UNIT 1.09 – GLIDER TOWING (GT) SYLLABUS

ELEMENT: 1. NORMAL PROCEDURE

Flying Standard	Pilot Certificate	Inst Rating
1.1 Ground Preparation		
• Know the GFA Operational Regulations in relation to glider aero- towing.	2	1
• Prepare towing aeroplane (pre-flight)	2	1
• Check release mechanisms, mirrors, ropes, release rings and weak links	2	1
• Aware of the glider's aero-towed maximum and minimum speeds	2	1
• Glider towing fuel consumption accounted for	2	1
• Minimum rope length requirements	2	1
• Weak link requirements	2	1
• Ground signals	2	1
• Assess take-off performance for aerodrome length requirements	2	1
1.2 Take-off		
• Interpret ground signals	2	1
• Monitor take-off performance and instigate aborted take-off procedure if not optimal	2	1
• Demonstrate ability to handle crosswind take-off	2	1
• Use mirrors to determine glider position	2	1
1.3 Climb		
• Maintain accurate speed and attitude for the climb regardless of low or high tow position	2	1
• Correct engine handling procedures followed	2	1
• Maintain lookout and minimise into sun towing for increased visibility	2	1
• Towing pattern selected close to out landing areas	2	1
• Avoidance of other traffic	2	1
• Recognise high-tow and low-tow and transition between the two	2	1
• Control tug attitude during 'boxing of the slipstream'	2	1
• Ensure tug attitude and heading are controlled during 'out of position training'	2	1
1.4 Release		
• Confirm glider release	2	1
• Ensure glider clear	2	1
1.5 Descent		
• Good lookout performed	2	1
• Engine management	2	1

1.6 Approach and Landing		
• Correct circuit entry	2	1
• Normal aeroplane checks	2	1
• Consideration of trailing rope and drop rope procedure	2	1
• Go-around procedure	2	1
1.7 Cruising on tow		
• Manage tug and glider inertia	2	1
• Select speed applicable to glider being towed	2	1
1.8 Descending on tow		
• Manage tug and glider inertia	2	1
• Obstacle avoidance and usable runway requirements for glider if landing on tow	2	1
• Maintain adequate lookout	2	1

ELEMENT: 2. ABNORMAL PROCEDURES

Flying Standard	Pilot Certificate	Inst Rating
2.1 Take-off run aborted		
• Glider release	2	1
• Monitor glider position	2	1
• Conduct avoidance turn to clear glider	2	1
2.2 Partial Power Failure		
• On ground, release glider, avoid glider by using partial power or avoidance turn	2	1
• In air, if not past point of no return, release glider and conduct landing on remaining runway	2	1
• If past the point of no return, release glider with regard given to glider landing area	2	1
• Carry out forced landing if required	2	1
2.3 Glider airbrakes open during climb		
• Glider release if required	2	1
• Release signal	2	1
2.4 Order to glider pilot, release glider		
• Give glider release signal	2	1
2.5 Glider unable to release		
• Recognise glider unable to release signal	2	1
2.6 Glider and Tug unable to release		
• Recognise glider and tug unable to release signal	2	1
• Conduct a landing in tow (Optional)	2	1

-End of Glider Towing Syllabus-