



# F/A 18 C Mock-Up





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# Idea and application

Modern training needs for aircraft, aircraft tractors, aircraft rescue, ABC decontamination of aircraft and air base emergency services can only be partially covered by deploying aircraft for these missions.

Instruction and training using real aircraft always entail a high degree of risk. Accidental damage generates very high repair costs and places limitations on the availability of the aircraft. For example, exercises with a loaded ejector seat or operational ABC decontamination of aircraft are prohibited.

To assure the vitally necessary instructions and training of the armed forces and professional personnel, a mobile ground operations training facility is needed for the following areas.

- |                        |   |  |
|------------------------|---|--|
| Aircraft tractors      | → | Driver training                              |
| Air accident emergency | → | Pilot rescue and mission procedures training |
| Aircraft recovery      | → | Recovery and lifting training                |



# Technical data

Gross weight:	6400 kg
Overall length:	17,20 m
Overall width:	11,70 m (without weapons systems)
Overall height:	4,50 m
Width of tailplane:	6,70 m
Braking system:	2 circuit hydraulic drum brake (left/right) Central brake oil tank
Tyres, nose:	2 × 22×6.6, 20 PLY, 145 PSI
Tyres, main landing gear:	2 × 30×11.5, 24 PLY, 245 PSI
Batteries:	Ten 12 volt Banner accumulators, 92 Ah
Temperature range:	-18°C to +40°C
Wind load:	max. 80 km/h





# Skills

## Simulations

- Fire simulation
- Hot break simulation
- Tank leakage simulation
- Sound simulation



# Equipment

- Folding side wings
- Retractable nose landing gear
- AMRAAM and sidewinder mockups
- Centerline and wing tanks
- Pylons
- Lifting fixtures
- Folding access ladder

# Functionalities

- Internal and external APU switch-off
- Internal engine shutdown with fuel shut-off valves
- Battery off switch BATT Off
- Engine shutdown with PCL
- Canopy secured with Aircraft Quick Disconnect
- Securing ejector seat
- Electrical and mechanical canopy opening
- Oxygen and radio links





# General

Year of construction:	2012/2013
Delivered to armasuisse:	24.05.2013 in Payerne
armasuisse project manager:	Peter Mathys
Production run:	One-off

## Swiss companies involved:

General contractor	Hugo Wolf AG, Seftigen
Carpentry work	Möbel Ryter AG, Seftigen
Landing gear	Zaugg AG, Eggwil
Engineering	Wenger Roland, Imperia (I)





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