

# US National & State Record Rules

Revised December 15, 2016

**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 “Junior” 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	JUNIOR CATEGORY (State Only)
(DO) Open Class	Open Class Singleplace	X	X	X
(DO) Open Class	Open Class Multiplace	X	X	X
(D15) 15 M Class (No Equivalent)	15 Meter Class Standard Class	X X	X 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 any applicable class.

- a. Motorgliders requires an MoP recorder or the use of seals destroyed by MoP use.
- b. If a critical component is removed that does not allow the motor to be used, any flight documentation methods under 6.2 or 6.3, as applicable, may be used.

**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 1.4.2; Altitude Gain  Available only in these Categories and Classes: General, Open Singleplace General, Open Multiplace Feminine, Open Singleplace Feminine, Open Multiplace Junior, Open Singleplace* Junior, Open Multiplace*	Goal Distance 3 TP Distance Out-and- Return Distance Triangle Distance Free Distance Free 3 TP Distance Free Out-and-Return Distance Free Triangle Distance	300 km* 500 km 750 km* 1000 km 1250 km* 1500 km 2000 km and multiples of 500 km	100 km 200 km (State Only) 300 km 500 km 750 km 1000 km* 1250 km 1500 km* 1750 km and multiples of 500 km

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## **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. Records may only be claimed in one state per launch.
- 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.
- e. For Altitude and Altitude Gain records, calibration may be either before **or** after the flight.

## **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/Governor AND the SSA Badge and Records Administrator ( [badgeandrecords@ssa.org](mailto:badgeandrecords@ssa.org)) 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. If the State Record Keeper/Governor is not available or have not responded, send documentation to SSA. At the discretion of the individual State Record Keeper, the flight documentation and files may be submitted electronically, via scanned PDF documents with e-mail.