

Required Aircraft Documents: ARROW

Required documents that must be carried on board any aircraft are remembered using the acronym ARROW

- Airworthiness certificate [FAR 91.203](#)
- Registration certificate [FAR 91.203](#)
- Radio station license (international flights only) <https://www.fcc.gov/aircraft-stations>
- Operating Limitations
- Weight and Balance information

Airworthiness Certificate

The AC is usually good for the life of the aircraft, but is reissued if the N-number is changed.

Below is a “Standard Airworthiness Certificate.”

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION—FEDERAL AVIATION ADMINISTRATION			
STANDARD AIRWORTHINESS CERTIFICATE			
1 NATIONALITY AND REGISTRATION MARKS N7545	2 MANUFACTURER AND MODEL SCHWEIZER SGS-2-33A	3 AIRCRAFT SERIAL NUMBER 1759	4 CATEGORY NORMAL GLIDER
5 AUTHORITY AND BASIS FOR ISSUANCE This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and has been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein. Exceptions NONE			
6 TERMS AND CONDITIONS Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 21, 43, and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.			
DATE OF ISSUANCE R: 4/6/1970	FAA REPRESENTATIVE C. SCHMID, AST	DESIGNATION NUMBER WP09	
Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.			
FAA Form 8100-2 (8-82)		* U.S. GPO: 1989-662-877	

Many privately owned, imported gliders are “experimental” and their airworthiness certificate looks different. While experimental category aircraft may not be used for hire, sometimes less expensive equipment and maintenance procedures may be used. See FAR § 91.319

UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE			
A	CATEGORY/DESIGNATION		EXPERIMENTAL
	PURPOSE		EXHIBITION & AIR RACING
B	MANUFACTURER	NAME	N/A
		ADDRESS	N/A
C	FLIGHT	FROM	N/A
		TO	N/A
D	N- 292JS	SERIAL NO.	29031
	BUILDER SCHLEICHER	MODEL	ASW27-18
	DATE OF ISSUANCE 04/01/2014	EXPIRY	UNLIMITED
	OPERATING LIMITATIONS DATED 04/01/2014	ARE PART OF THIS CERTIFICATE	
E	SIGNATURE OF FAA REPRESENTATIVE <i>Frank L. Motter</i>		DESIGNATION OR OFFICE NO.
	FRANK L. MOTTER		WP-FSDO-01

Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE TITLE 14, CODE OF FEDERAL REGULATIONS (CFR).

FAA Form 8130-7 (04/2011) Previous Edition 07/04 May be Used until Depleted SEE REVERSE SIDE NSN: 0052-00-693-4000

Registration Certificate

The registration, similar to an automobile registration, ties the owner to the aircraft with the FAA. As of January 23, 2023, registration certificates must be renewed every seven years. (Prior to that date they expired three years)

REGISTRATION NOT TRANSFERABLE		
UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION		This certificate must be in the aircraft when operated.
NATIONALITY AND REGISTRATION MARKS N 7545	AIRCRAFT SERIAL NO. 175	
MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT SCHWEIZER SCS 2-33A		
ICAO Aircraft Address Code: 52425754		
ISSUED TO	SKY SAILING INC 31930 HIGHWAY 79 WARNER SPRINGS CA 92086-9625	This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private persons.
	Corporation	
It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, and regulations issued thereunder.		
DATE OF ISSUE July 22, 2004 EXPIRATION DATE October 31, 2027	<i>Billy Nolen</i> ACTING ADMINISTRATOR	U.S. Department of Transportation Federal Aviation Administration

AC Form 8050-3 (10/2019) Supersedes previous editions

Radio Station License

As of October 1996, aircraft operating within the USA, do not need a radio station license to operate a two-way VHF radio, radar, or emergency locator transmitter (ELT) aboard aircraft operating domestically. However, if landing in a foreign country or communicating via radio with foreign stations, a license is required. A fleet license is often granted when multiple aircraft are operated by the same owner.

Operating Limitations

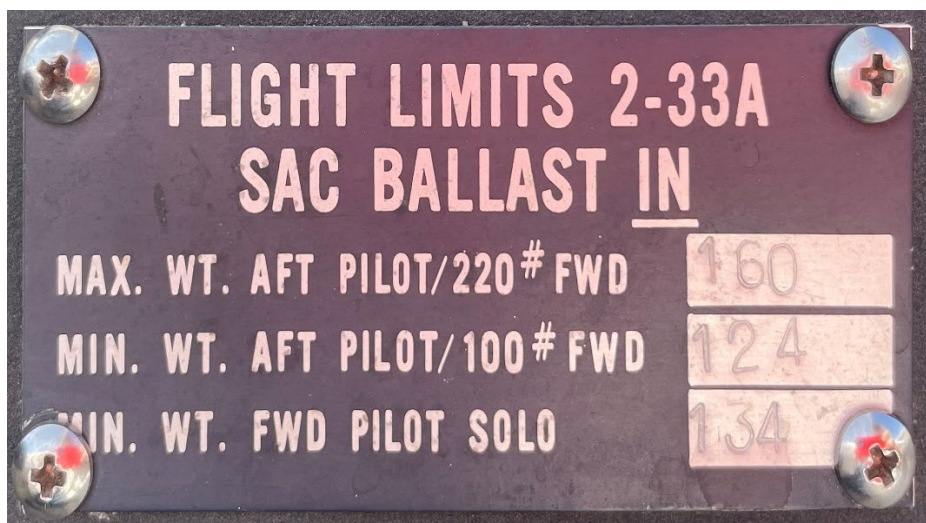
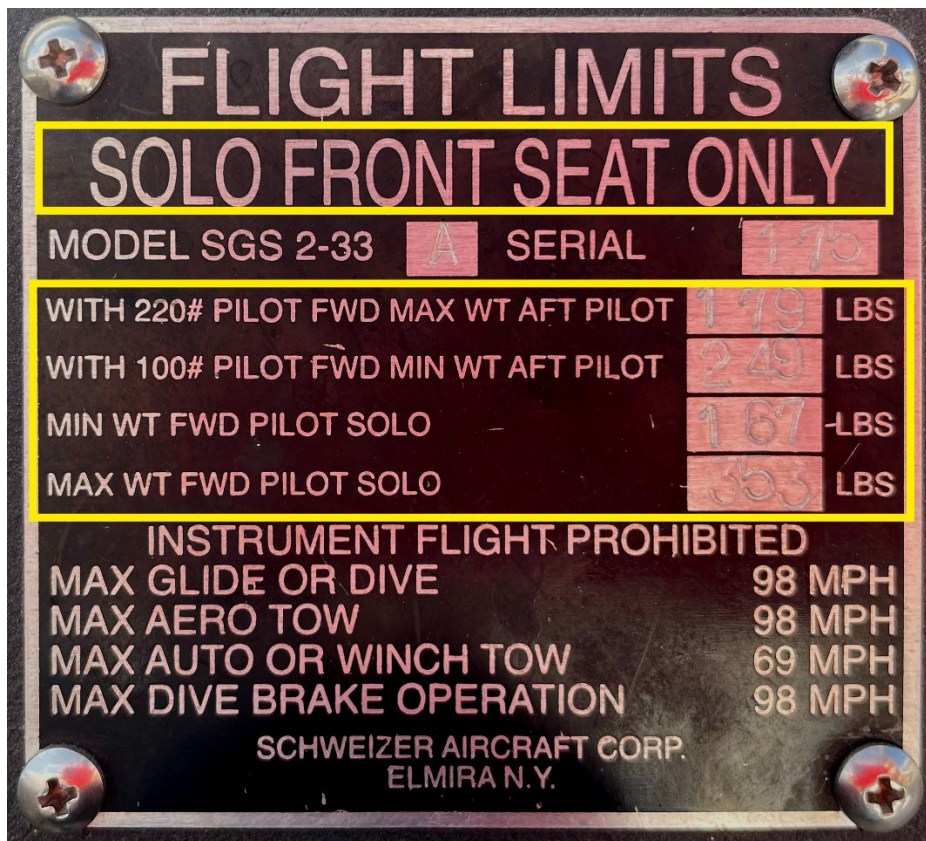
Operating limitations may be expressed in a readily available Pilots Operating Handbook (POH) and or placards and markings (such as airspeed indicator markings). The rules are more specific for airplanes and rotorcraft than gliders. Here, airspeed limitations for a 2-33A are provided on a placard on the instrument panel.



Weight and Balance Information

Weight and balance information is required on placards as prescribed in the aircraft's manual.

Here are sample placards from a 2-33 showing allowable occupant weights with and without a fixed ballast weight. This includes the limitation that solo flight may only be done from the front seat.



("SAC" refers to Schweizer Aircraft Corporation)