Name

5. ALPINE PILOT

	Self-Prepared	Date	Completed	Date
Self Preparation				
Attend Course in Mountain Flying				
Attend Hypobaric Chamber Course				
High Altitude Physiological Effects				
Oxygen Systems and Handling				
Cockpit Security In Turbulence				
Impact of Temperature on Glider				
Wave and Convergence Theory				
Altitude AMSL vs Flight Level				
Aircraft Handling				
Launching in Wave Conditions				
Don't Hit The Mountain - Review				
Turbulence / Unusual Attitude Recovery				
IAS / TAS / Overspeed / Flutter				
Circuit and Safe Landing				
Assessing Valley Winds for Landing				
Avoiding Turbulent Landing Areas				
Securing Glider on Ground in Wind				
Soaring Techniques				
Flight Close to Ridge in Anabatic Lift				
Locating Thermals in the Mountains				
Finding and Using Mountain Wave				
Jumping Wave Lines - Fwd/Back				
Safe Techniques for Crossing Saddles				
Using Convergences in Mountains				
Climbing in Rotor Under a Wave				
Navigation and Instruments				
Identifying Alpine Landing Areas				
Airspace Use in Strong Climb/Descent				
Battery Performance at Low Temp				
Preventing Instrument Problems				
MBZ Areas, Common Landmarks				
Flight Following and Being Traced				
Things to Think About				
Inadvertent Entry into IMC				
Collision Risk on Energy Lines				
Battery Fail in Controlled Airspace				
Airbrakes Jammed Open or Closed				
Transponder Emergency Codes				
Hypoxia, Hyperventilation Checks				
Water Ballast Under Icing Conditions				
Survival Equipment and Plans				
Other Traps in Alpine Flying				
Solo Alpine Flight to Aoraki / Mt Cook				

Pilot Training Record of Progress - Form Revision 3.61 - 01 July 2020 Descriptions are at training.gliding.co.nz

Name

2. SOARING PILOT

	Self-Prepared	Reviewed	Date	Completed	Date
Self-Preparation					
Responsibilites of Pilot in Command					
Human Factors 2: Attitude to Risk					
Daily Inspection Approval					
Glider Flight Manual					
GNZ Manual of Approved Procedures					
Radio Phraseology and Use					
Operator Maintenance Permitted					
Local Landmarks within 10km					
Aircraft Handling					
Lookout - Consistent and Effective Scan					
360° Turns at 45° Bank					
Review of Slip, Skid, Yaw					
Use of Camber-Changing Flaps					
Flight at Higher Speeds, Polar Curve					
Circuit and Landing					
Circuit - Steady Speed (±3 kts)					
Side-Slip on Approach, Slipping Turn					
Cross-Wind Landing					
Strong Wind Landing					
Factors Affecting Landing Distance					
Minimum Speed, Unusual Attitude					
Wing Drop Stall Consolidation					
Full Spin Consolidation					
Review Spin vs Spiral Dive					
Lazy Eight Manoeuvre					
Launch Review & Consolidation					
Aerotow - Consolidation					
Aerotow - Signals and Emergencies					
Winch - Consolidation					
Winch - Signals and Emergencies					
Soaring Techniques					
Conditions for Soarable Weather					
Thermal Techniques					
Ridge Techniques					
Wave Techniques					
Cloud Hazard					
Anticipation					
Dual Cross-Country Flight					
Simulated Out-Landing					
10 Oral Questions Answered					
Convert to Single Seat Glider					
Cleared Off Check Flights					
Solo Soaring Flight 90 Minutes					