



# **Christchurch New Zealand**



## **Presentation to Offerors**

**Arthur J. Brown**



# **Presentation Overview**

**USAP Facilities and Activities**

**Shared Resources**

**Tempo of Activity**

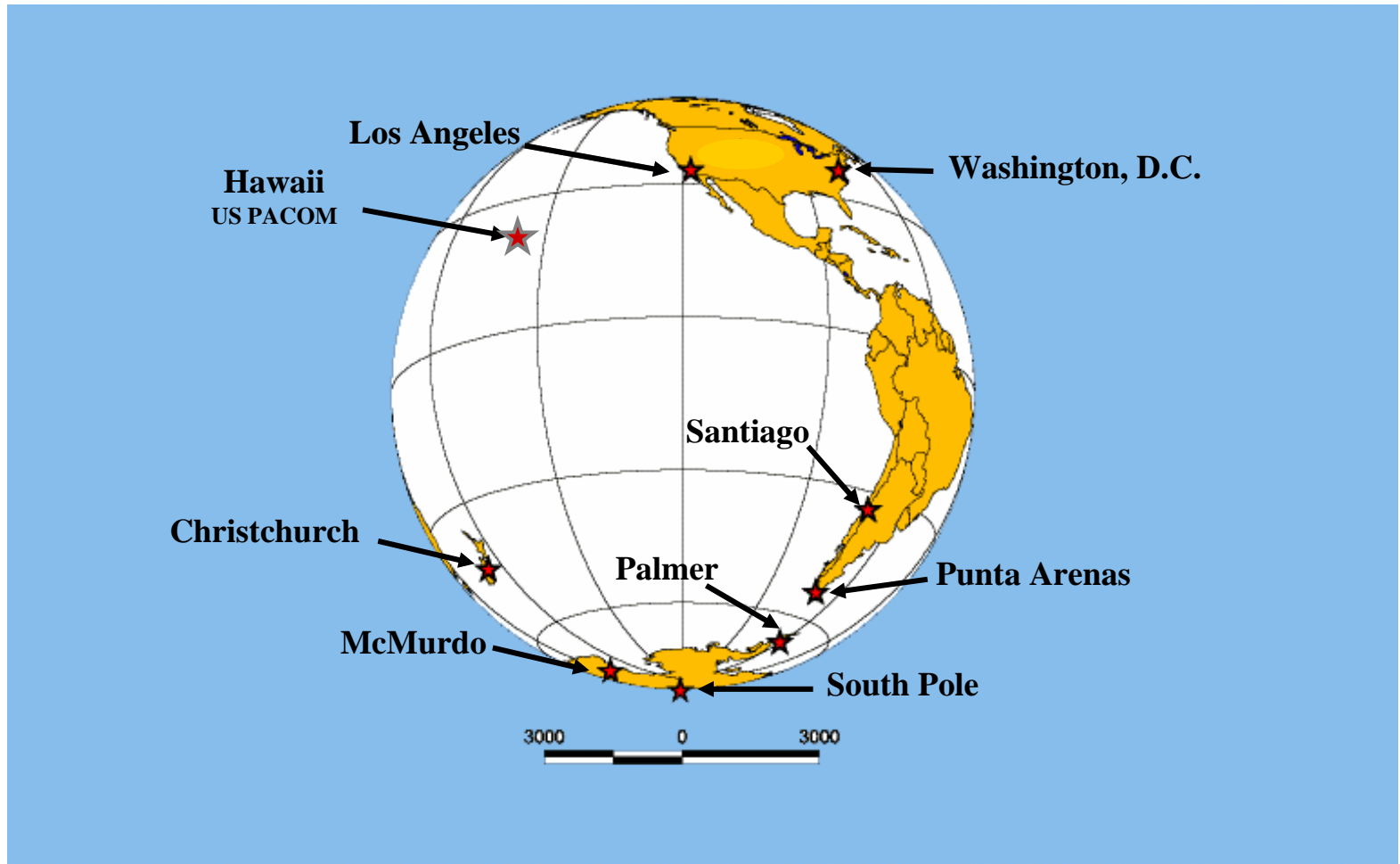
**Contractor and DoD Organizations**

**Physical-Technical Security**

**Antarctic Support Contractor Functions**



# Logistic Chains





# Christchurch USAP Activity



- **Marshalling hub for the staging and processing of materials and personnel destined for Antarctica.**
- **Forward positioning of the U S Air Force C-17 strategic aircraft, flight crews and maintenance personnel.**
- **Planned depot maintenance and un-planned drop-in maintenance for the NY Air National Guard LC-130 tactical aircraft.**
- **Port calls at deep water Lyttelton harbor.**
- **Support services provided through a blend of U. S. DoD military, DoD civilians, independent contractors and NZ military.**





# USAP Facilities Christchurch

## Relationship to International Airport Terminals







# USAP Facilities Christchurch

## Relationship to the City and Environs





# Lyttelton

## Port of Christchurch

### Marine Terminal Facilities











# Shared Resources

## Joint Logistics Pool



### New Zealand

- Departure fees
- Passenger Screening
- Drug Detection Dog
- Explosives Detection Dog
- NZ Military work force
- RNZAF airlift
- Helicopters
- Ship off-load team
- ERS/SAR coverage
- Medevac
- Off season ops

### USAP

- Airlift
- Runway
- Fuel
- Ship ops
- Helicopters

### IAP

- Airlift
- Twin Otter
- Helicopter
- Ship ops



# Tempo of USAP Operations

## Airlift



	<u>Missions</u>	<u>PAX</u>	<u>Cargo</u>
<b>WINFLY</b>	<b>3</b> (3 C-17)	<b>296</b> (Southbound)	<b>131,862</b> (Southbound)
<b>Austral Summer</b>	<b>82</b> (54 C-17 /0 Safair 25 LC-130 /3 C-130 RNZAF)	<b>3,157</b> (Southbound)	<b>2,733,876</b> (Southbound)
<b>Redeployment</b> (Post Vessel)	<b>11</b> (6 C-17/ 4 LC130/ 1 C-130 RNZAF)	<b>854</b> (Northbound)	<b>80,900</b> (Northbound)



# Independent Contractor



Space Mark International - SMI

*Standard USAF Base Supply Function*

- **LC-130 Aircraft Parts Support**
- **Material Storage and Distribution**
- **Inventory Control**
  - 11,000 line items
- **Contract oversight provided by 109<sup>th</sup> NY ANG**





# Independent Contractor



Air New Zealand Engineering Services

*Maintenance of LC-130 Aircraft*

- **Largest aircraft maintenance facility on South Island**
- **Planned depot level maintenance**
- **Unplanned drop-in maintenance**
- **Contract administration on behalf of NSF provided by Defence Contracting Management Office (DCMA)**



# Independent Contractor



Kay and Associates

*Calibration Services*

- **DoD Certified Type III Calibration Laboratory**
- **Dimensional and Electronic Instrument Calibration**
- **Annual field visits to McMurdo and South Pole**
- **Contract administration on behalf of NSF is provided by NAVAIR Metrology Calibration, Patauxant River MD.**



# U. S. Department of Defense



## *Mission Support Functions (Year-round)*

- ***Defense Contracts Management Office – USAF***
  - *Contract Administration for USAP LC-130 Maintenance*
- ***Pacific Air Forces Air Postal Squadron – USAF***
  - *Manage Christchurch Air Postal Office (APO)*
  - *Oversight McMurdo and South Pole Post Offices*
- ***West Pacific District Veterinary Command – USA***
  - *Inspect Food Suppliers throughout the Pacific*
  - *Field Audits of USAP Food Shipment, Preparation and Storage*
- ***OL-B 735 Air Mobility Squadron Hickham AFB– USAF***
  - *full ground support services to all non-USAP aircraft*





# Department of Defense



## *Missions Support Functions (Austral Summer)*

- **13 Air Expeditionary Group (AEG) – USAF**
  - Ramp Security Force
  - First Sergeant and Personnel Coordinator
  
- **304 Expeditionary Airlift Squadron (EAS) – USAF**
  - C-17 Mission Commander
  - Flight Crews
  - Maintenance and Operations Crew
  
- **139 Expeditionary Airlift Squadron (EAS) – ANG**
  - LC-130 Flight Crews
  - Maintenance Crew
  - Life Support Crew



# Department of Defense



## *Mission Support Functions (Austral Summer)*

- **Space and Naval Warfare Systems Center – USN**
  - *ATC* – Communication link for aircraft movement reports and to pass ATC commands
  - *Flight Planning* – Provide tools, instructions, and information for aircrew flight planning
  - *Weather Services* – Provide a collection and distribution of information and forecast products
  - *Flight Briefing* – Provide teleconferencing connection or direct personal briefing to all USAP flights and authorized users (USAF, State Dept, and other agencies and national programs specifically permitted by NSF)



# Security Overview

## Administration and Aviation Complexes







# Security Overview

*Memorandum of Understanding (MOU) between  
Department of State (DOS) and National Science  
Foundation dated Aug 03.*

- **Agree to provisions regarding security services and procedures for the USAP leased facilities and U.S. Government personnel in NZ.**
- **DOS Diplomatic Security Service (DSS) standards applicable to Christchurch parallel any other government agency under control of COM**
  - **Local Guard Service**
  - **Detection Sensors and Access Codes**
  - **Lock and Leave and Visitor Policies**



# Security Overview

*Memorandum of Agreement (MOA) between CINCPACOM and Chief of Mission dated Nov '00.*

- **MOA delegates responsibility for Operation Deep Freeze resources to the COM (except for aircraft assets).**
- **Dept of Defense U. S. Transportation Command responsible for Security and Force Protection of DOD transient aircraft.**
- **DoD Force Protection security standards applicable to Christchurch layer on top of the DSS standards.**



# Security Overview

*Christchurch International Airport Ltd (CIAL) adopted the security standards promulgated by the International Air Transportation Association (IATA) and the recommendations of the U. S. Transportation Security Administration (TSA).*

- **IATA/TSA security standards applicable to Christchurch layer on top of the DSS and DoD Force Protection standards.**
- ***CIAL Exclusive Area Agreement allows convenience of operation under an approved, signed and managed tenant security program.***
  - **Access Management Plan approved**





# **Antarctic Support Contractor**



*Aircraft Services and Logistics-Administrative Support*

- **Ground Support**
  - **Manage the USAP Aircraft Parking Ramp**
  - **Maintain the CIAL Operator Agreement**
  - **Aircraft Marshalling**
  - **Crew transportation**
  - **Manage support for fuel/latrine/LOX/solid waste**



# Antarctic Support Contractor



- **Cargo Operations**

- **Manage the licensed USAP cargo yard**
- **Cargo processing, manifesting and screening**
- **Augmented by NZ Defence Force personnel**
- **Airlift management**
- **Aircraft loading/unloading**
- **Container loading/unloading**
- **Dangerous goods management and regulatory compliance**



# Antarctic Support Contractor



- **Passenger Processing and Services**
  - **Commercial Airline reservation services – approx 1100**
  - **Passenger manifesting – approx 3,000**
  - **Passenger check-in, screening and transportation**
  - **Augmented by NZ Defense Force personnel**
  - **Accommodation bookings – approx 26,000 bed nights**





# **Antarctic Support Contractor**



- **Information Technology**
  - **Computer programming, hardware & software management**
  - **Airways Fixed Telecommunications Network tech support**
  - **Local and international voice/data management**
  - **Armed Forces Radio and Television Service tech support**
  - **Land Mobile Radio maintenance management**
  - **Laptop screening for deploying USAP participants**
  - **Comply with FISMA, NIST and NSF IT Security requirements**



# Antarctic Support Contractor



- **Vessel Support Lyttelton Port Calls**
  - **Research Vessel Nathaniel B. Palmer (NBP)**
  - **Cargo Vessel American Tern**
  - **Contracted Ice Breaker**
  - **Provide for Port Agency and Stevedoring services**
  - **Process science party and crew exchanges**
  - **Fuel contract management (NBP 2-port calls)**
    - ♦ **Marine Diesel: 1.4 K Metric Tonnes**
  - **On-load/off-load containerized and break bulk**
    - ♦ **USAP cargo on-load: 0.400 M Lbs**
    - ♦ **AntNZ cargo on-load: 1.300 M Lbs**
    - ♦ **Total cargo off-load: 0.150 M Lbs**



# **Antarctic Support Contractor**



- **Maintenance of Air Ground Support Equipment (AGE)**
  - **57 line items of AGE equipment**
  - **Approx 114 annual inspections plus unscheduled maintenance**
  - **Assistance in repair of McMurdo AGE**
  
- **Christchurch USAF Air Post Office (APO)**
  - **Provide one civilian U. S. and one local national position**
  - **NSF/PACAF Air Postal Squadron Agreement dated 12 Sept 05**



# Antarctic Support Contractor



- **Medical Support**
  - **Coordination with local health care providers**
  - **Medevac patient transport coordination**
  
- **Facilities Maintenance Services**
  - **26 govt owned Buildings and Portable Structures**
  - **Direct and subcontracted maintenance**
  - **Approx 285 annual maintenance actions**
    - ♦ **250 direct**
    - ♦ **10 subcontracted**
    - ♦ **25 CIAL (landlord)**





# Antarctic Support Contractor



- **Extreme Cold Weather Clothing (ECW)**
  - **Procure, maintain and Issue ECW**
  - **124,000 garments in inventory**
  - **Approx 48 percent of inventory issued each season**
  - **Approx 26 separate line items procured each year**



# Antarctic Support Contractor



- **CIAL Leases for Land and Administration Space**

	Expiration	Rent/Mo
- Commercial Office Space	2017	45 K usd
- Land	2010	15 K usd

- **Local Purchasing**

- Annual procurements:

- ♦ Line items for CHCH based activities: 375
    - ♦ Line items for Antarctica based activities: 770



# Antarctic Support Contractor



- **Vehicle Fleet Management**
  - **General purpose on-road vehicles**
    - ♦ 19 vehicles govt owned
    - ♦ 1 vehicle seasonal lease
  - **Material Handling Equipment**
    - ♦ 15 units govt owned
    - ♦ 2 units seasonal lease
  
- **Security Services**
  - **Provide for Local Guard Service**



# Questions?

