Joint Logistics Over-The-Shore

USTRANSCOM & JLOTS

Program Update

Briefing Topics

- **JLOTS Mission & Importance**

- **JLOTS Capabilities/Equipment**

- **USTRANSCOM Oversight Responsibilities**

- **Current Assessment of JLOTS Capability**

- **Road Map to the Future**

JLOTS Mission

A Critical Link in the DTS

Joint Logistics Over-the-Shore (JLOTS) is a *unified commander's* joint employment of Army and Navy LOTS assets to *deploy and sustain a force*. JLOTS operations allow U.S. *strategic sealift* ships to discharge through inadequate or damaged ports, or over a bare beach. JLOTS watercraft can also be used to *operationally reposition* units and materials *within a theater*.

"JLOTS Vision 2010"

BOTTOM LINE: JLOTS is a Strategic Insurance Policy

Why do we need JLOTS?

REALITY:

- **More deep draft vessels in strategic sealift fleet**
- **Worldwide deep draft ports remain limited in many areas**
- **Port denial is expected**
- **Critical to the Warfighter!**
- **Defense Planning Guidance**
  - **Army/Navy conduct one liquid and dry cargo JLOTS annually in conjunction with a CJCS exercise**
- **Train the Force IOT Maintain the Capability**
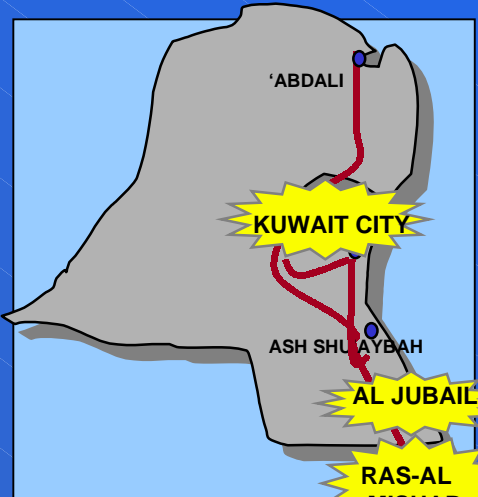
JLOTS Offsets:

- ➡ **Port Denial**
- ➡ **Port Draft**
- ➡ **Port Congestion**

JLOTS Provides a Unique Capability
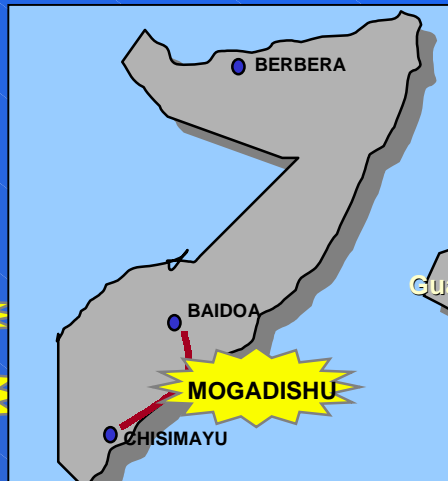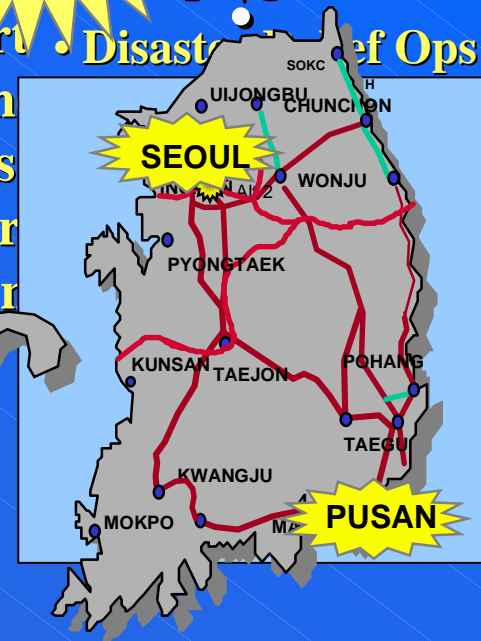
JLOTS Operations:
Past and Future

1990

1994

1999

?

Supports Force Closure and Sustainment

- Humanitarian
- Disaster Relief Ops

'ABDALI

KUWAIT CITY

ASH SHUAYBAH

AL JUBAIL

RAS-AL MISHAB

Desert Storm

BERBERA

BAIDOA

MOGADISHU

CHISIMAYU

Somalia

Belize

PUERTO CORTEZ

Guatemala

Honduras

JUTICALPA

El Salvador

Nicaragua

Panama

Hurricane MITCH

SOKC

UIJONGBU

CHUNCHON

SEOUL

WONJU

PYONGTAEK

KUNSAN
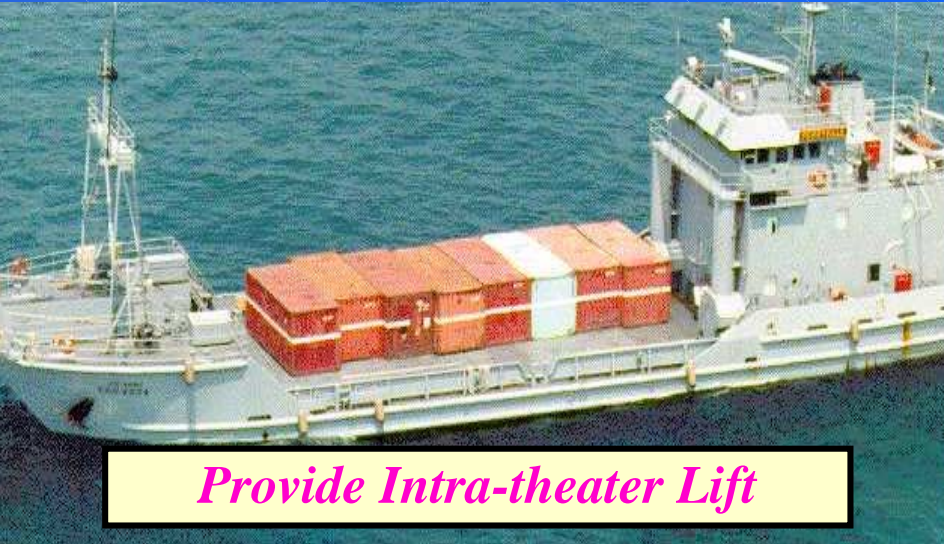
TAEJON

POHANG

KWANGJU

TAEGU

MOKPO

PUSAN

Korea

- Ports not available
- Ports inadequate
- Ports denied
- Limited road network
- Enemy expects us to use major ports

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JLOTS Capabilities

Provide Intra-theater Lift

Augment an established port

Supplement a degraded port

Create a port

Floating causeway ferry discharge

RO/RO Discharge Facility

Trident Causeway Pier

LCU-2000

JLOTS Equipment

Elevated Causeway

Logistics Support Vessel

Strategic Sealift JLOTS Support Vessels

Heavy Lift Ship (HLPS)

Sea Barge Carrier (SEABEE)

Auxiliary Crane Ship (T-ACS)

Lighter Aboard Ship (LASH)

Joint Operations - Interoperable
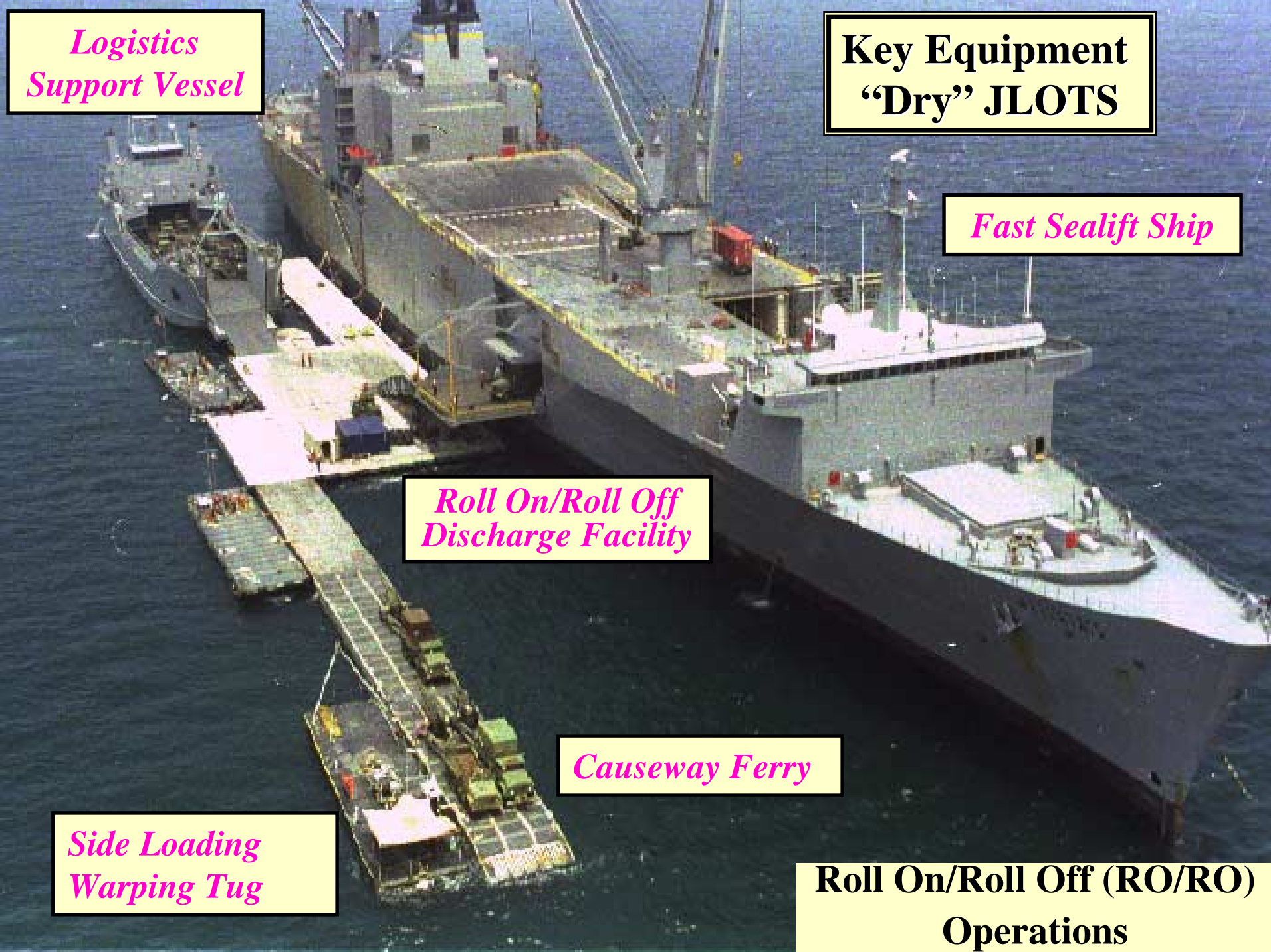
Logistics Support Vessel

Key Equipment "Dry" JLOTS

Fast Sealift Ship

Roll On/Roll Off Discharge Facility

Causeway Ferry

Side Loading Warping Tug

Roll On/Roll Off (RO/RO) Operations

Key Equipment "Dry" JLOTS

Auxiliary Crane Ship (T-ACS)

Commercial Container ship
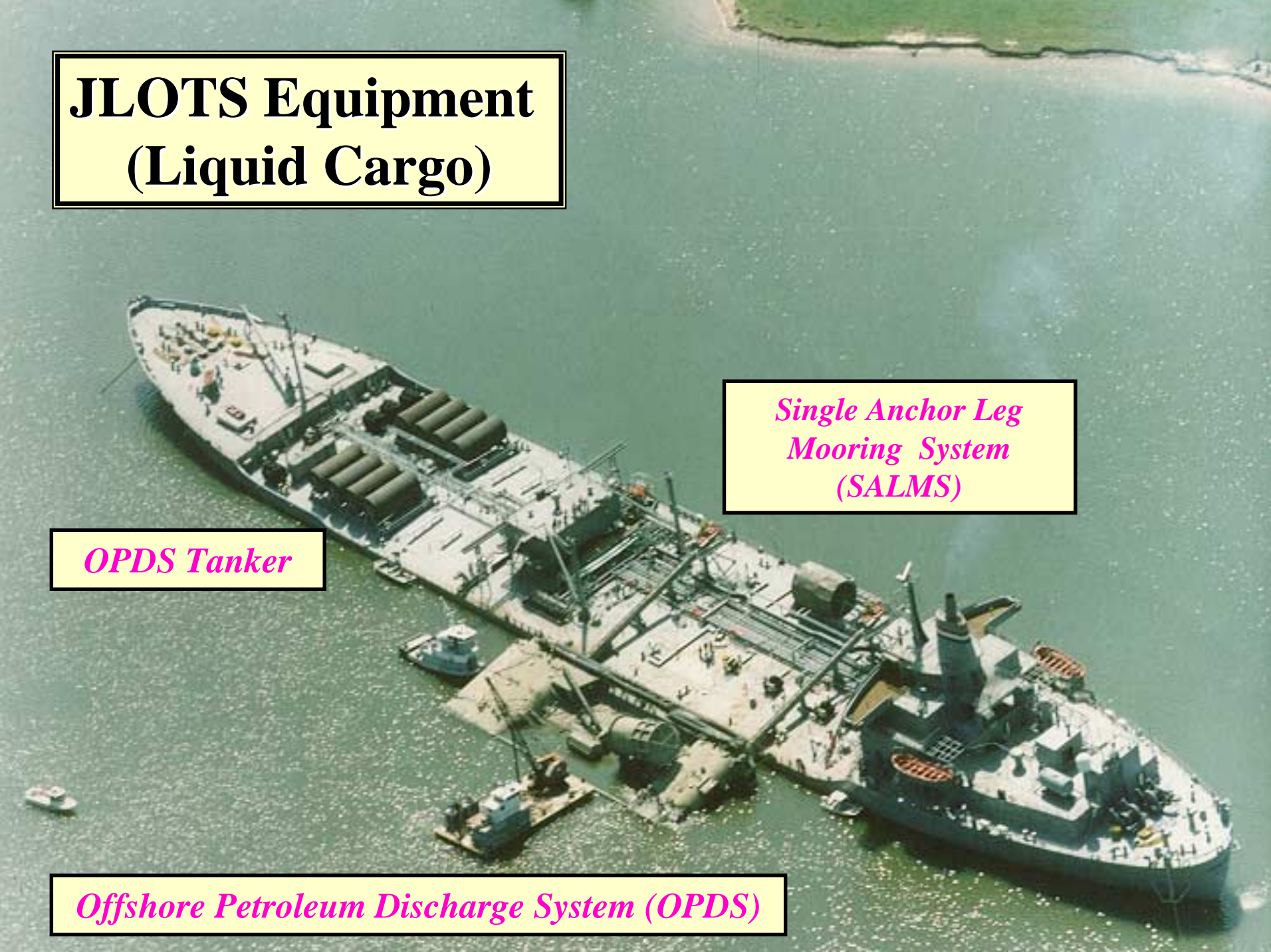
Army LSV

Navy LCU 1600

Lift on/Lift Off (LO/LO) Operations

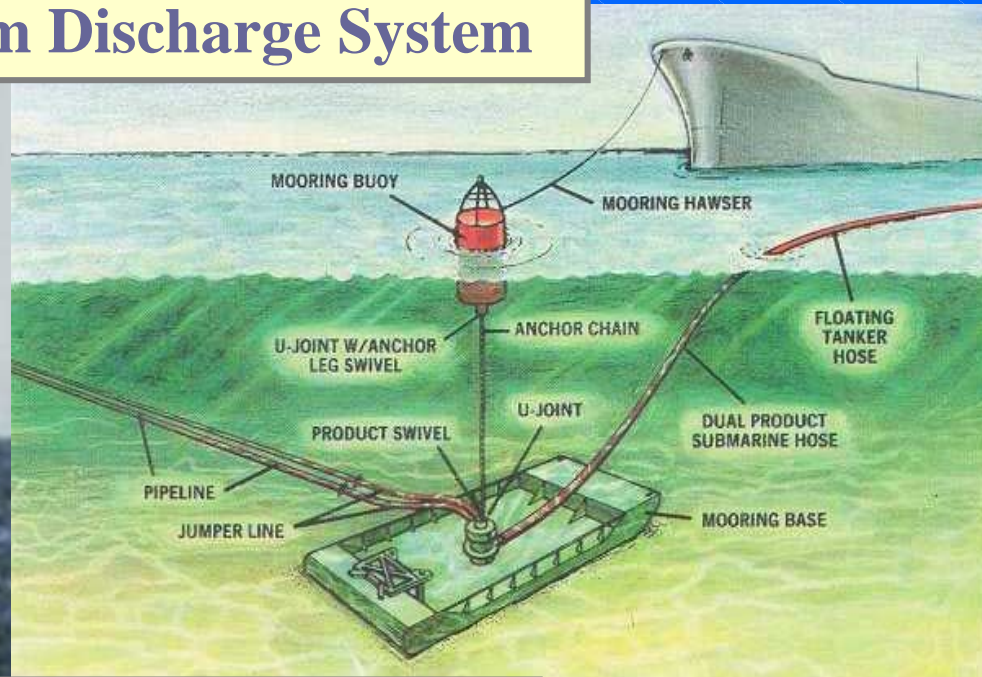**JLOTS Equipment (Liquid Cargo)**

Single Anchor Leg Mooring System (SALMS)

OPDS Tanker

Offshore Petroleum Discharge System (OPDS)

Offshore Petroleum Discharge System

MOORING BUOY
MOORING HAWSER
U-JOINT W/ANCHOR LEG SWIVEL
ANCHOR CHAIN
FLOATING TANKER HOSE
PRODUCT SWIVEL
U-JOINT
DUAL PRODUCT SUBMARINE HOSE
PIPELINE
JUMPER LINE
MOORING BASE

Inshore Petroleum Distribution System

Oversight Responsibility

- **1987 CJCS Implementation Plan:**

    JLOTS oversight ⟹ USTRANSCOM

- **Oversight defined as:**　　　　　**Program Areas**

    ⇒ **Advocate for JLOTS Program**　　　▸ **DOCTRINE**

    ⇒ **Proponent for Joint Doctrine (TTP)**　▸ **FORCE STRUCTURE**

    ⇒ **Planning Assistance to CINCs**　　　▸ **INTEROPERABILITY**

    ⇒ **Review of POMs**　　　　　　　　▸ **PLANNING**

    ⇒ **Oversight of Exercises**　　　　　　▸ **EXERCISES**

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JLOTS Program

Our VISION: A *trained and ready force* capable of <u>planning</u> and <u>executing</u> JLOTS operations to meet geographic CINCs theater deployment and sustainment requirements.

Our GOAL: A coordinated, comprehensive program that ensures *training and readiness* of JLOTS forces and evaluates <u>planning</u> and <u>execution</u> of JLOTS operations.

Our STRATEGY: A *partnership* between JCS, USTRANSCOM, CINCs and Service operating forces in <u>planning</u>, <u>executing</u> and <u>evaluating</u> JLOTS operations.

How We Define Success…...
……How Well We Are Doing

▸ **DOCTRINE** - JLOTS doctrine is "up-to-date", understood, incorporated in service doctrine and implemented by operating forces and CINC staffs.

Y

▸ **FORCE STRUCTURE** - Service LOTS force structure is properly equipped and apportioned to meet DPG and CINC mission requirements.

Y

▸ **INTEROPERABILITY** - Service LOTS forces and equipment capable of operating together as part of a Joint Task Force

Y

▸ **PLANNING** - Each CINC's JLOTS requirements are defined and articulated in OPLANs and CONPLANs.

Y

▸ **EXERCISES & TRAINING** - JLOTS exercises and training are planned, programmed, and executed to meet training objectives.

Y

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FY01 JLOTS Timeline

Program Areas

SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG

Doctrine

- JLOTS Pub Review
- AAR/ JULLS Input
- Evaluation Process
- Doctrine fixed
- Eval Process formalized

Force Structure

- Army Watercraft Plan
- Impact Reconciled
- Readiness Review
- FLO/FLO Working Group
- SS3 R&D on track

Interoperability

- Sea State 3
- JMLS Testing
- RIB Demo
- Crane Demo
- CPX Development
- CPX on track
- JLOTS in OPLANS

Planning

- OPLAN Review
- JSCP Review
- WORK SHOP
- 1003 Sourcing Conf.
- 5027 Sourcing Conf.
- 1003 TPFDD Conf.
- 5027 TPFDD Conf.

Exercises

- FY02 CDC
- TURBO PATRIOT
- JLOTS 01 MPC
- Worldwide Exercise Conf
- JLOTS 01 FPC
- JLOTS 01 OP
- FY02-07 Exer. funded and planned

Baseline JLOTS Exercise

- Joint Task Force Hq
- Joint Command & Control
- Forces structure of 800 - 1200 personnel
- Liquid/dry cargo operations
  - Wheeled/tracked vehicles (RO/RO) = force deployment
  - Containers (20-/40-foot) (LO/LO) = ammo/sustainment
  - OPDS = POL
- Interoperable systems
  - Tactical (ELCAS, RRDF, OPDS and mix of watercraft)
  - Strategic Shipping - 4 vessels
    - LMSR, FSS , or RRF RO/RO
    - Container ship
    - T-ACS crane ship
    - OPDS tanker
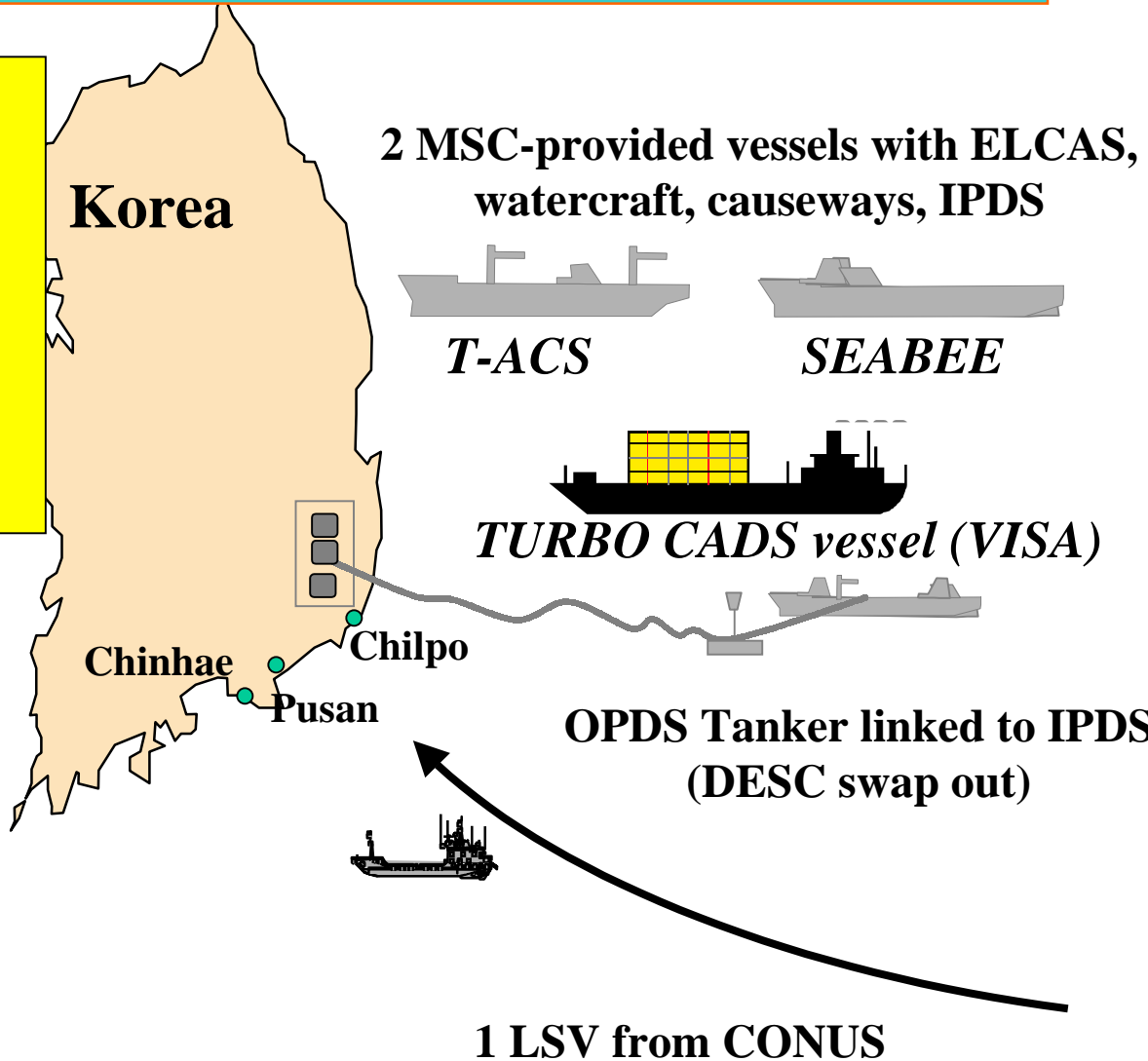- Formal evaluation and after action review/report

Combined/JLOTS01 General CONOPS

Linked to TURBO CADS 01 (Containerized Ammunition Distribution System)

CONOPS employ...
Navy ELCAS
1 LSV (JLOTS & intra-coastal)
OPDS/IPDS
Floating causeways
Causeway pier
LCU 1600s (TBD)
RSO via motor of 60 TEU

Korea

2 MSC-provided vessels with ELCAS, watercraft, causeways, IPDS

T-ACS   *SEABEE*

TURBO CADS vessel (VISA)

First container ashore 1 Jun 01:

- 300 at Chilpo

- 200 at Chinhae

Chinhae

Chilpo

Pusan

OPDS Tanker linked to IPDS (DESC swap out)

1 LSV from CONUS

ELCAS (M) Construction at Chilpo Beach

ELEVATED CAUSEWAY
SYSTEM - MODULAR
IN ACTION ('BOUT TIME!)

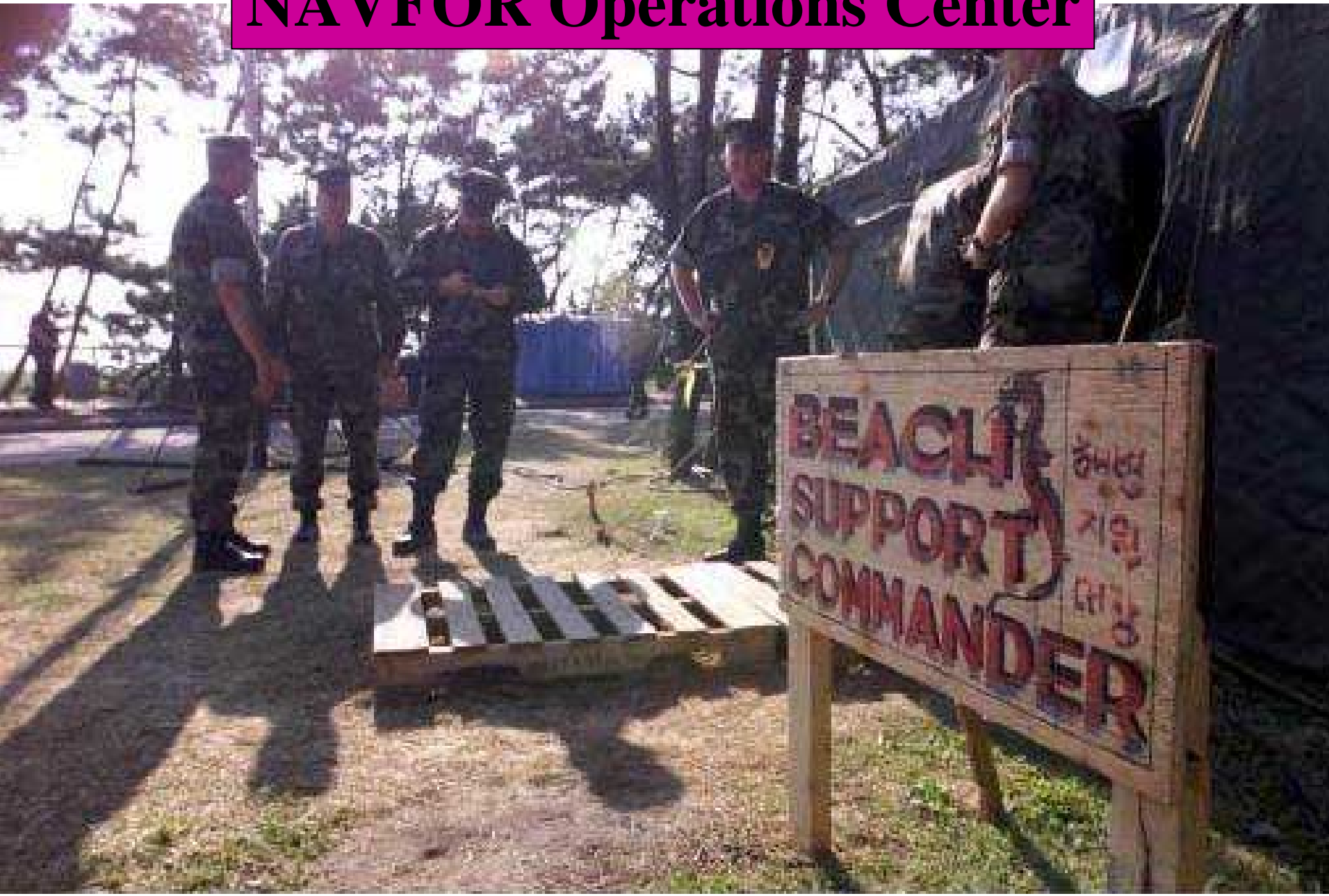MAERSK ALASKA

Causeway Pier

Inshore Boat Units for Force Protection

NAVFOR Operations Center

Exercises Summary

- **143D TRANSCOM was JTF & JLOTS Commander**
- **1498 personnel all Services**
- **634 visitors US/ROK, 26 were 2-star or above (7 4-stars)**
- **Strategic ships: Commercial containership, OPDS tanker, T-ACS crane ship, SEABEE vessel, and container tug/barge.**
- **Key systems employed included:**
  - **Elevated Causeway System (ELCAS)**
  - **Offshore Petroleum Discharge System (OPDS)**
  - **Inland Petroleum Distribution System(IPDS)**
  - **Logistic Support Vessel (LSV)**
- **1-5 June 01 discharge**
  - **275 containers of munitions from ship to staging area via ELCAS (recycled throughout exercise)**
  - **65 containers moved inland via truck to ammunition storage points**
  - **101 containers offloaded to LSV & ROK LCU 1600 for intra-theater movement to Chinhae**
  - **3.5M gallons water pumped from OPDS tanker to IPDS**

"On the Screen"

Concord

Container ship

T-ACS

Tanker

FSS

USNS Sisler

Camp Pendleton

NTC

FORT Stewart

3ID Deployment to NTC

APS-3
Maint
Cycle

'ABDALI

KUWAIT CITY

ASH SHUAYBAH

AL JUBAIL

Native Atlas (CENTCOM - JLOTS FY02)
- APS port opening package downloa
- NTC Deployment (3 ID)
- Containerized Ammo (Turbo Cads)
- Wet cargo Ops
- Execution: Mar-Apr 02, Camp Pendleton, CA

JLOTS Exercise Schedule

FY 01	FY02	FY03	FY04	FY05	FY06
PACOM TURBO CADS	**CENTCOM (EUCOM)**	**PACOM**	**SOUTHCOM**	**PACOM**	**CENTCOM (EUCOM)**

- **Promulgated to CINCs by CJCS 29 Jan 01**
  - **Guidelines for alternate exercise established (CONUS acceptable!)**
- **Baseline exercise defined in FY00 at JLOTS Board/GOSC**
- **JLOTS exercise schedules entered in Joint Training Information Management System (JTIMS) by USTRANSCOM**
  - **USTRANSCOM is sponsoring CINC; Regional CINCs are scheduling CINCs**
  - **Notional JMET, CONOPS, Force Structure, funding data**

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JLOTS Value Added

Support CINC Deployment & Sustainment Requirements

Ensure Interoperability

Theater Engagement to Demonstrate Capability

JLOTS EXERCISES....

Offload & RSOI at Port(s) & in Over-the-Shore Operations

Train DOD JLOTS Operating Forces & Merchant Mariners