

# 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: 6'400 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:  $2 \times 22 \times 6.6$ , 20 PLY, 145 PSI

Tyres, main landing gear:  $2 \times 30 \times 11.5$ , 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:

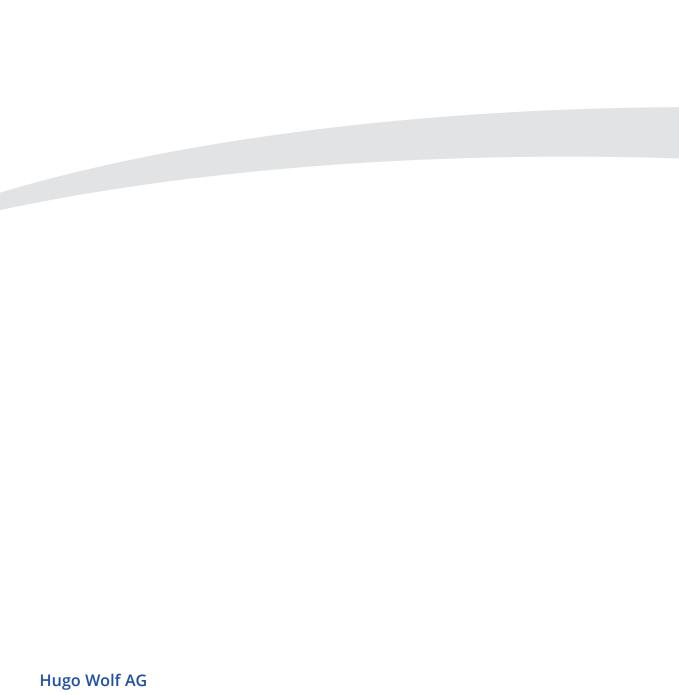
General contractor Hugo Wolf AG, Seftigen

Carpentry work Möbel Ryter AG, Seftigen

Landing gear Zaugg AG, Eggiwil

Engineering Wenger Roland, Imperia (I)





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