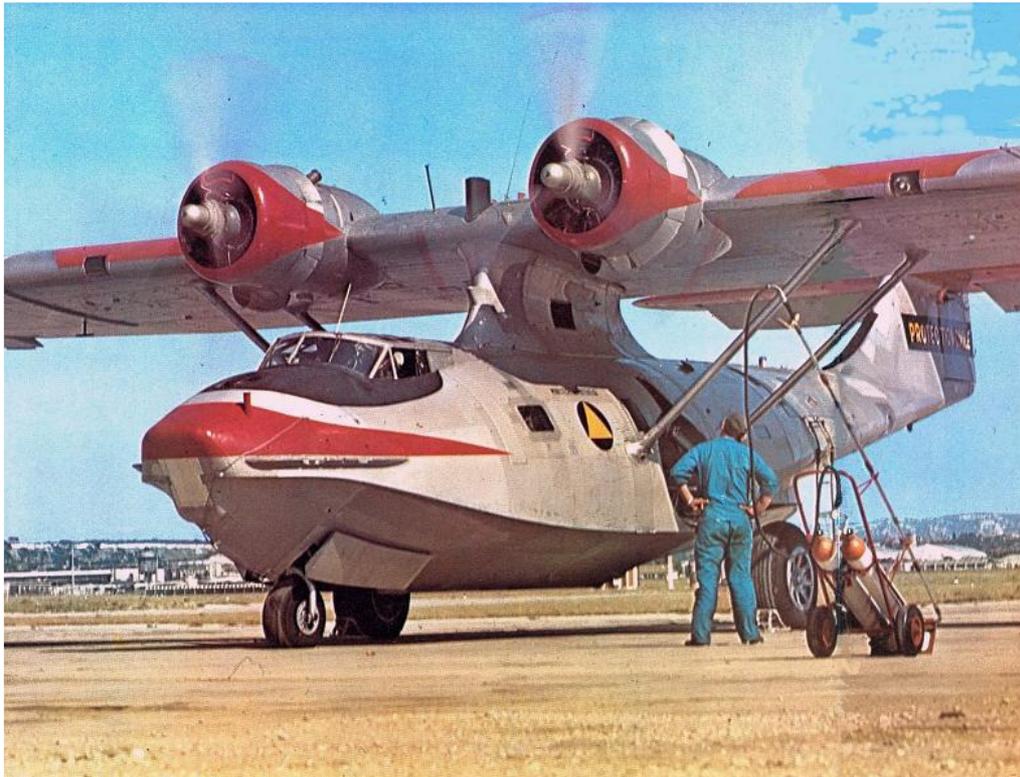


Bob's Card Models

www.bobscardmodels.altervista.org and www.zealot.com [Resources]



“Catalina” PBY-6A (1:72)

Livery: French Protection Civile (fore-runner of the Sécurité Civile)

The Consolidated PBY Catalina was an American flying boat, and later an amphibious aircraft of the 1930s and 1940s produced by Consolidated Aircraft. It was one of the most widely used seaplanes of World War II. Catalinas served with every branch of the United States Armed Forces and in the air forces and navies of many other nations.

The livery used is that of France's Sécurité Civile, based in Marionane near Marseille.. From 1963 until 1970 the **Protection Civile** (which became the **Sécurité Civile** in 1976) used 9 PBY Catalina as water bombers. The model here is that of F-ZBAW, 'Pelica Jaune which entered into service in 1964, and demobbed in 1975.

The structure is based on the 2 excellent PBY models of Marekk Pacynski (www.ecardmodels.com) and Kancho Iliev (<http://kanho.mucho.org>).

General characteristics

Crew: Up to 10
Length: 19.46m
Wingspan: 31.70m
Height: 6.15m
Wing area: 130 m²

Empty weight: 9 485kg
 Max take-off weight: 16 066kg
 Power plant: 2× Pratt & Whitney R-1830-92 Twin Wasp Radial Engines (1 200hp each)

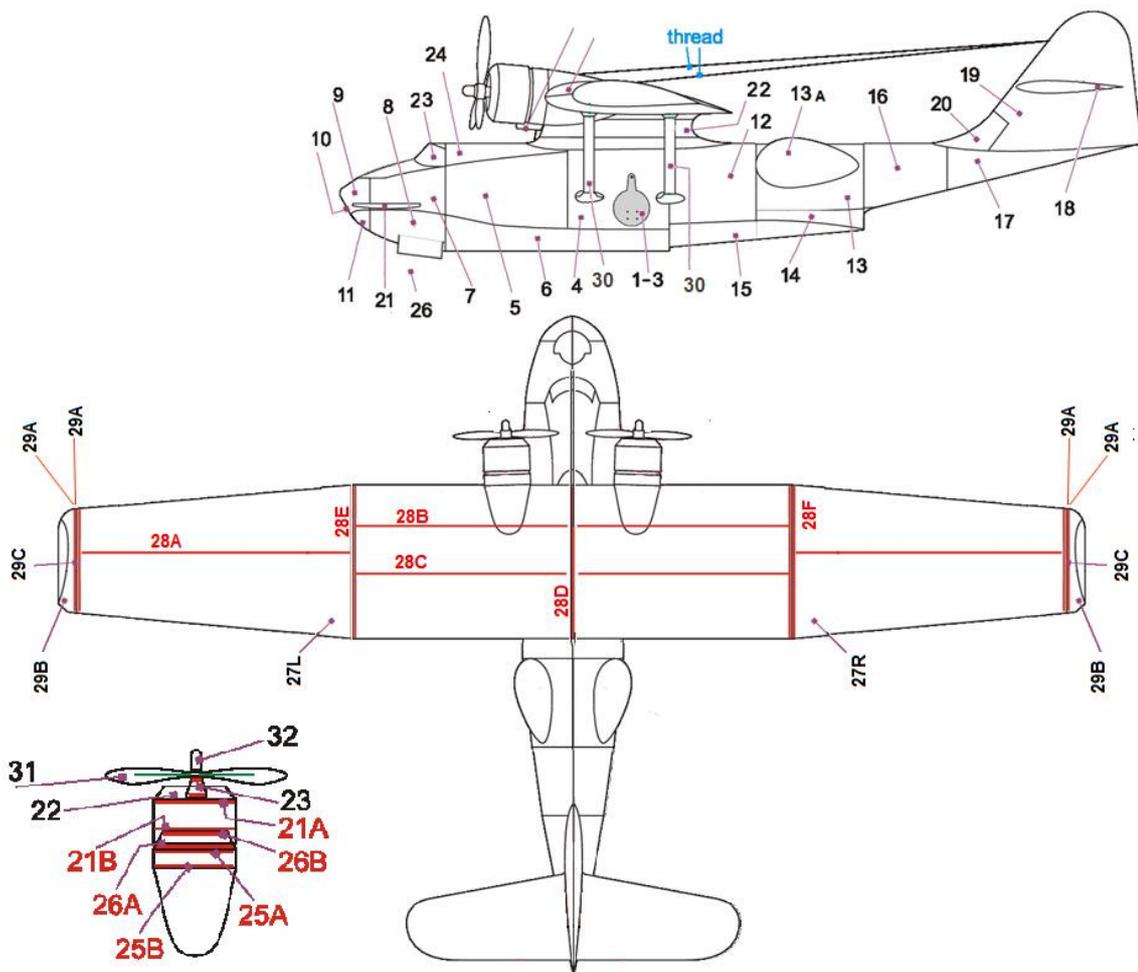
Performance

Maximum speed: 196 mph (314 km/h) at sea level
 Cruise speed: 125 mph (201 km/h)
 Service ceiling 15 800 ft (4 000 m)

Building Instructions

Print all sheets on 160g card, except Sheet 8 which is printed on normal paper (90g).

Fuselage Airframe



Fuselage Airframe

1. Assemble Fuselage Airframe with parts A1,A2,B1,B2,A3,A4,A5,A6,B3,B4. Join the 2 parts thus formed, together, with Undercarriage Assembly in-between (parts 1,2,3)

2. Construct hull by joining part 6 to part 8, then glue on part 5, 7, 9, 10, in that order.
3. Glue a at least 10g weight (for example pellets) into the 2nd forward-most compartment of the Fuselage airframe.
4. Insert the airframe into the assembly parts 5-7-9-10, so that the rear of part 5 is flush with bulwark A6.
5. Continue with the assembly with the remaining parts, in order of ascending part numbers.

Fuselage

6. Insert parts 13A into part 13, and glue in place before closing/gluing part 13. A8 is glued flush at the rear of 13, B5 flush at the front of 16. A8 and B5 are tothen glued together.
7. Part 8 – Front Wheel compartment: open the compartment by cutting along the central line, and bending back the 2 flaps. Inside, cut out the central part of the bulkhead to allow positioning the front wheel/axle.
8. Assemble the connector Wing-Fuselage 22 and glue in place.
9. Add cabin : 23, 24, 25
10. Assemble the front wheel (26) and glue in place.

Main Wing

11. Assemble Parts 27-29, glue the 2 halves together, then glue in place on the fuselage.
12. Cover the join of the 2 wing halves with part 32E.
13. Fold, and glue struts 30 in place.

Motors

14. Assemble the 2 motors using parts 31A-K

Floats

15. Assemble the 2 floats with parts 32A-D. Order of assembly: Fold/glue the 2 float halves, fold 32A in the middle, cover/glue 32A with 32B, glue the tabs of 32C in place in the slits, close/glue 32A, glue in position on tip of wing.,





