

RULES FOR US NATIONAL AND SSA STATE SOARING RECORDS
Effective through 10/1/2009 - recent changes in italics

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	RECORD CATEGORIES		
		General	Feminine	Junior State Only
(DO) Open Class	Open Class Singleplace	X	X	X
	Open Class Multiplace	X	X	X
	Motorglider Singleplace	X	X	
	Motorglider Multiplace	X	X	
(D15) 15 Meter Class	15-Meter Class	X	X	
	Standard Class	X	--	
(DW) World Class Glider	World Class Glider	X	X	
(DU) Ultralight Glider	Ultralight Glider	X	X	
(No equivalent)	<i>State Records Only</i> Sports Class <i>(Handicapped)**</i>	X	---	

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

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

- a. Motorglider classes require an MoP recorder per SC3 4.8.2(a) or seals per SC3 4.8.1(c);
- b. Other classes require removal of a critical part per SC3 4.8.2(b)ii or the use of mechanical lock(s) per SC3 4.8.2(b)iii.

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 Reference; Type	OUT & RETURN SPEED (1.4.6[a])	TRIANGLE SPEED (1.4.6[b])
1.4.2(a); Absolute Altitude 1.4.2(b); Altitude Gain Available only in these Categories & Classes: Open Class General Open Class Feminine	1.4.3(a); Free Distance	300 km *	100 km
	1.4.3(b); Free Out & Return	500 km	200 km (State ONLY)
	1.4.3(c); Free Distance Using Up to 3 TP	750 km*	300 km
	1.4.3(d); Free Triangle	1000 km	500 km
	1.4.4(a); Straight Distance to a Goal	1250 km*	750 km
	1.4.4(b); Distance Using Up to 3 TPs	1500 km	1000 km
	1.4.6(a); Out & Return Distance	...	1250 km
	1.4.6(b); Triangle Distance	... And higher intervals at multiples of 500 km	1500 km
			... And higher intervals at 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 SC3 4.4.7 must be met
- b. Course leg distances shall be calculated per http://www.fai.org/distance_calculation/
- c. Any/all conversions from metric to English units shall be based on 3.2808399 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.

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/gliding/documents.asp>)*
- c. *Multiple distance and speed record Types in each applicable Category and Class may be claimed for a single flight.*

6.3. For State Records:

- a. Documentation may be provided by any means acceptable for FAI Silver badge flights.
- b. 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 as in 6.2(b).
- c. The Start Point location 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.
- d. *For Sports Class Records: at ssa.org, use "Sailplane Racing" and "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 1.2.13) 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 1.2.5). On the State record claim form, annotate the result as "HMPH"

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