

## UNIT 1.10 – HANG GLIDER TOWING (HGT) SYLLABUS

### ELEMENT: 1. NORMAL PROCEDURE

Flying Standard	Pilot Certificate	Inst Rating
<b>1.1 Ground Preparation</b>		
<ul style="list-style-type: none"> <li>• Know the HGFA Operational Regulations in relation to hang glider aero- towing 2 1</li> <li>• Prepare towing aeroplane (pre-flight) 2 1</li> <li>• Check release mechanisms, mirrors, ropes, release rings and weak links 2 1</li> <li>• Aware of the hang glider aero-towed maximum and minimum speeds 2 1</li> <li>• Hang glider towing fuel consumption accounted for 2 1</li> <li>• Minimum rope length requirements 2 1</li> <li>• Weak link requirements 2 1</li> <li>• Ground signals 2 1</li> <li>• Assess take-off performance for aerodrome length requirements 2 1</li> </ul>		
<b>1.2 Take-off</b>		
<ul style="list-style-type: none"> <li>• Interpret ground signals 2 1</li> <li>• Monitor take-off performance and instigate aborted take-off procedure if not optimal 2 1</li> <li>• Demonstrate ability to handle crosswind take-off 2 1</li> <li>• Use mirrors to determine glider position 2 1</li> </ul>		
<b>1.3 Climb</b>		
<ul style="list-style-type: none"> <li>• Maintain accurate tug position with respect to the hang glider - high, low, left or right position 2 1</li> <li>• Correct engine handling procedures followed 2 1</li> <li>• Maintain lookout and minimise into sun towing for increased visibility 2 1</li> <li>• Towing pattern selected close to out landing areas 2 1</li> <li>• Avoidance of other traffic 2 1</li> </ul>		
<b>1.4 Release</b>		
<ul style="list-style-type: none"> <li>• Confirm hang glider release 2 1</li> <li>• Ensure hang glider clear 2 1</li> </ul>		
<b>1.5 Descent</b>		
<ul style="list-style-type: none"> <li>• Good lookout performed 2 1</li> <li>• Engine management 2 1</li> </ul>		
<b>1.6 Approach and Landing</b>		
<ul style="list-style-type: none"> <li>• Correct circuit entry 2 1</li> <li>• Normal aeroplane checks 2 1</li> <li>• Consideration of trailing rope and drop rope procedure 2 1</li> <li>• Go-around procedure 2 1</li> </ul>		

**ELEMENT: 2. ABNORMAL PROCEDURES**

<b>Flying Standard</b>	<b>Pilot Certificate</b>	<b>Inst Rating</b>
<b>2.1 Take-off run aborted</b>		
<ul style="list-style-type: none"> <li>• Hang glider release</li> <li>• Monitor hang glider position</li> <li>• Conduct avoidance turn to clear hang glider</li> </ul>	2 2 2	1 1 1
<b>2.2 Partial Power Failure</b>		
<ul style="list-style-type: none"> <li>• On ground, release hang glider, avoid hang glider by using partial power or avoidance turn</li> <li>• In air, if not past point of no return, release hang glider and conduct landing on remaining runway</li> <li>• If past the point of no return, release hang glider with regard given to hang glider landing area</li> <li>• Carry out forced landing if required</li> </ul>	2 2 2 2	1 1 1 1
<b>2.3 Order to hang glider pilot, release hang glider</b>		
<ul style="list-style-type: none"> <li>• Give hang glider release signal</li> </ul>	2	1
<b>2.4 Hang glider unable to release</b>		
<ul style="list-style-type: none"> <li>• Recognise hang glider unable to release signal</li> </ul>	2	1
<b>2.5 Hang glider and Tug unable to release</b>		
<ul style="list-style-type: none"> <li>• Recognise hang glider and tug unable to release signal</li> <li>• Knowledge of forced weak link breakage technique</li> <li>• Knowledge of limitations of landing in tow</li> </ul>	2 2 2	1 1 1

**-End of Hang Glider Towing Syllabus-**