



Cost Estimate of Operation IMPACT in Iraq

Operation IMPACT

The contribution of the Canadian Armed Forces to the multinational coalition against the Islamic State of Iraq and the Levant



Timeline



**Aug 2014 &
Sept 2014**
CAF airlifts to
Iraq Forces

7 Oct 2014
HOC motion
supporting
air mission

30 Oct 2014
First air strike

Apr 7, 2015
Expiry of
HOC support
for air
mission



Six CF-18 Hornets



Two CP-140 Aurora surveillance aircraft



One C-150T Polaris aerial refueller



One C-17 Globemaster aircraft



One C-130J Hercules aircraft



Air Task
Force



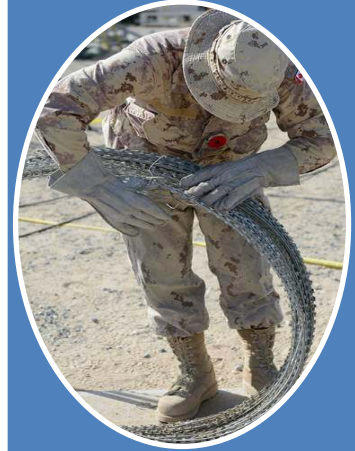
Advisors
(69)



Liaison &
Command
and control
personnel



Medical &
Firefighting
personnel



Logistics

600 Personnel (approx)

What info was used?

- DND *Cost Factors Manual 2014-15*
- DND Operation IMPACT web page
- Operation Mobile data
- United Nations data
- United States Air Force data



Information Requests

DND's Cost Estimate

- *Refused: "Cabinet confidence"*
- But: decision made
- But: likely appears in another record

Cost Breakdown for historical air missions

- *Partial breakdown provided*

Flying hours to date (primary cost driver)

- *Refused: "not financial or economic data"*
- But: likely economic, which includes factors of production such as hours worked, or here, hours flown

Tracked costs to date

- *Refused: "Cabinet confidence"*

Cost Drivers



Pay and
Allowances



Aircraft
Operations



Food and
Accommodation



Ammunition



Initial supply,
return to theatre



In-theatre supply
flights



Vehicles and
Communication



Pay and Allowances



Vehicles and Communication

- Data: Operation MOBILE (i.e. Libya)
- Normalized: inflation and length



Food and Accommodation

- Data: UN daily Mission Sustainment Allowance for Peacekeeping Operations
- Normalized: number of personnel and length



Initial supply,
return to
theatre



Aircraft
Operations



In-theatre
supply flights

- Data: DND *Cost Factors Manual 2014-15*



Ammunition

- Data: United States Air Force ammunition request to Congress

Estimate is conservative



Pay and Allowances

- Special forces advisors
- Higher risk
- Forces may exceed 600



Food and Accommodation

- Kuwait food prices high
- Some food flown in
- Infrastructure constructed on site



Aircraft Operations

- Does not include accelerated depreciation

Incremental cost of Operation IMPACT

6 months

- \$ 166.40 to \$ 128.80 million

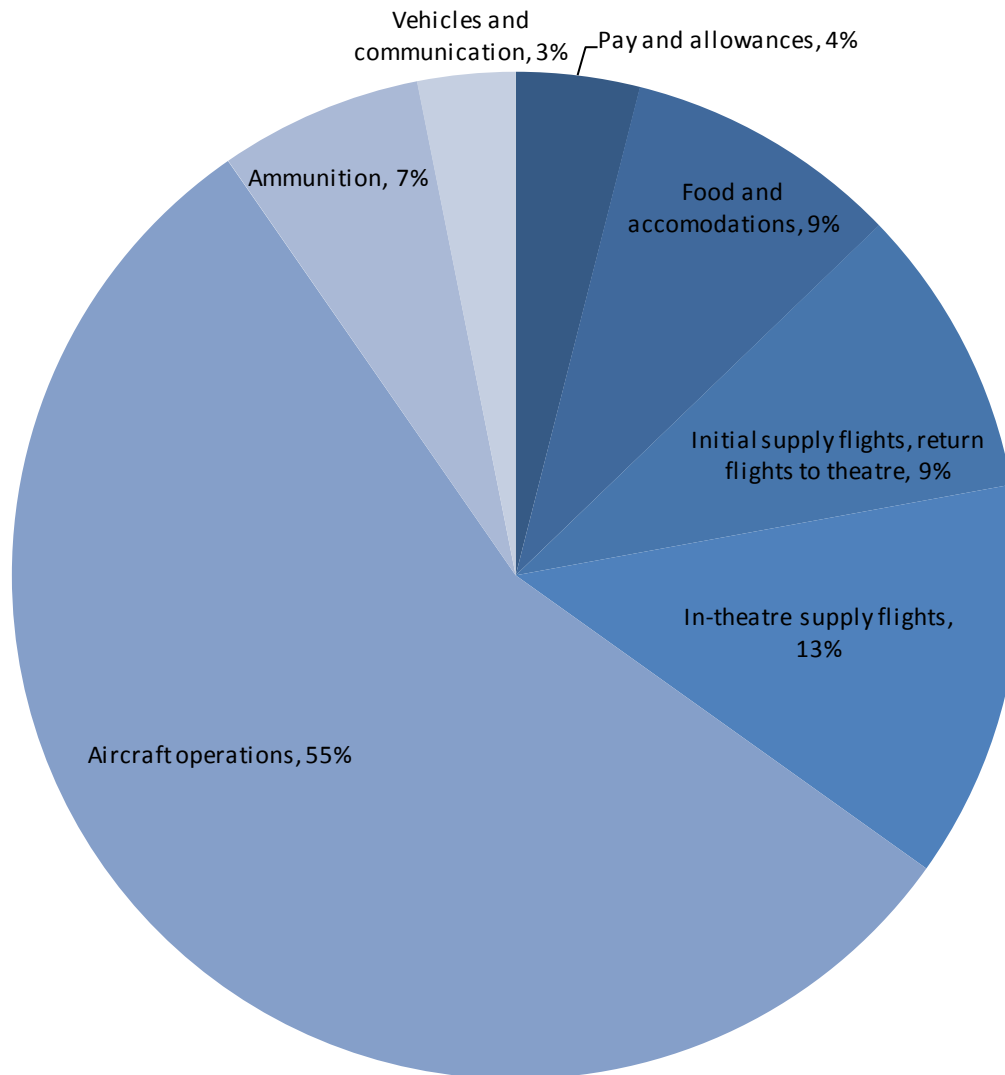
12 months

- \$ 351.27 to \$ 242.71 million

Marginal

- \$ 30.81 to \$18.98 million per month
- \$ 7.11 to \$ 4.38 million per week

Breakdown of Cost (percentage)



Full cost of Operation IMPACT

- PBO did not calculate full cost
- However, full cost of Libya was almost six times incremental cost