

# US National & State Record Rules

Revised October 1, 2015

**1. Applicability:** Except as provided by these rules, US National and SSA State Records shall comply with the FAI Sporting Code General Section and Section 3 (“SC3”), as in effect on the date of flight.

**2. Record Categories:** World, US National and SSA State record Categories are “General” encompassing all pilots, and “Feminine,” where the pilot and flight crew, if any, is/are female. SSA State records provide a “Youth” category for pilots and flight crews whose 25th birthday occurs on or after January 1 in the calendar year during which the record flight is made.

### 3. Record Classes & Categories:

FAI RECORD CLASSES	US RECORD CLASSES	GENERAL CATEGORY	FEMININE CATEGORY	YOUTH CATEGORY (State Only)
(DO) Open Class	Open Class Singleplace	X	X	X
(DO) Open Class (No Equivalent)	Open Class Multiplace	X	X	X
(No Equivalent)	Motorglider Singleplace	X	X	X
(No Equivalent)	Motorglider Multiplace	X	X	X
(D15) 15 M Class (No Equivalent)	15 Meter Class	X	X	X
	Standard Class	X	X	X
(D13) 13.5 M Class	13.5 Meter Class	X	X	X
(DU) Ultralight Class	Ultralight Class	X	X	X
(No Equivalent)	Sports Class (State Records Only) (Handicapped)**	X	X	X

**\*\* Disposable ballast is prohibited except when necessary in the tail for weight & balance purposes. See Handicapping procedures at rule 6.3c in this document**

**4. Motorglider claims:** Motorglider pilots may claim records in Motorglider or other classes:

- Motorglider classes require an MoP recorder or the use of seals destroyed by MoP use;
- Other classes require removal of a critical MoP part or the use of mechanical lock(s) preventing MoP use during the soaring performance.

**5. US National & State Record Types:** Except as noted below, each record TYPE is available in any combination of Category and Class (\* indicates a TYPE NOT recognized for World Records)

ALTITUDE SC3 Reference; Type	DISTANCE SC3 3.1.5	OUT & RETURN SPEED SC3 3.1.6	TRIANGLE SPEED SC3 3.1.6
1.4.2; Absolute Altitude	Goal Distance	300 km*	100 km
1.4.2; Altitude Gain	3 TP Distance	500 km	200 km (State Only)
	Out-and- Return Distance	750 km*	300 km
	Triangle Distance	1000 km	500 km
	Free Distance	1250 km*	750 km
	Free 3 TP Distance	1500 km	1000 km*
	Free Out-and-Return Distance	2000 km	1250 km
	Free Triangle Distance	and multiples of 500 km	1500 km*
			1750 km
			and multiples of 500 km

Available only in these Categories and Classes:  
 General, Open Singleplace  
 General, Open Multiplace  
 Feminine, Open Singleplace  
 Feminine, Open Multiplace  
 Youth, Open Singleplace\*  
 Youth, Open Multiplace\*

# US National & State Record Rules

Revised October 1, 2015

## **6. General Requirements & Procedures:**

### **6.1. For both National and State Records:**

- a. The calibration requirements of SC 3.4 must be met
- b. Course leg distances shall be calculated per [http://www.fai.org/distance\\_calculation/](http://www.fai.org/distance_calculation/)
- c. Any/all conversions from metric to English units shall be based on 3.281 feet per meter
- d. Multi-place aircraft flown solo will only be considered in the appropriate single-place class.
- e. All Motorglider claims require a completed FAI/SSA Claim Form D
- 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. Multiple speed records may be claimed only for the record Type(s) immediately less than the official course distance flown; multiple distance records may be claimed in each applicable Category and Class for a single flight.

### **6.2. For National Records:**

- a. The pilot in command must hold an NAA-issued Sporting License
- b. Documentation must be provided by a Flight Recorder IGC-approved at the "All Flights", "All Badges" or "Up to Diamonds" level (See list at <http://www.fai.org/igc-documents>)

### **6.3. For State Records:**

- a. Documentation may be provided by any means acceptable for FAI Silver badge flights.
- b. The Start Point location, SC 1.2.9 for all State records, determines the State in which 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.
- c. For Sports Class Records: at [ssa.org](http://ssa.org), use "Sailplane Racing" and "Other Resources" links to find the current listing for the aircraft flown and note the figure in the HANDICAP FACTOR column. Then:
  - i. Calculate Handicapped Distance: Multiply Official Distance (SC3 1.3.7) by the current handicap. On the State record claim form, annotate the result as "HMI"
  - ii. Calculate Handicapped Speed: Verify that the Handicapped Distance is not less than the required record task length. Divide the Handicapped Distance by the Duration (SC3 1.3.3).
  - iii. On the State record claim form, annotate the result as "HMPH"
- d. There is no minimum performance requirement for any State record.

## **7. Application Procedures:**

### **7.1. Post-Flight Notification by the pilot is required for ALL records;**

- a. National Records; notify the SSA FAI Awards Coordinator by e-mail within 72 hours
- b. State Records: notify the State Record Keeper within 10 days; phone notification may be accepted at the individual Record Keeper's discretion

### **7.2. Application materials must be postmarked within 45 days after the flight, or within 15 days of any required post-flight calibration.**

- a. For US National Record Claims and State Records concurrent with any FAI Badge: send original flight documentation, completed FAI Record form(s) if applicable, State Record Application and an SSA Awards Application Master Form to SSA; PO Box 2100; Hobbs, NM 88241; ATTN: RECORD CLAIM
- b. For State Record claims without a National Record or FAI Badge claim: send original flight documentation, a completed SSA Awards Application Master Form, an SSA State Record Application and, if applicable, SSA Form D for motorgliders to the State Record Keeper. At the discretion of the individual State Record Keeper, the flight documentation and files may be submitted electronically, via scanned documents with e-mail or fax.