

# GHOST Rules 1.0

(Effective 07/04/06)

**1. Participants** -- A participant, before undertaking any GHOST flight, must:

- A. Be a member in good standing of the Wisconsin Soaring Society;
- B. Hold at least a Private Pilot License with Glider rating; and
- C. Possess a logbook entry evidencing a current BFR.

A student pilot issued an appropriate cross-country endorsement and possessing a signed logbook entry evidencing completion of a satisfactory briefing on the GHOST course, task and rules by a WSS-approved CFGI satisfies Subparagraph B.

**2. Sportsmanship** -- The GHOST program operates entirely on the honor system. Participants are individually responsible for complying with each of these Rules and all applicable FARs, for fairly rounding all turnpoints, and for accurately recording and reporting flight times and flight details.

**3. Safety** -- Safety is paramount. No GHOST rule may be read or applied in such a way as to conflict with applicable FARs, WSS rules or sound safety practices. Unsafe actions are disqualifying.

**4. Distances** -- Distances designated in these rules are expressed in nautical miles and are approximated from point-to-point map measurements. Only such designated distances shall be used to compute task results.

**5. The Course** -- The course is defined by a fixed Start/Finish Line, and six mandatory Turnpoints defining a rough circle with a designated Orbit circumference of 33 nm. The Course has **eight** legs: (1) the Start Leg from the Start/Finish Line at the airport (HXF) to one of the Mandatory Turnpoints (designated the Initial/Final Turnpoint); (2 – 6) the legs lying between the remaining five Mandatory Turnpoints (which must be rounded in order); (7) the leg lying between the last Mandatory Turnpoint and the Initial/Final Turnpoint (which must be rounded once again to complete the Orbit); and (8) the Finish Leg from the re-rounded Initial/Final Turnpoint back to the Start/Finish Line.

**A. The Start/Finish Line** -- is drawn directly through the runway intersection at HXF and perpendicular to the course line for the Start/Finish Leg selected for the task

**B. The Mandatory Turnpoints** -- The six Mandatory Turnpoints are:

- i. Druid Lake:** located approximately 4.5 nm south of the airport – the Turnpoint is the entire lake; round the south shore without crossing any shoreline on approach or exit to the Turnpoint

**ii. Neosho:** located approximately 6 nm SW of the airport, the Turnpoint is the dam at the very west end of the pond (at Highway 67) – round to the west of the Turnpoint

**iii. Woodland:** located approximately 5.7 nm west of the airport, the Turnpoint is the intersection of the north/south and east/west highways at Woodland (**CAUTION:** look at a good road map before flying – neither of the intersecting roads is Highway 67; the Turnpoint is west of the railroad tracks and just NE of the big bend in Highway 67) – round to the west of the intersection

**iv. The Radome:** located approximately 7 nm NW of the airport, the Turnpoint is the big white “golf ball” immediately NE of the Highway 33/AV intersection (designated “radome” on your sectional chart) – round to the north/northwest of the radome

**v. The Highway 41/33 Intersection:** the Turnpoint is immediately east of Allenton, approximately 5 nm NE of the airport – round to the east/northeast of the intersection

**vi. The Racetrack (Slinger):** the Turnpoint is immediately west of Highway 41 and about 0.75 mile NE of Slinger (the track has a prominent “X” in the infield for a “figure-8” circuit) – round to the east of the track

**C. The Start/Finish Legs** -- The length of the Start/Finish Leg varies slightly depending on which Initial/Final Turnpoint is selected. The following designated distances will be used to compute Total Course Length (2 X Start/Finish Leg + 33 nm orbit circumference):

i. **HXF/Druid Lake** (2 X 4.6) = 9.2 nm /Total course length = **42.2 nm**

ii. **HXF/Neosho** (2 X 6.0) = 12.0 nm /Total course length = **45.0 nm**

iii. **HXF/Woodland** (2 X 5.7) = 11.4 nm /Total course length = **44.4 nm**

iv. **HXF/Radome** (2 X 7.0) = 14.0 nm /Total course length = **47.0 nm**

v. **HXF/41/33** (2 X 5.1) = 10.2 nm /Total course length = **43.2 nm**

vi. **HXF/Racetrack** (2 X 5.0) = 10.0 nm /Total course length = **43.0 nm**

**6. The Task** -- The GHOST task is comprised of one timed circuit of the entire Course (Orbit plus Start/Finish Legs). The participant chooses the Initial/Final Turnpoint and whether to fly the remaining Turnpoints in a clockwise or counter-clockwise direction.

**A. The Start** -- The clock starts when crossing the Start/Finish Line outbound on the Starting Leg. No start may be made above 5000 AGL (6070 feet MSL) or below 2000 feet AGL (3070 feet MSL).

**B. Turnpoints** -- Are to be fairly rounded to the right for a clockwise Orbit and to the left for a counter-clockwise Orbit, and at a safe altitude. Except as specified in the foregoing turnpoint descriptions, there is no minimum rounding radius. Nonetheless, participants are expected to refrain from overflying or otherwise crowding turnpoints while rounding. The Initial/Final Turnpoint must be re-rounded to complete the Orbit before beginning the Finish Leg.

**C. The Finish** -- The clock stops when crossing the Start/Finish Line inbound on the Finish Leg. The Start/Finish Line must be crossed at or above 1,500 feet AGL (2570 feet MSL).

**7. Reporting** -- A participant shall report all required information and flight data on the approved GHOST entry form, and submit that form to the current task administrator within ten (10) days of the flight.

**8. Handicapping** – The task administrator (“scorer”) will multiply the task speed (computed from the designated Total Course Length for the course flown and the reported elapsed time) by the current handicap for the glider flown as specified by the SSA for Sports Class competition. The resultant adjusted speed constitutes the participant’s result for that flight.

**Good luck – have fun – be safe!!**