

Description

F/A-18s are fighter/attack war-planes that operate from aircraft carriers and land bases. They fulfil a variety of combat roles: air superiority, fighter escort, suppression of enemy air defences, reconnaissance, forward air control, close and deep air support, and day and night strike missions.

Wars and other Military Operations

F/A-18s were used in at least the following wars and military operations:

Libya (1986), Iraq (1991, 1992-present), Yugoslavia (1995-1996), Iraq (1997-present), Iraq (1998), Iraq (1999), Yugoslavia (1995-1996), Yugoslavia (1999), Afghanistan (2001-present), Iraq (2002) and Iraq (2003). (See page 31.)

Weapons

The C and D variants of the F/A-18 carry up to 13,700 pounds of external ordnance while the E and F variants carry up to 17,750 pounds of munitions for these weapons:

AIM-7	AGM-88A	CBU-89	MK-56
AIM-9	AGM-154	GBU-12	MK-62
AIM-120	AGM-158	GBU-16	MK-63
AGM-45	B-57 & B-61	GBU-24	MK-77
AGM-62	CBU-59	JDAM	MK-82
AGM-65E	CBU-72	M61A1	MK-83
AGM-84	CBU-87	MK-20	MK-84

(See "Bombs, Guns and Missiles," pp. 32-37.) RIM-7M

Canadian War Shows

U.S. F/A-18s have "performed" for audiences at Canadian "air shows," including the following:

Abbotsford (BC), Cold Lake (AB), Hamilton (ON), Lethbridge (AB), London (ON), Muskoka (ON), Ottawa (ON), Quebec (QC), Saskatoon (SK), Shearwater (NS), Ottawa (ON), Toronto (ON) and Winnipeg (MB)

Prime

CPP Investments ✓

Contractors

(See pp. 6-7)

McDonnell Douglas (US), **Northrop** (US) and **Boeing** (US).

Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the F/A-18:

AlliedSignal Aerospace Canada: Electronic Environmental Control Systems

Atlantis Systems International: Integrated Maintenance Training systems

AWSM Enterprises (Division of **Avcorp Industries**): (1) Maintenance tooling (2) crew seats, engine containers

Bendix Avelix: Fuel Control Components (for F/A-18A).

Bombardier: nose barrel assemblies

Bombardier Inc., Canadair Group: major contracts including nose cones (for the F/A-18A).

Bristol Aerospace: (1) engine components, (2) turbine frames (for the F/A-18E/F).

CAE: fast jet simulation devices (for the F/A-18E/F).

Canadian Commercial Corp. (companies undisclosed):

- air conditioning and heating (for the F/A-18A).



- gas turbine and jet engine parts (for the F/A-18A).

- landing gear

- electrical & electronic boards cards & assorted hardware

- unmounted, antifriction bearings

- Meteorological Instruments

- Misc. communication equipment

Canadian Marconi Co.: electronic & avionics components

Cercast Inc: Main heads up display housing (for F/A-18A).

DRS Flight Safety and Communications unit: deployable flight incident recorder (for the F/A-18C & F/A-18E/F).

DY 4 Systems Inc: (1) upgrade of Advanced Mission Computer and Display Processor avionics system, (2) display system, (3) Single Board Computers (for F/A-18E/F).

ELCAN Optical Technologies: Cockpit Television Lenses

Fleet Industries: (1) Radar racks, (2) Graphite composite gunloader and avionics doors (for the F/A-18A).

Garrett Manufacturing: (1) Temperature control systems, (2) Hybrid microcircuits (for the F/A-18A).

Haley Industries Ltd: Castings (for the F/A-18A).

Hawker Siddeley Canada Inc. - Orenda Division: Repair, overhaul and support services for the engine

Honeywell ASCA: (1) Meteorological Instruments and Apparatus, (2) Misc. Aircraft Engine Accessories

Hypernetics Limited: Hypernetics Limited electromagnetic indicators, flags, shutters and annunciators

IMP Aerospace Avionics: Airframe Structural Components

IMP Group: Airframe Structural Components

Leigh Instruments: Weapons management system

Magellan Aerospace: Engine and/or Airframe components (for the F/A-18C and the F/A-18E/F)

McDonnell Douglas Canada: (1) Forward fuselage sidepanels, (2) Wing pylons (for the F/A-18A).

Messier-Dowty: landing gear system (for the F/A-18E/F).

MXI Technologies: software for aviation maintenance management

Northrop Grumman Canada Corporation: (1) advanced flat panel color displays, (2) Ring Laser Gyro Inertial navigation system

Raytheon Canada Ltd.: radar system support

Recon/Optical Inc: high-and medium-altitude shared reconnaissance pod sensors (for the F/A-18E/F).

Spar Aerospace: (1) flight incident recorders, electronic weapons management system and circuit cards, (2) Automatic test equipment (for the F/A-18A).

UDT Industries Inc: Ribs and splice fittings (for F/A-18A).

Walbar Canada Inc.: Nozzle segments for the engine

West Heights Manufacturing: (1) Launch bar power unit, (2) Side brace assembly (for the F/A-18A).