

MINNESOTA SOARING CLUB - BASIC FLIGHT TRAINING PROGRAM July 2011

Section 1

- 1 Glider familiarization
- 2 Preflight, ground handling, airport familiarization
- 3 Flight instruments
- 4 Glider assembly and disassembly

Section 2 **Basics of free flight**

- 1 Primary flight controls
- 2 Other flight controls
- 3 Scanning for traffic
- 4 Shallow banked turns and short straight glides
- 5 Medium banked turns
- 6 Area familiarization
- 7 Warning signals and Straight ahead stalls
- 8 Steep banked turns
- 9 Slow flight
- 10 Stalls from coordinated turns
- 11 Stalls with airbrakes
- 12 Crabbing during cruising flight
- 13 Flying in lift
- 14 Selecting cruise airspeed

Section 3 **Take-off and aerotow**

- 1 Intro to aerotow
- 2 Flying the aerotow
- 3 Shifting through the wake
- 4 Boxing the wake
- 5 Introduce to premature release
- 6 Slack rope on aerotow
- 7 Premature release and abbreviated pattern
- 8 Low release and downwind landing
- 9 Crosswind landings
- 10 Takeoff without a wing-runner

Section 4 **Pattern and landing**

- 1 The landing checklist
- 2 Introduction to the landing pattern
- 3 Normal pattern and landing
- 4 Introduction to the forward slip
- 5 Forward slip into the pattern
- 6 Introduction to the side slip
- 7 Crosswind pattern and landings

- 8 Accuracy landing
- 9 Landing over an obstacle

Section 5 Advanced free-flight maneuvers

- Precision turns
- Spiral dive entry and recovery
- Incipient spin entry and recovery
- Zig-Zag turns
- Unusual attitude recovery

REQUIRED EMERGENCY PROCEDURES NEEDED PRIOR TO SOLO

- 1A Rope Break - FOO prematurely terminated T/O after roll is started
- 1B Rope Break - Low rope break; 250?
- 1C Rope Break – Tow-plane wave-off
- 1D Rope Break - Premature termination at ~10? AGL (This is not a rope break)
- 2A Slack Lines - Slack line recovery with yaw
- 2B Slack Lines - Slack line recovery with dive brakes
- 3A Spins - Incipient spin
- 3B Spins - Full spin to the left
- 3C Spins - Full spin to the right
- 4A Landings - High entry into final using dive brakes and forward-slip
- 4B Crosswind landing with sideslip
- 4C Right entry into pattern
- 4D Low pattern entry, land on crosswind runway
- 4E Low pattern entry, abbreviated pattern
- 5A Flying thermals with others
- 5B Off field landing rehearsal
- 5C Solo practice area identification and usage