
PART 5 - NATIONAL ANNEX

ANNEX GC – France

Super Etendard Modernisé (SEM)

<u>Subject</u>	<u>Paragraph</u>
Super Etendard Modernisé (SEM)	1GC
AAR equipment	2GC
Refuelling Heights and Speeds	2GC a
Maximum Transferable Fuel	2GC b
Fuel Transfer Rate	2GC c
Regulated Fuel Pressure	2GC d
Fuel Type Available for AAR	2GC e
Receiver Type Certified	2GC f
Lighting	2GC g
Super Etendard Exterior Lightning	2GC g (1)
AAR Equipment Signal Lights	2GC g (2)
Correct Refuelling Position	2GC g (3)
Mark Facilities	2GC h
Dimensions	2GC i
RV Aids	2GC j
List of Appendices	3GC

1GC Super Etendard Modernisé (SEM): The FN operates Modernized Super Etendard aircraft fitted with an externally carried Intertechnique AAR Pod.

2GC. AAR Equipment. The SEM aircraft have two types of single centreline refuelling station, the Intertechnique 234000 or Douglas 827B1 pod, both equipped with a MA2 coupling. See [Appendix 3](#).

a. Refuelling Heights and Speeds. The AAR height band is sea level to 25,000 ft but for training purposes fuel transfer is not permitted below 5000 ft. Speed range is 250 - 280 KIAS (optimum 270 KIAS). Maximum speed for hose trail is 280 KIAS.

b. Maximum Transferable Fuel. Transferable fuel depends on mission duration. Maximum transferable fuel for the SEM is 1800 kg (5290 lbs) at 100 nm from a carrier or base.

c. Fuel Transfer Rate. The tanker can transfer fuel at a constant rate of 300-400 kg/min (660 - 800 lb/min).

d. Regulated Fuel Pressure. Fuel pressure at the drogue is regulated between 3.2 bars (46 psi) and 3.5 bars (51 psi).

e. Fuel Type Available for AAR. Primary/usual is F34 (if land based) or F42/F40 (if carrier based).

f. Receiver Types Certified. The aircraft types cleared to refuel from the Super Etendard are listed in Annex GD.

NOTE

Due to rarity of AAR operations between foreign receivers aircrafts and SEM, most of receivers are to be confirmed by French Navy at every occasion AAR on SEM is considered. POC for Tanker/Receiver Clearance are listed in Annex G, paragraph 7G.b.

g. Lighting.

(1) **Super Etendard Exterior Lighting.** The Super Etendard has the following exterior lighting: an anti-collision light on the tail white or an experimental green for AAR, navigation lights and blue formation lights. See [Appendix 1](#).

(2) **AAR Equipment Signal Lights.** AAR equipment signal lights are mounted at both sides of the hose drum on the rear of the pod. These lights can be dimmed on request. The lights signal the following:

Steady red	Do not make contact
Steady Amber	AAR system ready for contact
Steady Green	Fuel flows
Red (whilst in contact)	Breakaway.

(3) **Correct Refuelling Position.** There are 5 white bands marked on the hose, 3 of these bands must be pushed back into the pod housing to extinguish the amber light for fuel to flow. See [Appendix 1](#).

h. Mark Facilities. Information not supplied.

i. Dimensions. See aircraft drawing. [Appendix 2](#).

j. RV Aids. The Super Etendard has the following radio, navigation, and RV aids:

- (1) VHF and UHF radios.
- (2) VOR, TACAN, INS and search radar.
- (3) A/A TACAN.

3GC. List of Appendices :

<u>Appendix</u>	<u>Subject</u>
Appendix GC-1.	Super Etendard - Exterior Ligting and Hose Markings
Appendix GC-2.	Super Etendard
Appendix GC-3.	Types of Drogue

**PART 5 - NATIONAL ANNEX
ANNEX GC, APPENDIX 1 - FRANCE**

Super Etendard - Exterior Lighting and Hose Markings

Figure GC-1-1 – Super Etendard Exterior lightning

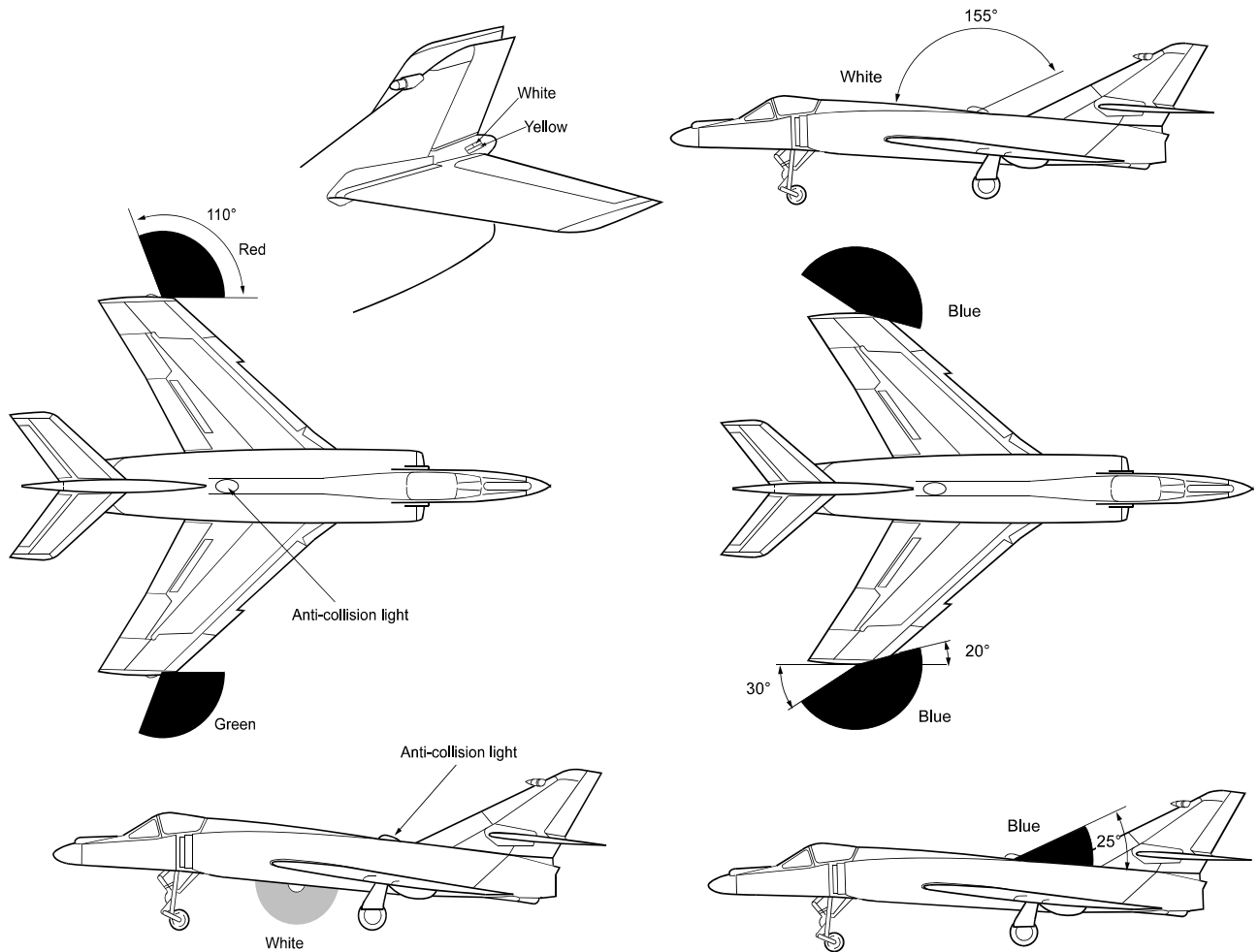
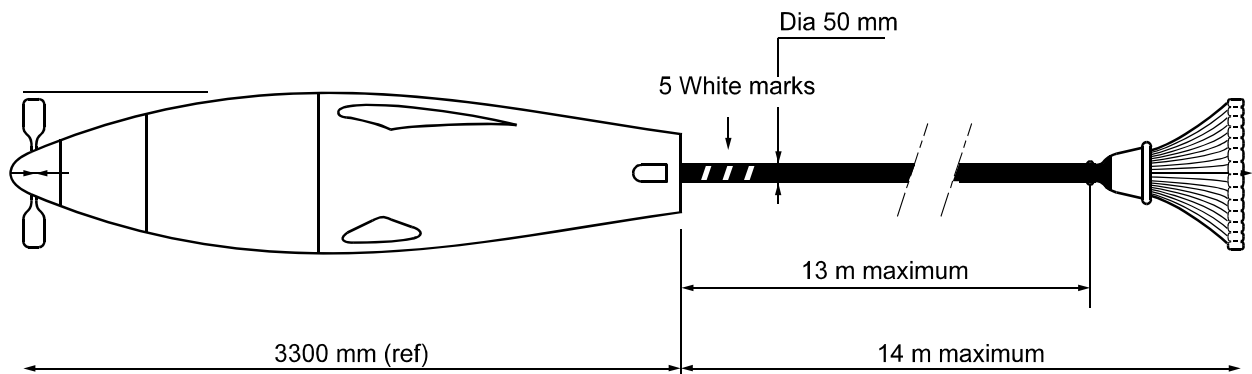


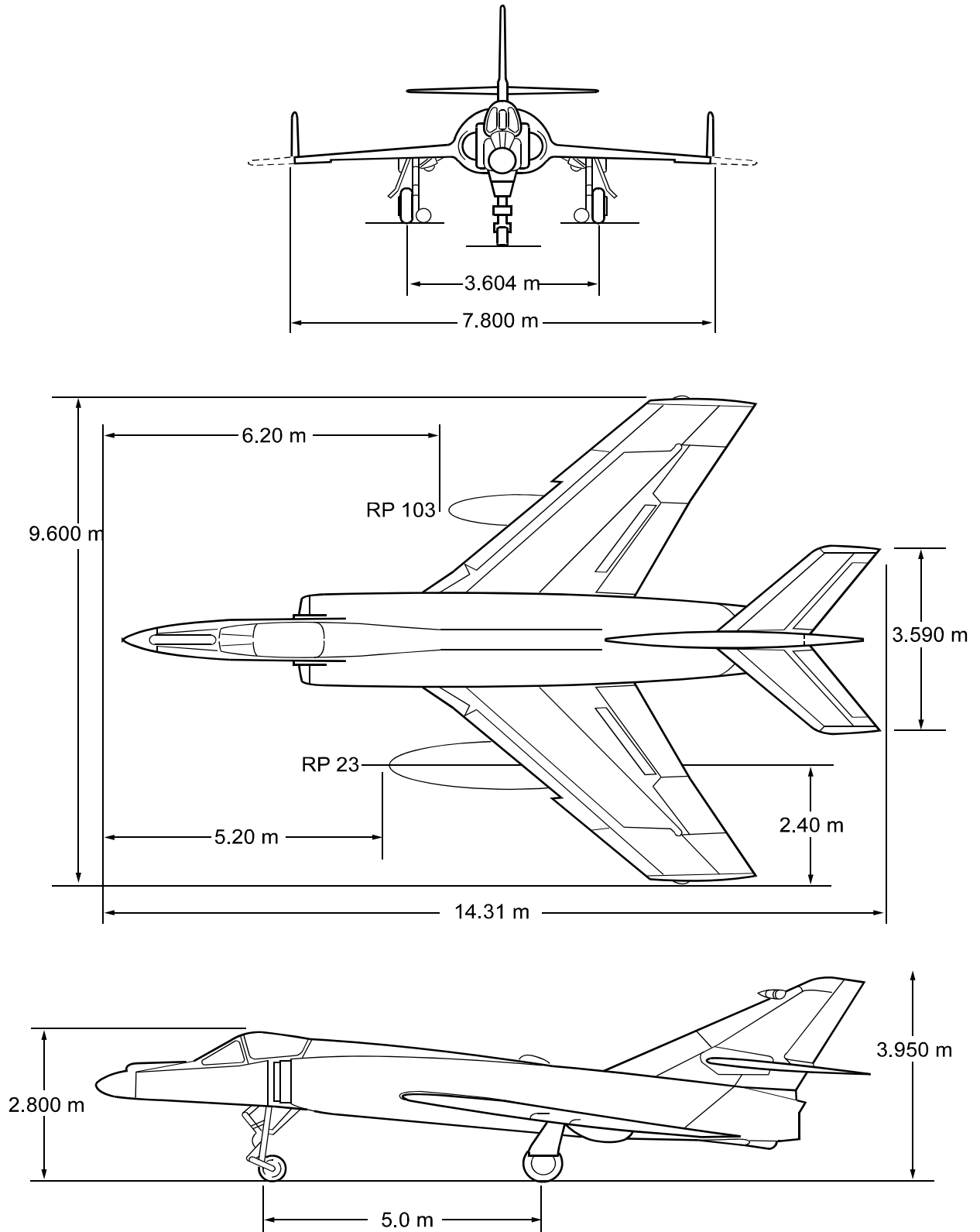
Figure GC-1-2 – 827 Series Pod – Hose Markings



INTENTIONALLY BLANK

**PART 5 - NATIONAL ANNEX
ANNEX GC, APPENDIX 2 - FRANCE**

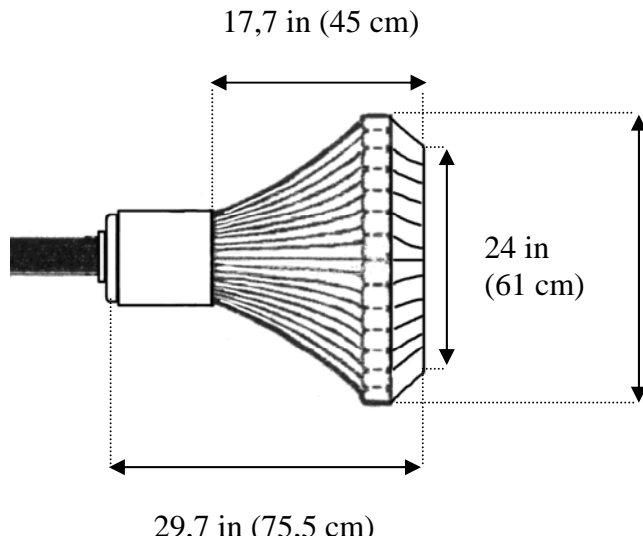
Super Etendard – Dimensions



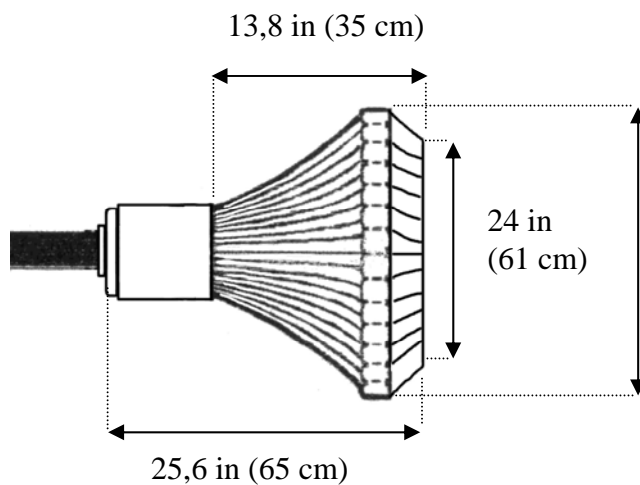
INTENTIONALLY BLANK

**PART 5 - NATIONAL ANNEX
ANNEX GC, APPENDIX 3 - FRANCE**

Super Etendard – Types of Drogue



INTERTECHNIQUE DROGUE 231 030
ON NACELLE DOUGLAS D 827 B 1



INTERTECHNIQUE DROGUE 233 790
ON NACELLE
INTERTECHNIQUE 234000

INTENTIONALLY BLANK