



Operation Athena Mission Closure

Ready at a Moment's Notice
The Logistics of Military and Emergency Preparedness

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Calgary, AB
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Agenda

- Mission
 - What
 - How
- Lessons Learned
- Logistics
 - time
 - space
 - numbers
 - art



Scope of Work

Estimate 1600+ Seacans and 1000+ Vehicles

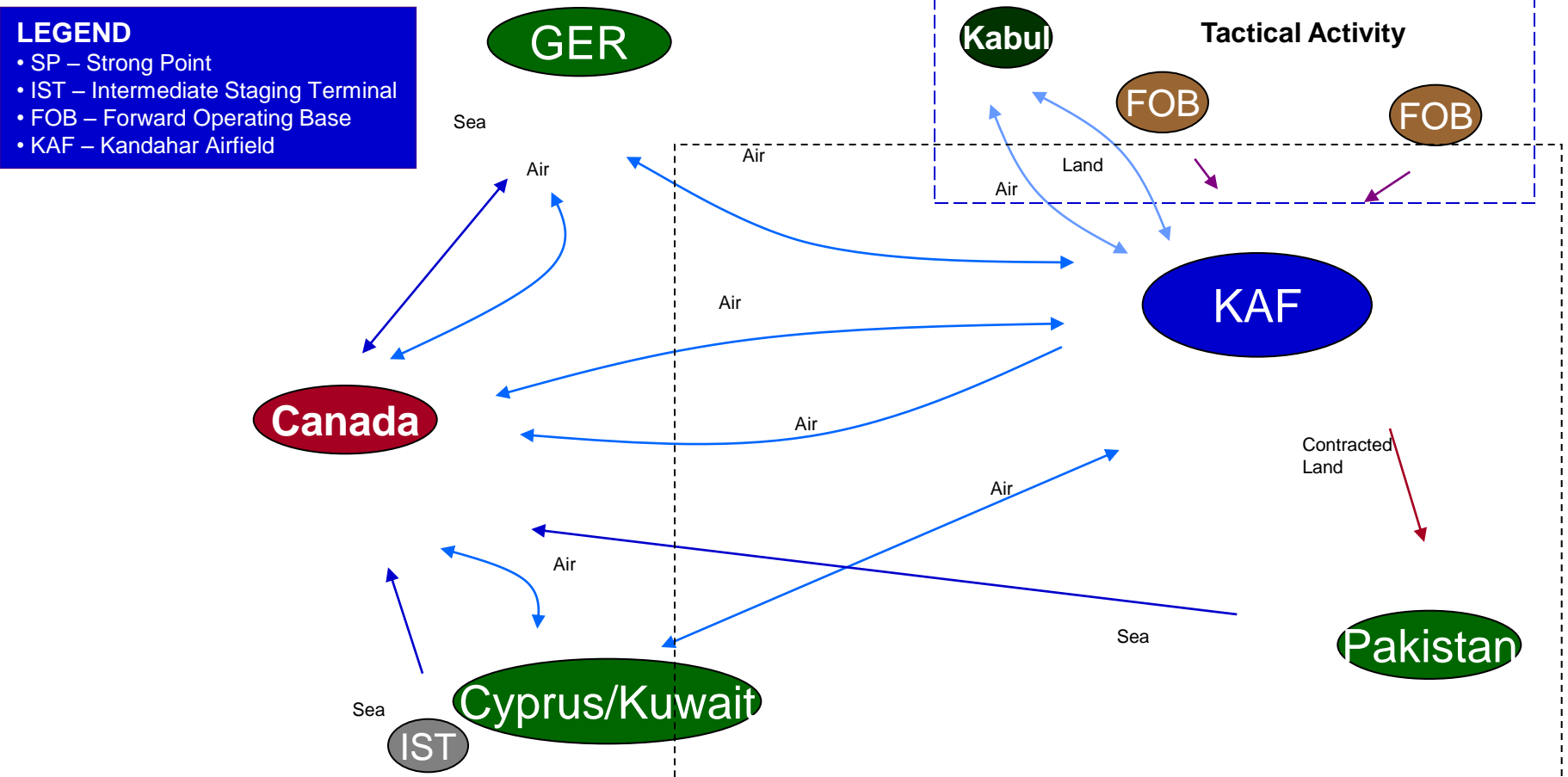
- Disposal of 261 structures, environmental remediation
- Repatriation of all data
- Closure of Detainee Transfer Facility
- Handover of Kandahar Airfield (KAF) signals infra
- Review and closure of all campaign contracts
- Completion of
 - Intra-Theatre Airlift (ITAS)
 - Commander KAF (COMKAF) manning establishment
 - Role 3 Hospital commitments
- Repatriation of all personnel
- Maintaining and enhancing Canada's and the CF's reputation



Mission Statement

Task Force – Afghanistan Roto 11 will conduct mission closure of Operation ATHENA in order to enable the Canadian Forces to transition to subsequent operations as directed by the Government of CANADA.

Lines of Communication



MTTF (incl AW: apprx 1600)



Task Force Units

- **Established**

- Headquarters
 - Commander and staff
 - Communications
- Force Protection
- Medical
- Military Police
- Intelligence
- Logistics Support
- Air Wing
 - Aviation (Helicopters)
 - Tactical Air Unit

- **Created for the Mission**

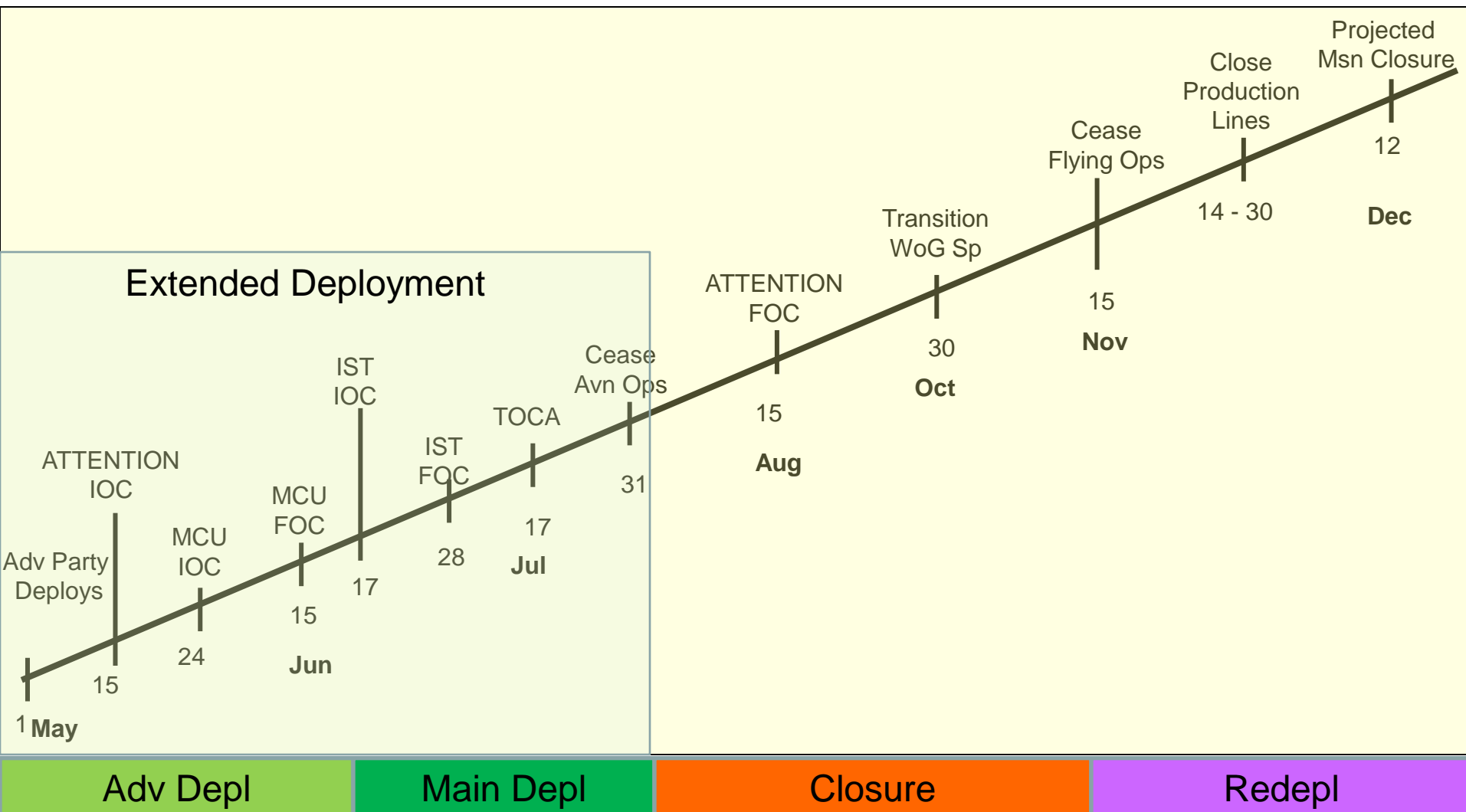
- Mission Closure Unit
- Materiel Disposal Unit
- Quality Assurance Section
- Mission Transition Special Operations Task Force
- Strategic Comms
 - Influence Activity
 - Public Affairs
 - Information Operations







Key Dates





Lines of Operations

- LoO 1 – Op ATHENA
 - Infrastructure
 - Material
 - Vehicles
 - Movements
 - IKM
 - Contracts
 - Communications
 - Infrastructure Support
 - Detainee Transfer Facility
- LoO 2 – Support to Op ATTENTION
- LoO 3 – Strategic Communications - Maintain and enhance Canada's Reputation





LoO 2

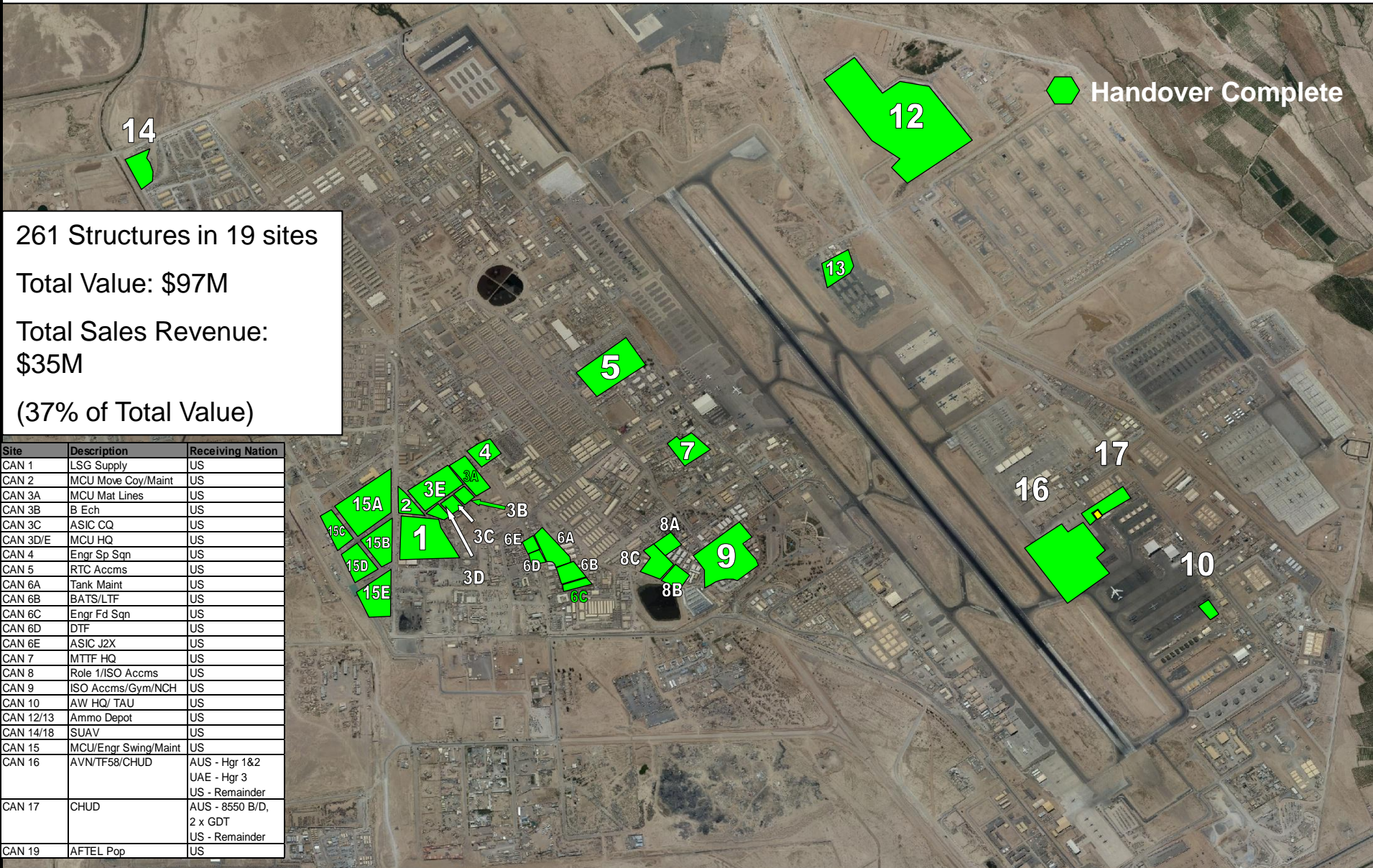
Support to Op ATTENTION

- Vehicles, equipment and Ammunition
- Tech Assistance Visits (Fire Marshall, CIS, Constr Engr, Med, Intelligence and MP/Close Protection)
- Fin Support
- General Support
- Sustainment and retrograde
- CC130 support for repatriation
- Personnel deployment and redeployment support

Size of Canadian Footprint at Kandahar Airfield
5.5 Million sq ft or 127 acres or 51 Hectares

Dimension de l'emplacement occupé par le Canada
à l'aérodrome de Kandahar
5,5 millions pi² ou 127 acres ou 51 hectares

INFRASTRUCTURE DISPOSAL



Handover Complete

14

12

13

5

7

17

16

10

9

8A

8B

8C

6A

6B

6D

6E

3D

3C

3E

3A

4

2

15A

15B

15D

15E

Jul

Aug

Sep

Oct

Nov

Dec







ENVIRONMENTAL REMEDIATION



Remediation of $>7000\text{m}^3$ hydrocarbon contaminated soil to Canadian Industrial Site Standards (<260 ppm).
Remediation is 100% complete.



**Overall number of sea-cans processed
(includes 368 serviceable sold and 239 unserviceable sold)**

2 700
total

**Nombre total de conteneurs maritimes traités
(dont 368 en bon état vendus et 239 hors service vendus)**















YMLU 272120
2721

MAX GROSS	37 400 KG
MAX LBS	82 500 LB
MAX WT	2 340 KG
MAX LBS	5 170 LB
MAX WT	28 120 KG
MAX LBS	62 000 LB
MAX WT	1 170 KG

78401
210



Tonnes of Ammunition shipped back to Canada

450
tonnes

Tonnes de munitions expédiées au Canada





Overall number of vehicles processed

1 030

Vehicles 16 airframes / Véhicules 16 avions

Nombre total de véhicules traités

















Airflow/Movements

- Mov Organizations
 - J3 Movements
 - Movements Company
 - Air Component Commander
 - Strategic Airlift Adviser Officers (SALO)
 - Combined Air Operations Centre
 - Eindhoven
 - Base Operations Centre
 - KAIA(N)
- Issues
 - Maximum Payload Limit
 - Ammunition
 - Tanks
 - Failure to process Diplomatic overflight clearances











CUT HERE FOR
EMERGENCY EXIT

LS
1007

LS
1020

EMERGENCY EXIT (GROUND AND AIR USE ONLY)
CAUTION

EMERGENCY EXIT

GROUND AND AIR USE ONLY

WARNING - REMOVE ARMOR BEFORE OPENING DOOR

965





C 177 Globemaster III

Specifications

- Service Life of 40 years+
- Range – 8,700kms empty, but unlimited distance due to in-flight refuelling capability
- Up to 170,000 lbs (85 tonnes) can be carried
- 54 passengers and an additional 135 on installed seats can be transported
- Min runway requirement for max take-off weight is 2,359m, and it can land on an improvised runway as short as 1,067m



Operations

- Canada's four CC 177 Globemaster III's were delivered in 2007-08
- Wide range of Strategic and Tactical missions globally, from support to Op ATHENA to delivery of Humanitarian Assistance to Jamaica after Hurricane Dean
- Pilots can operate using night-vision goggles, giving pilots a tactical advantage in a hostile theatre
- C177 can land on dry or wet gravel runways, as well as snow and ice



Antonov 124

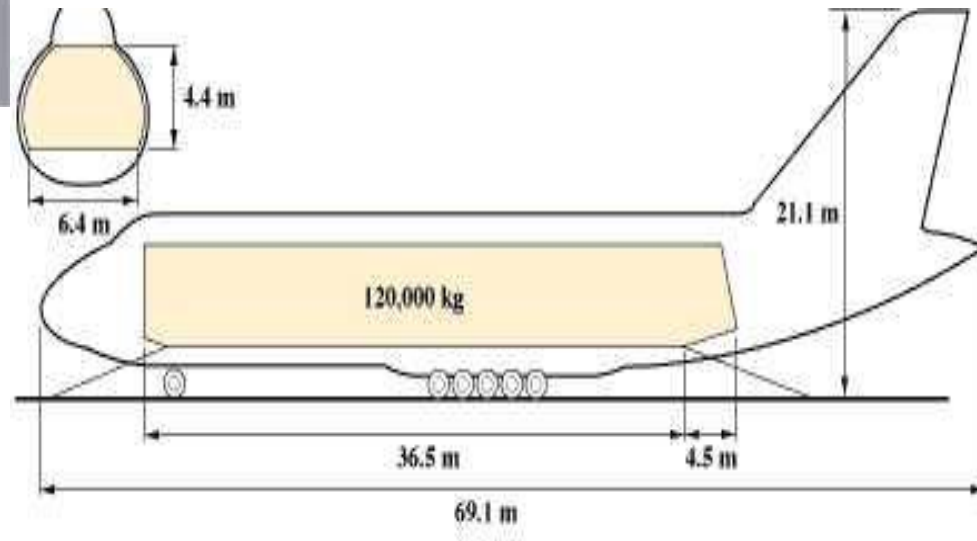


Operations

- Commercial operations began in Jan 1986
- Russia is the only nation that is a military operator of the AN 124 (22 procured), NATO uses lease agreements for use
- Civil operators of the AN 124 are Russia, Libya, Ukraine and the UAE (28 in use)
- Designed to operate from unprepared fields
- Landing gear can handle rough ground – from hard packed snow to ice-covered swampland

Specifications

- 3rd Largest operating cargo aircraft
- Service Life of 24,000 – 40,000hrs, depending on retrofitting
- Range – 15,000kms empty, 4,300kms full
- Up to 250, 000 lbs (130 tonnes) can be carried
- 88 passengers and an additional 350 on palletized seats can be transported
- Min runway requirement for max take-off weight is 3,000m
- Aircraft can be loaded and unloaded independent of ground facilities due to onboard handling eqpt



Number of aircraft loads by CC-177

245

**Nombre de charges d'aéronef
transportées par le CC177**

Number of aircraft loads by Antonov

184

**Nombre de charges d'aéronef
transportées par l'Antonov**

Number of aircraft loads sent thru Cyprus

167

**Nombre de charges d'aéronef en transit
par Chypre**

Number of aircraft loads sent thru Kuwait

179

**Nombre de charges d'aéronef en transit
par le Koweït**







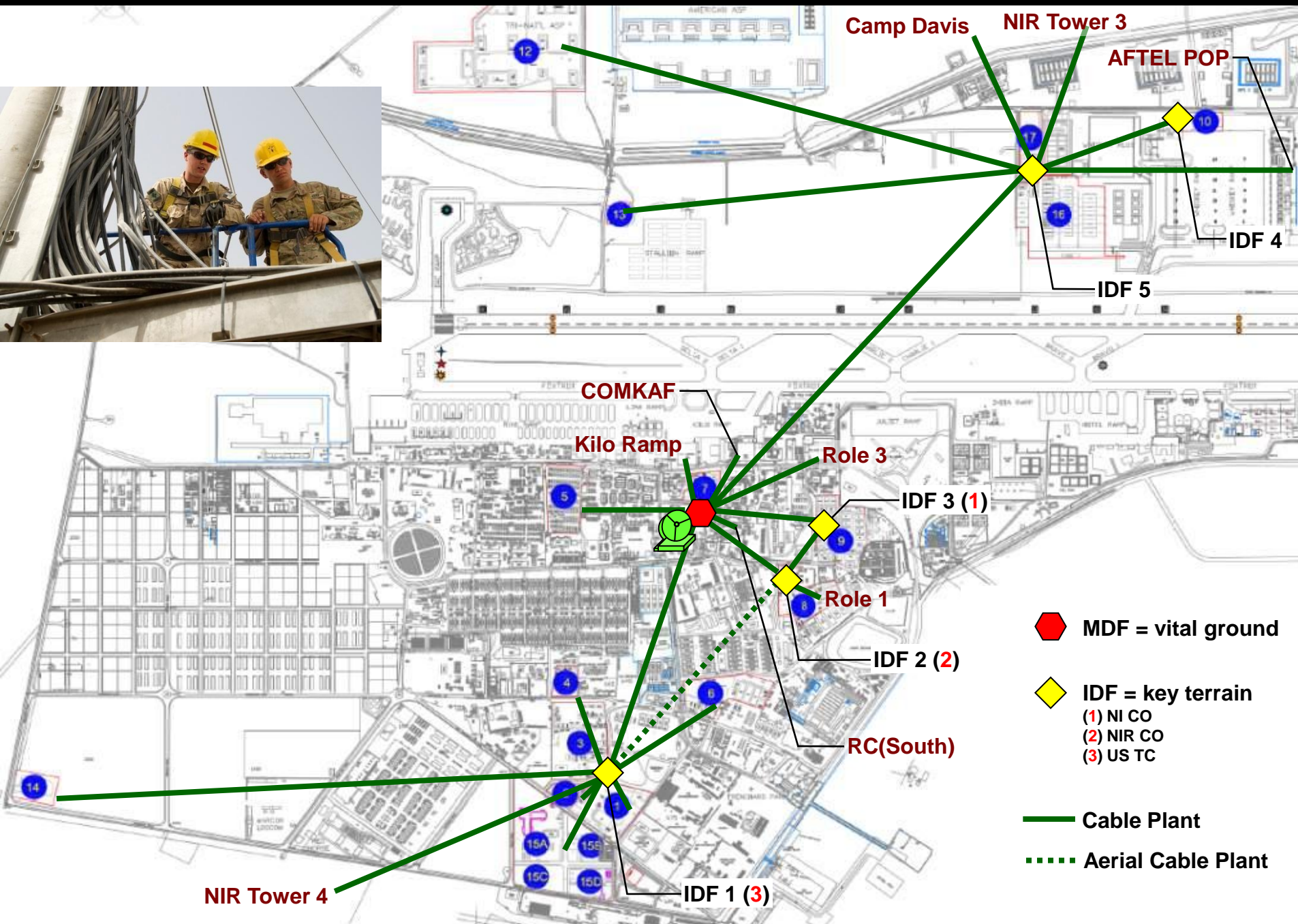




IKM

- Common Operation Picture - COP
 - Now residing on a server in Ottawa
 - Data input from Canadian Forces Corporate Systems
 - Visibility similar to “Blue Force Tracker”
- DATA/File Transfer
 - Reviewed, packaged, stored, returned to Canada and is searchable:
 - 4 escorted flights (30 Sep, 25 Oct, 25 Nov, and 8 Dec)
 - 150 TB electronic information
 - 60 Tonnes paper files





Amount of cable (Copper, fibre, and tactical wires) installed and maintained by Canada since the first line crew arrived in Kandahar in 2002.

7 000 km

Quantité de câble (cuivre, fibre, tactique) posé et entretenu par le Canada depuis l'arrivée de l'équipe de première ligne à Kandahar, en 2002.



EFFORT TO DISPOSE MATERIEL

THEATRE MATERIEL VALUE	\$1,428,232,025	(M901)
DISPOSED MATERIEL VALUE	\$ 34,165,515	(2.4%)
REVENUE (ACSA)	\$ 2,644,739	
REVENUE (SALES)	\$ 508,732	
TOTAL REVENUE	\$ 3,153,471	
COST TO PROCESS SALES	<u>\$ 635,470</u>	
TRUE REVENUE	<u>\$ 2,500,001</u>	(7.3%)











LoO 3

StratCom

- The StratCom mission was to conduct StratCom in order to maintain and enhance Canada's Legacy in Afghanistan
 - Public Affairs - informing Canadians and others in a media constrained environment
 - Information Activities – critical mission enabler facilitating relations with allies and donation/gratuitous transfers to allies and Afghans
 - Lessons Learned – late addition that captured lessons in a deliberate fashion and communicated via Tactical Lessons Reports, End Of Tour Report and “Mission Glossy Book”















CANADIAN HOUSE REGULATIONS
• Canadian Only House Inside Canada House
• 800M-200M and 100M-500M
• Outdoor Police will respond to all visitors
• During Canadian Day House in Canada House
• Non-Canadian guests may be allowed into Canada
House

35













Charity Fundraising

**(e.g. Army Run, Soldier On, Run for the Cure, Tim Hortons
Child Foundation, Terry Fox Run)**

\$155,000

Campagne de financement

**(p. ex., Course de l'Armée, Sans limites, Course à la vie,
Fondation Tim Hortons pour les enfants, Course Terry Fox)**







LEST WE FORGET



















Lessons Learned

- Early identification of command and planning team
- Detailed Planning, identification of priorities and project management (MMIB and MIDD)
- Force Structure
 - MDU, MCU, Customs team, Liaison teams, QA cell, Strat Comms
- Purpose built training
- Common Operating Picture (COP)
- Infrastructure Divestment and Footprint Reduction
- Strategic Communications
- You need a lot of organized labour
- We're pretty good at the sustainment function



Deploying over 3000 of the best trained, led and equipped troops to the far end of the world every six months, and sustaining them indefinitely, while occasionally starting other missions (such as Kabul and Libya) and running Intermediate Staging Terminals (ISTs)



Logistics

time

space

numbers

art