

## **RULES FOR SSA STATE SOARING RECORDS**

Except as provided by these rules, State Records shall comply with the FAI Sporting Code, Section 3 (“SC3”) and to the additional requirements of Section 6.0 below.

### **1.0 Record classes :**

#### **GENERAL: RECORD CLASSES AVAILABLE TO ALL PILOTS**

- a. *Open Class Singleplace*.....Span unlimited, solo pilot.
- b. *Open Class Multiplace*.....Span unlimited, pilot & passenger aboard
- c. *15-Meter Class General*.....15-Meter Class, solo pilot..
- d. *Standard Class General*.....Standard Class, solo pilot
- e. *Sports Class*.....Span unlimited, available to single and multiplace aircraft, without regard to whether a multiplace aircraft carries one or more people. In addition:
  - i. Dumpable ballast is prohibited except loaded in the tail of the aircraft for weight and balance purposes.
  - ii. Sports Class performance is determined by the current Carl D. Herold (“CDH”) handicapping system;
  - iii. Altitude records are not available in Sports Class
- f. *Ultralight Glider General*.....Ultralight Glider, solo pilot.
- g. *World Class General* .....World Class Glider, solo pilot
- h. *Motorglider Singleplace*.....Motorglider, solo pilot, used no MoP during performance.
- i. *Motorglider Multiplace*.....Motorglider, pilot & passenger, used no MoP during performance.

#### **RESTRICTED: RECORD CLASSES AVAILABLE TO CERTAIN PILOTS**

- j. *Junior Class Singleplace*.....Solo pilot, under the age of 21
- k. *Junior Class Multiplace*.....Pilot & passenger aboard, both under age of 21
- l. *Open Singleplace Feminine*....Unlimited span, solo female pilot.
- m. *Open Multiplace Feminine*....Unlimited span, pilot & passenger are female.
- n. *15-Meter Class Feminine*.....15-Meter Class, solo female pilot.
- o. *Ultralight Glider Feminine*....Ultralight Glider, solo female pilot.
- p. *World Class Feminine*.....World Class Glider, solo female pilot.
- q. *Motorglider Singleplace Feminine*....Motorglider, solo female pilot, no MoP used in performance.
- r. *Motorglider Multiplace Feminine*.... Motorglider, female pilot & passenger, no MoP used in performance.

**2.0 Record Types :** State Record Types parallel those listed in SC3 Chapter 3 as World Records. In all cases, a single flight can involve multiple classes and record types:

DISTANCE	SC3 REF	SPEED	SC3 REF
- Free (Straight) Distance	(3.1.4a)	- Triangle Speed: 100, 200*, 300	(3.1.4h)
- Free Out & Return Distance	(3.1.4b)	500, 750, 1000, 1250, 1500 & 2000 km	
- Free 3 Turnpoint Distance	(3.1.4c)		
- Straight Distance to a Goal	(3.1.4d)	- Out & Return Speed: 300**, 500	(3.1.4g)
- Out & Return distance	(3.1.4e)	750**, 1000, 1250**, 1500 & 2000 km	
- Triangle Distance	(3.1.4f)		
		*Available ONLY as a State Record	
		**Available as a National or State Record	
ALTITUDE			
- Absolute Altitude	(3.1.4.i)		
- Altitude Gain	(3.1.4.j)		

**3.0 Minimum Performance** : Absolute Altitude records must include an altitude *gain* of at least 1000 meters (3,281 feet.)

**4.0 Sports Class Handicapping** : Determine the CDH handicap from the current handicap list.

- a. **Handicapped Distance calculation:** Multiply the Official Distance (SC3 1.2.1) by the current CDH handicap. Annotate the record distance on the claim form as “HMI” (see 6.0b below)
- b. **Handicapped Speed calculation:** Verify that the Handicapped Distance is not less than the claimed record task length. Divide the Handicapped Distance by the Duration (SC3 1.2.6). Annotate the record speed on the claim form as “HMPH” (see 6.0b below).

**5.0 Application Procedures:** Notify the State Record Keeper by letter, fax or e-mail **within 10 days** of the flight. Applicable claim forms for State Records are SSA Form RS-2, and Form D (for Motorgliders). In cases where the claimant’s IGC approved GNSS Flight Recorder evaluation software produces a flight evaluation, please submit a printed copy of that report.

a. **State Soaring Record claim only:** Submit the claim forms and the original flight documentation to the State Record Keeper, **postmarked within 45 days** of the flight.

b. **FAI Badge or National or World Record plus a State Record claim:** Submit the applicable claim forms and original flight documentation to the SSA’s FAI Awards Secretary, **postmarked within 45 days** of the flight. The FAI Awards Secretary will coordinate the processing of the claim with the State Record Keeper. (Remember to include the State Record Claim (Form RS-2) in the documentation package, and to notify the State Record Keeper as required in 5.0 above).

**6.0 Additional Requirements:**

a. The Start Point (SC3 1.1.8) of the flight must be located in the State where the record is claimed. The pilot need not be a resident of that State but must be a voting member of SSA and a US citizen or resident alien.

b. Measures of altitude shall be in feet, of distance in statute miles and of speed in miles per hour.

c. Record claims flown in motorgliders must include SSA Form D in the documentation package. (See “Additional Rules for Motorgliders”).

d. Multi-place aircraft flown solo will only be considered in the appropriate single-place class.

e. Speed record claims qualify only for the record distance immediately less than the distance of the flight. (SC3 3.0.2).

f. No valid record claim can be made when an in-flight accident rendered the aircraft unairworthy, or resulted in pilot (or passenger) injury requiring hospitalization.

g. A **barograph** used to document a flight must have been calibrated within the **12 months** prior to the flight OR within **1 month** after the flight. When an approved IGC approved **GNSS Flight Recorder** is used, it must have been calibrated within the **24 months** prior to the flight or within **1 month** after the flight.

h. “Free Distance” record flights (SC3 3.1.4a,b,c) **do not** require the declaration of way points before takeoff (SC3 4.2). Way points may be selected in flight and must be photographed or documented with a GNSS Flight Recorder. A barograph or GNSS Flight Recorder is required for determination of height of release from tow and flight continuity.