

A satellite-style image of the Earth, showing the continents of North and South America. The image is centered on the Americas, with the Atlantic Ocean to the east and the Pacific Ocean to the west. The text is overlaid on the lower-left portion of the globe.

Collaboration
And
Communication
Symposium
16 June 2004





Lessons from the War in Iraq: Collaboration in Humanitarian Support

Eric Rasmussen, MD, MDM, FACP
Commander, Medical Corps, US Navy
Physician, Iraq Humanitarian Operations Center

- Background:
 - Civil-Military Operations as a requirements model
 - Strong Angel in RIMPAC 2000
 - The 10-20-30 Document
- The war in Iraq (OIF)
 - Tracking humanitarian assessment information
 - Lessons Learned in leadership-through-collaborative-support
- Demonstration of 2004 example opportunities
 - Strong Angel II: Designing the Edge
 - July 17-22, Kona, Hawaii, RIMPAC 2004



**Complex
administration...**

- Kosovo (S-M), 1999
- US Army soldiers
- German food
- Russian helicopter
- NATO leadership
- Civilian support
- United Nations mission



...meeting cultural impediments...



...with consequences for failure.

MARTIN
VAN
CREVELD

THE
Transformation
OF WAR

THE MOST RADICAL REINTERPRETATION OF
ARMED CONFLICT SINCE CLAUSEWITZ

Environment,
Scarcity, and
Violence

THOMAS F. HOMER-DIXON

The 1999 US National Military Strategy document...

“It is imperative that our Joint Forces also enhance their ability to operate in consonance with other US government agencies, and with Non-governmental Organizations (NGOs), International Organizations (IOs), and Private Voluntary Organizations (PVOs) in a variety of settings. The specialized access and knowledge these organizations possess can facilitate prompt, efficient action to prevent conflict, resolve a crisis, mitigate suffering, and restore civil government...”



Joint Publication 3-57



**Joint Doctrine for
Civil-Military Operations**



8 February 2001



Joint Publication 3-07.6



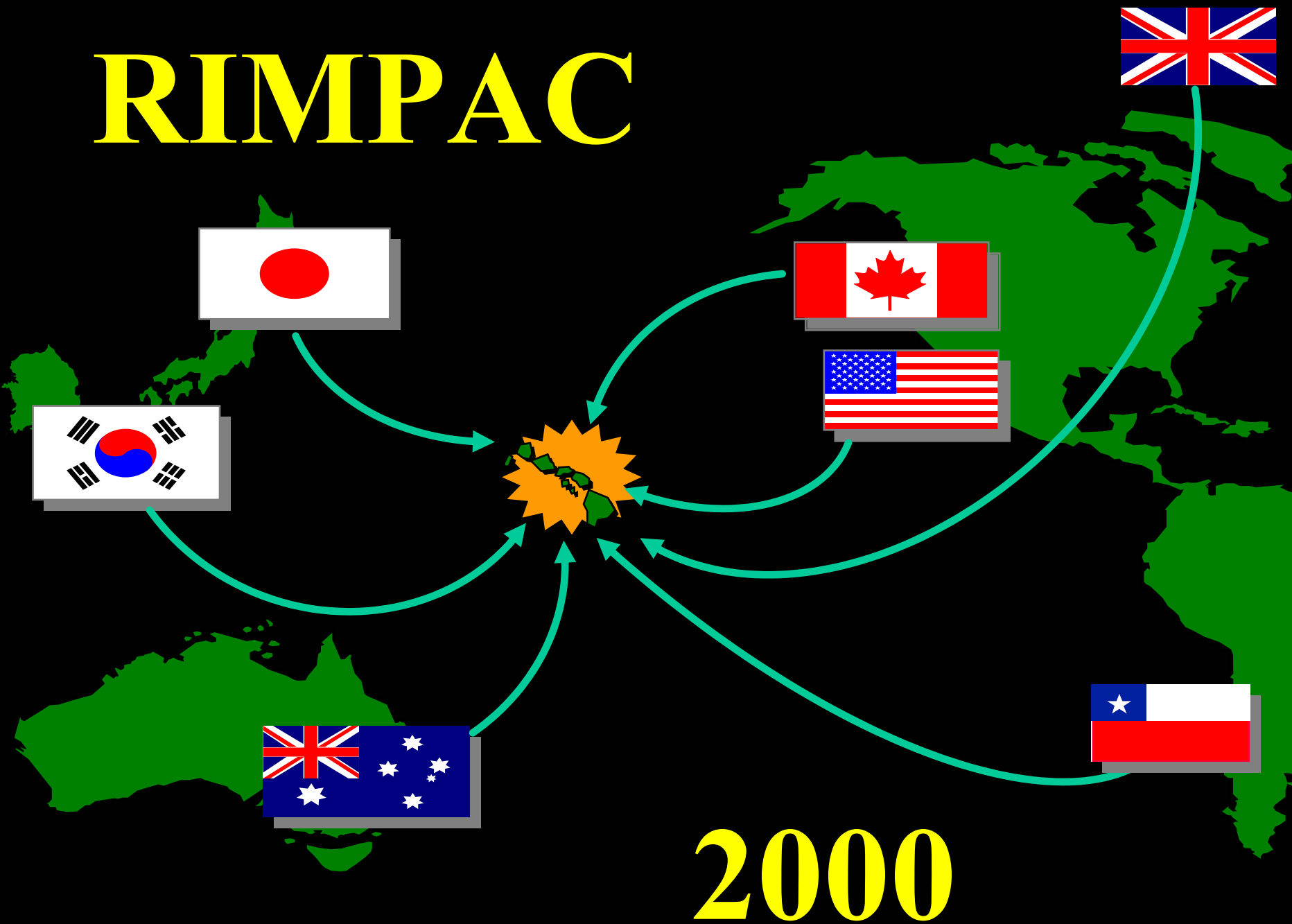
**Joint Tactics,
Techniques, and Procedures
for Foreign Humanitarian
Assistance**



15 August 2001



RIMPAC



2000

Exercise Strong Angel

June-July 2000





A complex civil-military problem...



The 10-20-30 Document

Civil-Military Interaction Advice from Strong Angel

27 June 2000
Rim of the Pacific 2000
Eric Rasmussen, Fleet Surgeon

The summary thoughts below have been very liberally borrowed from smart people. Some are previously published, some are original statements from Strong Angel participants, and some are just our discussed and considered opinion of a productive way to do things. Few are innovative. In our research we found that lessons learned the hard way - if not integrated - tend to repeat themselves with no prompting. We've tried to capture a few here.

There are three general categories of civil-military interaction:

- conflict intervention,
- natural disaster response, and
- complex emergency support.

There are suggestions for each below.

10-20-30 Document

Ten Commandments:

- 1) The military should generally not be in overall charge. JTF Commander should be clearly subordinate to civilian authorities whenever possible. This:**
 - i) Sets a democratic process in place that's reassuring to the population served
 - ii) Sets expectations for the levels of responsibility
 - iii) Keeps the military footprint to an absolute minimum
 - (1) With a transition requirement apparent daily
 - iv) Allows some mission drift (a desirable flexibility) while minimizing mission creep
 - v) Maintains a coordinated Host Nation Support mandate
 - (1) Establish the scope of that mandate early and often
- 2) Technology cannot substitute for personal interaction**



VADM McGinn and General Shelton, CJCS
Strong Angel Outbrief, Joint Medical Center, Third Fleet
USS Coronado, San Diego, August 2000



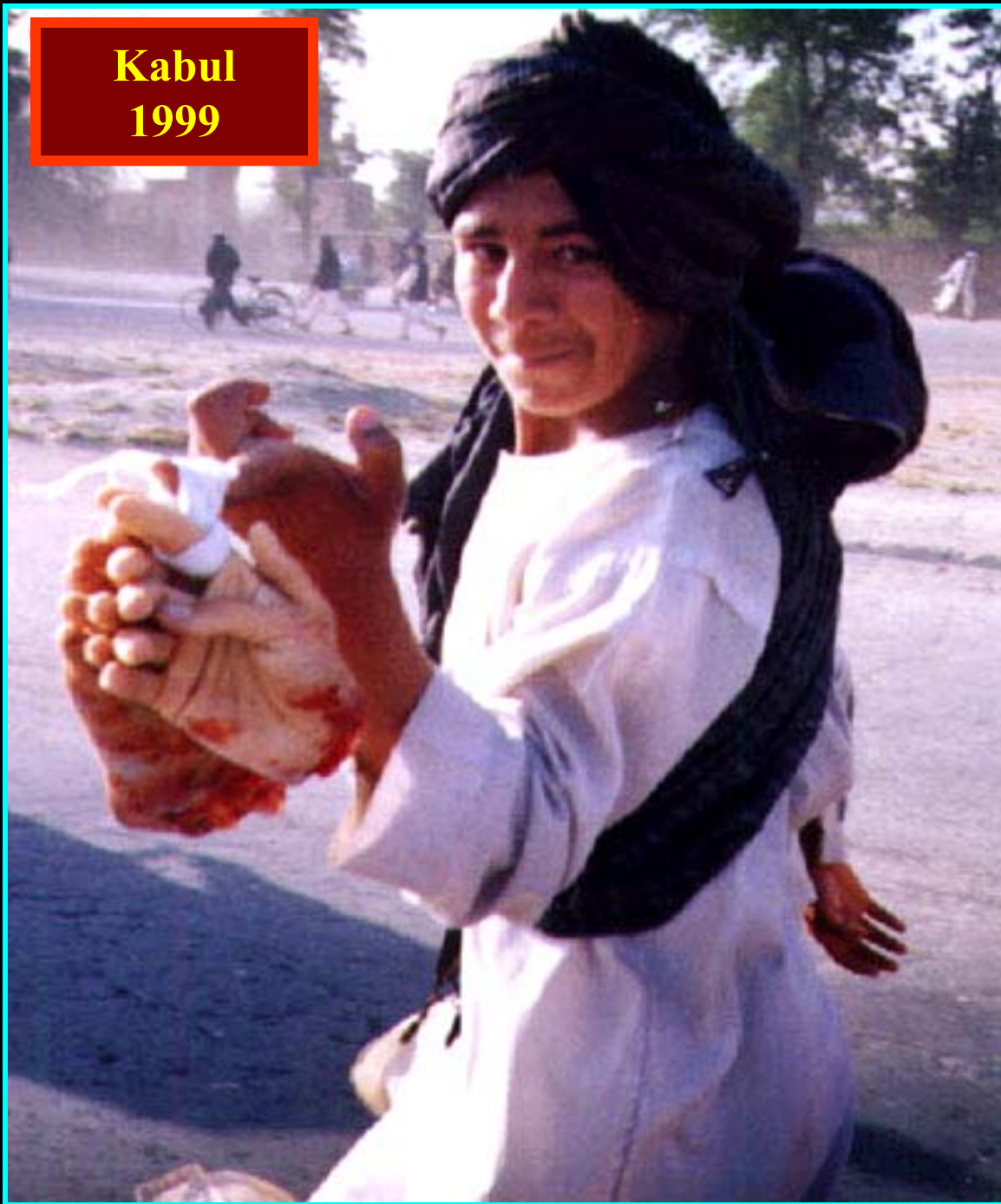
Personal relationships through civil-military exposure...

Into the war...

Commander Daniel Shanower
United States Navy
1954 - 2001



**Kabul
1999**



Sharia

Madrassas



Afghanistan, 1999

“Taliban recruit 300,000 in Jihad against the new Crusaders...”

23 September 2001



Collaboration...?



Humanitarian Operations Center



Leadership
challenges...



“The area of interest was perhaps more complicated than we first thought.”

-- COL John Graham, RAMC



Leadership examples in
Hamas and Hezbollah...

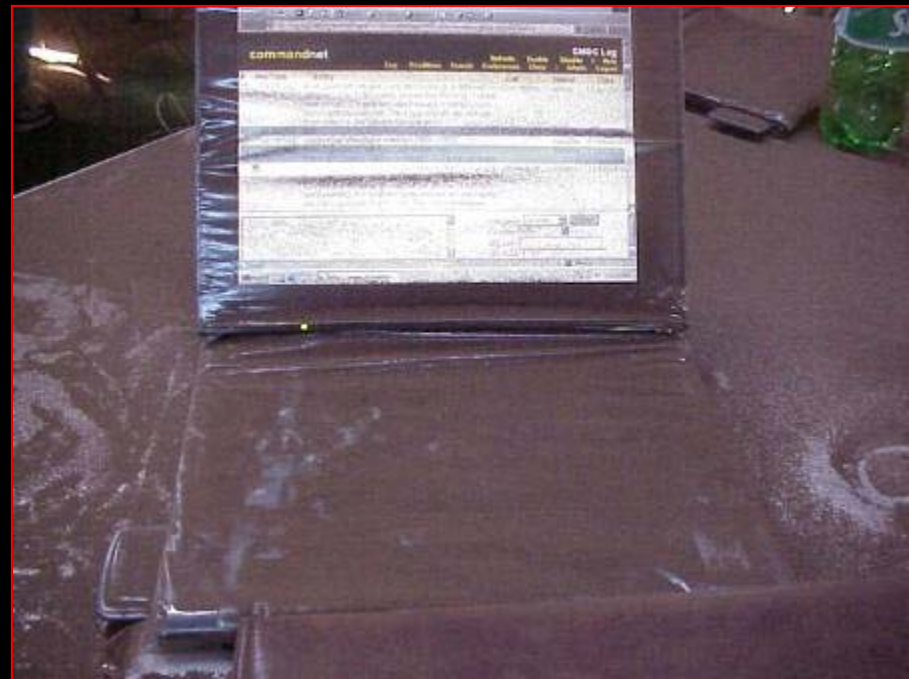
Saddam Hussein fell and clerics filled the void

The DAILY STAR (Lebanon), 07 Jun 04

Freed from state control, Iraqi religious authorities - drawing on their moral authority and extensive mass communication networks, and benefiting from the weakness of secular forces - quickly filled the political void created by the fall of Saddam Hussein's regime. A year later, these authorities remain the principal shapers of public opinion among most Iraqi Arabs.



The environment vs. effective work



Laptop from
LTC Susanna Roughton, RAMC
Physician-Epidemiologist
British Royal Army
Az Zubair, Iraq



05/12/03

Critical tools failed...



Deliberate efforts at infrastructure disruption



04/28/03



Basra General Hospital



Public Health Laboratory - Basra



Cholera outbreak

Basra, Iraq

May 2003







Clean water restoration



MERPI

Medical
Evacuation and
Repatriation
Program for
Iraq



Communication during Post-Conflict Reconstruction

Broad information accrual and dissemination

Unconventional partners

Unusual requirements

We need more resilient tools.



Comms

- 1. UHF
- 2. VHF
- 3. HF
- 4. SATPHONE
- X. PA system

Iraq Public Infrastructure and Humanitarian Assistance Report

No. 8, 22 APRIL 2003

HEALTH INFRASTRUCTURE:

BAGHDAD:

- **Al Rashid hospital** was reported to have been burned and looted. Some 700 patients who left have not returned. "These people, with injuries, infections and other trauma, are extremely vulnerable, and in need of medical assistance," WHO warned. "This situation tragically underscores the need and obligation for the occupying forces to ensure civil order and security, including the security for hospitals and other medical facilities." (ARABIC NEWS, 21 APR)
- **Al-Yarmouk Hospital:** The over 700-bed Yarmouk hospital has been partially looted, and only about 10 per cent of the staff are still working there. (ARABIC NEWS, 21 APR)
- **Ibn Al Hithem ophthalmology Teaching Hospital**, with 400 beds, is in "good shape," having been spared the looting. (ARABIC NEWS, 21 APR)
- **Ibn Al Nafis Vascular and Cardiac hospital**, with 170 beds, is one of the few that is still functional. Surgeons from other hospitals which were damaged or looted are lending a hand at Ibn Al Nafis. Although the facility seems to be secure, hygiene there is reported to be very poor. (ARABIC NEWS, 21 APR)

NORTHERN IRAQ:

- WHO also found that 50-70 per cent of health services are functional in **Mosul**, where looting has not been as severe as in other centres. "There are many people in need of health care, however, including many casualties from the conflict," the agency warned, urging funding for health services throughout Iraq. (ARABIC NEWS, 21 APR)
- The KDP [Kurdistan Democratic Party] and the coalition forces assumed the responsibility of protecting hospitals' equipment of **Kirkuk** and did not allow hospitals to be looted. From the first day of liberation, all the hospitals of Kirkuk have been providing health services to the people of the city. The main problem of lack of medicines, doctors and ambulances has now been settled. **Kirkuk General Hospital** discharges 300 patients per day; and since the day of liberation, 200 major surgery operations and 500 minor surgery operations have been carried out. (BRAYATI, 19 APR)

POWER INFRASTRUCTURE

BAGHDAD:

- Electricity has been restored to parts of Baghdad after being cut for more than two weeks, and engineers were working furiously Monday to restore power to the rest of the city amid growing anger over the lack of basic services in the capital, military officials said. (ARAB TIMES, 21 APR)

Information is often in other languages...

Morning Brief

Humanitarian Operations Center

Kuwait City

24 March 03

Cluster Munitions

- Safety is a great concern
- Munitions, weather, and local terrain affect distribution pattern
- Not all submunitions explode as planned
- Safety areas conservative, but may not be all inclusive


Mercy Corps



ERIC RASMUSSEN
Country Director, Malawi

03/24/03

Andrew Duncan
International Medical Corps

RAPID ASSESSMENT FORM (Section 1)

Date completed (dd/mm/yy) _____

Date of visit: 1.1 (dd/mm/yy) _____ 1.2 Surveyor's Name: _____ 1.3 Organization: _____
 1.4 Is this an Area or a Site? Area Site 1.5 Source: _____ 1.6 Reliability: Low Med High

CHOOSE EITHER RURAL OR URBAN:

RURAL LOCATION 2.1 Settlement Type: Permanent Seasonal / Nomadic Camp The place is new since 01/01/2003

2.2 Village Name: _____ 2.3 P-Code: _____
 2.4 District: _____ 2.5 Governorate: _____

2.6 Latitude: _____ 2.7 Determined Using: GPS
 2.8 Longitude: _____ Map If so, map name and source: _____

2.9 Other Coordinates: _____
 Type: _____

*GPS data is superior to the device setting. The UK Geographic Information Working Group recommends collecting latitude and longitude in decimal degree, WGS84 datum. Any different setting should be reported in the form to allow conversion.

LOCAL LEADERSHIP Position, Name, Address: _____

URBAN LOCATION

2.2 Town Name: _____ 2.3 P-Code: _____
 2.4 District: _____ 2.5 Governorate: _____

2.6 Latitude: _____ 2.7 Determined Using: GPS
 2.8 Longitude: _____ Map If so, map name: _____

*GPS data is superior to the device setting. The UK Geographic Information Working Group recommends collecting latitude and longitude in decimal degree, WGS84 datum. Any different setting should be reported in the form to allow conversion.

2.9 Cities / towns are normally subdivided into distinct sections. If subdivided, what are these sections called:

List the section names below: _____ Please provide coordinates to the physical center of the section:
 a1 _____ a1 Latitude: _____ a1 Longitude: _____
 a2 _____ a2 Latitude: _____ a2 Longitude: _____
 a3 _____ a3 Latitude: _____ a3 Longitude: _____
 a4 _____ a4 Latitude: _____ a4 Longitude: _____
 a5 _____ a5 Latitude: _____ a5 Longitude: _____
 a6 _____ a6 Latitude: _____ a6 Longitude: _____

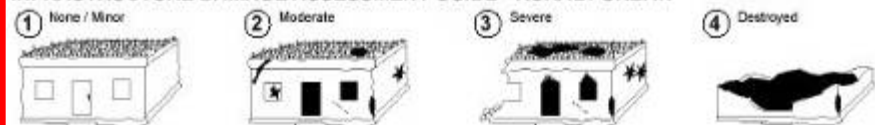
** If additional space is needed, attached more as necessary

CITY ADMINISTRATION / LOCAL LEADERSHIP

Contact details for key departments (names / addresses): _____ 2.10 Is the city administration still functioning? YES NO

City Administrator: _____ 2.11
 Water / Sewer: _____ 2.12
 Public Works: _____ 2.13
 Health: _____ 2.14
 Education: _____ 2.15
 Police: _____ 2.16

INFRASTRUCTURE DAMAGE ASSESSMENT GUIDE - RURAL / URBAN



GENERAL COMMENTS

RAPID ASSESSMENT FORM (Section 2)

Date completed (dd/mm/yy) _____

Use this form for individual villages or urban sections/subdivisions (Depending on selection from Section 1)

Date of visit: 1.1 (dd/mm/yy) _____ 1.2 Surveyor's Name: _____ 1.3 Organization: _____
 2.2 Town / Village Name: _____ 2.3 P-Code: _____
 2.3a Section Name (for URBAN areas): _____
 2.4 District: _____ 2.5 Governorate: _____

POPULATION

Estimated Population: _____ Estimated IDPs at this location: _____
 Current: 4.1 _____ 01/01/03: 4.2 _____

If number of displaced persons is unknown, enter the rough percentage of the total population.

Optional population data:
 Estimated number of Female Headed Households: 4.3 _____
 Estimated number of children under age 5: 4.4 _____
 Estimated number of children without caregivers: 4.5 _____

4.6 If population increased: Why: _____

4.7 If population decreased: Why: _____

SANITATION

5.1 Evidence of sewage in the streets? YES NO
 5.2 Evidence of human waste? YES NO
 5.3 If YES, rate the smell: STRONG WEAK
 5.4 Evidence of garbage piling up in the street? YES NO

SHELTER

6.1 Estimated Total Number of Dwelling Units* (DU): _____

* dwelling unit refers to space normally occupied by a single family as a stand alone residence or apartment in multi-unit structures.

6.2 Estimate Damage Using Infrastructure Damage Assessment Guide (from Section 1)

Estimated Damaged DUs (in %)	Estimated Number of Damaged DUs	All Buildings: Predominate Building Material	
		5.3 Type	5.4 %
Class 1 (minor)	a1	a	a
Class 2 (moderate)	b1	b	b
Class 3 (severe)	c1	c	c
Class 4 (destroyed)	d1	d	d

SAFE WATER

Safe water is defined by a piped water supply from a protected or a treated source or a cased well with a hand pump, or a piped system with stand posts from a protected spring.

	Current Percentage of Household Using	01/01/03 percentage of Household Using	Perceived Quantity Adequate / Inadequate	Perceived Quality Good / Bad	Hours per day
Private Wells: 7.1	a	b	a	a	a
Public Wells: 7.2	a	b	a	a	a
Piped Systems: 7.3	a	b	a	a	a
Supplied by Water Tanker / Truck: 7.4	a	b	a	a	a
Open / Broken Pipe: 7.5	a	b	a	a	a
Unprotected Springs / Rivers: 7.6	a	b	a	a	a
Other: 7.7	a	b	a	a	a

HEALTH

Available Resources

Name of Facility 8.1	Type: COMMUNITY (non-clinical)	Ownership: PUBLIC (GOVERNMENT)	Current Operating Status: FULLY OPERATIONAL	Current Number of Doctors	Current Number of Nurses	Average Number of Patients per month	Access to Essential Drugs: YES or NO	Subsided Money / USD \$50 or >	Damage Class 1-4
a1	a1	a1	a1	a1	a1	a1	a1	a1	a1
a2	a2	a2	a2	a2	a2	a2	a2	a2	a2
a3	a3	a3	a3	a3	a3	a3	a3	a3	a3
a4	a4	a4	a4	a4	a4	a4	a4	a4	a4

Total Number of other trained health workers (i.e. CHW, TBA) _____ 8.2 If no services, give location people go for health care: _____ 8.3

NUTRITION

Number Open _____ Number Closed _____ HPB/Th. Milk Available: YES or NO _____ Number Trained Staff / Volunteers Available _____ Number of Weighing Scales Available _____

Inter-Agency Rapid Assessment Form

INTERAGENCY RAPID ASSESSMENT

MAIN

Save to a file

1.0 Date completed (dd/mm/yy) 1.3 Organization
1.1 Date of visit (dd/mm/yy) 1.5 Source
1.2 Surveyor's Name 1.6 Reliability a Low b Med c High
1.4 Is this an Area or a Site? a Area b Site

CHOOSE EITHER RURAL OR URBAN:

RURAL LOCATION

2.1 Settlement Type a Permanent b Seasonal / Nomadic c Camp d New since 01/01/2003
2.2 Village Name 2.3 P-Code
2.4 District 2.6 Latitude
2.5 Governorate 2.8 Longitude
2.7 Determined using a GPS b Map (map name and source 2.11)
2.9 Other coordinates 2.10 Type
2.12 LOCAL LEADERSHIP
Position, Name, Address:

URBAN LOCATION

2.2 Town Name 2.3 P-Code
2.4 District 2.6 Latitude
2.5 Governorate 2.8 Longitude
2.7 Determined using a GPS b Map (map name 2.17)
2.9 Cities / towns are normally subdivided into distinct sections. If Subdivided, what are these sections called?
List the section names below Please provide coordinates to the physical center of the section
a1 b1 Latitude c1 Longitude
a2 b2 Latitude c2 Longitude
a3 b3 Latitude c3 Longitude
a4 b4 Latitude c4 Longitude
a5 b5 Latitude c5 Longitude
a6 b6 Latitude c6 Longitude

CITY ADMINISTRATION / LOCAL LEADERSHIP 2.10 Is city administration still functioning? Yes No
Contact details for key departments (names / addresses)
2.11 City Administrator
2.12 Water / Sewer
2.13 Public Works

Implemented despite...

- No military in the design
- No staff
- No training logistics
- No authority
- No funding
- No communications
- No civ-mil network
- And yet no other option.

Date Of Visit	Date Completed	Village Name	Town Name	Organization	Surveyor's Name	Entered By	Created (System)
27/03/03	28/03/03		Talli Air Base	30 Med Bde	Maj Bird	308 CA CMOC-1	3/28/03 11:49 AM
30/03/03	30/03/03		Az Zubayr Hospital	RAMC	Susanna Roughton, MD	Eric Rasmussen	3/31/03 10:43 AM
27/03/03	31/03/03		Umm Qasr	USAID-DART	DART Multi-sector	Eric Rasmussen	3/31/03 9:39 PM
31/03/03	02/04/03		Basra (airport only)	DART	Steve Catlin, Joe Hughart	Eric Rasmussen	4/2/03 8:27 PM
04/04/03	05/04/03		Umm Qasr	DART	DART Update	Eric Rasmussen	4/5/03 10:30 PM
03/04/03	03/04/03		Safwan	MSF		Eric Rasmussen	4/6/03 6:23 PM
03/04/03	03/04/03		Umm Kayyal	MSF		Eric Rasmussen	4/6/03 6:23 PM
03/04/03	04/04/03		Az Zubar	International Medical Corps	IMC Rapid Assessment Team	Eric Rasmussen	4/6/03 10:45 PM
07/04/03	08/04/03		An Najaf	US Army Civil Affairs		Eric Rasmussen	4/8/03 1:13 PM
07/04/03	09/04/03		Umm Qasr (Port)	USMC Civil Affairs		Eric Rasmussen	4/9/03 11:46 PM
07/04/03	07/04/03		Ash Shumal	USMC Civil Affairs		Eric Rasmussen	4/9/03 11:48 PM
08/04/03	08/04/03		Umm Hagid	USMC Civil Affairs		Eric Rasmussen	4/9/03 11:54 PM
07/04/03	07/04/03		Al Nasriyah	USMC Civil Affairs		Eric Rasmussen	4/9/03 11:58 PM
04/04/03	03/04/03		Safwan	USMC Civil Affairs		Eric Rasmussen	4/10/03 12:03 AM
08/04/03	08/04/03		Karbala	US Army Civil Affairs	MAJ Joe Bird	Eric Rasmussen	4/10/03 10:52 AM
05/04/03	10/04/03		An Najaf Hospital	US Army Civil Affairs		Eric Rasmussen	4/10/03 10:58 AM
09/04/03	10/04/03	Um Qasr	Um Qasr	DART	Jean Geran	Natasha Coxen	4/10/03 2:08 PM
08/04/03	10/04/03		Karbala Central General Hospital	US Army Civil Affairs	team	Eric Rasmussen	4/11/03 10:44 PM
02/04/03	04/04/03		Umm Qasr Port Evaluation	US Army Civil Affairs		Eric Rasmussen	4/11/03 11:01 PM
02/04/03	04/04/03		Umm Qasr Port Rehab Suggestions	US Army Civil Affairs		Eric Rasmussen	4/11/03 11:06 PM
02/04/03	10/04/03		Basra - Maysan electrical loss	NIMA		Eric Rasmussen	4/12/03 1:12 AM
09/04/03	10/04/03		An Nadiyah Engineering site survey	US Army Civil Affairs		Eric Rasmussen	4/12/03 1:16 AM
11/04/03	11/04/03	between Nasriya and Najaf	Samawa water assessment	411 CA BN TM 2-1	SPC O'Mahoney	Eric Rasmussen	4/12/03 4:19 PM
10/04/03	11/04/03		Samawa hospital - brief	411 CA BN TM 2-1	CPT Little	Eric Rasmussen	4/12/03 4:19 PM
11/04/03	10/04/03	just south of Baghdad	Al Mahmediya Hospital	US Army Civil Affairs		Eric Rasmussen	4/12/03 4:27 PM
05/04/03	07/04/03		Umm Qasr update	DART		Eric Rasmussen	4/12/03 4:55 PM
10/04/03	11/04/03		Iskenderia	US Army Civil Affairs	MAJ Kenneth King	Eric Rasmussen	4/12/03 5:00 PM

- Invite
- Active
- Eric Rasmuss...
 - Groove File S...
 - john.hentschel
 - Kirkpatrick, R...
- Online
- 308 CA Bde ...
 - 352 CA PHT
 - Backup Service
 - Black, CPT Jo...
 - Curlin, Leslie...
 - DART-3
 - David Gadsd...
 - Gay Mathew...
 - igor-jankovic
 - Jeff Seirwill...
 - Jim Fikes
 - Lawrence, P...
 - Mike Dillebough
 - Regina Davis
- Not Online
- INEF-402CA-1
 - 30 Med Bde
 - 308 CA Bde ...
 - 308 CA Bde G-3
 - 308 CA CMO...
 - 308CA-G3
 - 308th CA Bd...
 - 308th CA Bd...
 - 352CA-1
 - 354 CA Bde ...
 - 354 CA Bde ...
 - 354 CA Bde ...
 - 354 CA Bde ...

Conversation

Hold-to-Talk

Show Chat (1)

Navigate Together

INTERAGENCY RAPID ASSESSMENT

MAIN

1.0 Date completed (dd/mm/yy) 1.3 Organization

1.1 Date of visit (dd/mm/yy) 1.5 Source

1.2 Surveyor's Name 1.6 Reliability a Low b Med c High

1.4 Is this an Area or a Site? a Area b Site

Distributed peer-to-peer collaboration

CHOOSE EITHER RURAL OR URBAN:
RURAL | LOCATION

This was created in response to assessed needs, crafted to precisely defined requirements that altered frequently during the war.

“Distributed collaboration inside CENTCOM won the war”

Statement from CENTCOM and the Army Lessons Learned Lab

Quoted by an OSD official, 11 July 03

- Secure file encryption at 192-bit threshold
- Voice-Over-Internet (encrypted)
- Bandwidth optimized
- Alerting cues
- Import-Export as XML with any database
- Web download for free if needed
- Adaptive architecture (instantly flexible)
- Transparent – all organizations
- Distance learning (and teaching)
- Remote presentations
- Reference library of pubs and docs
- ~~Logistics delivery calendar~~
- Peer-to-peer, so no ownership
- ~~Instant Messaging (encrypted)~~
- Secure chat (encrypted)
- Annotated maps
- Annotated satellite photos
- Who’s available, instantly
- Immediate feedback on comms
- Sends only binary changes



03/17/03

Camp Arifjan, Kuwait

Based on our growing body of experience, we need:

- Reliable, robust, flexible, simple, inexpensive, shareable, peer-to-peer, securable, collaborative, wireless voice and data over the internet at decent bandwidth in any location in the world on short notice for all players immediately...
- And experts available 24x7 for discussion...
- And a resilient power source to run it all....

Or our leadership responsibilities will not be met.

Whining
constructively...

Saddam Hussein fell and clerics filled the void

The DAILY STAR (Lebanon), 07 Jun 04

Freed from state control, Iraqi religious authorities - drawing on their moral authority and extensive mass communication networks, and benefiting from the weakness of secular forces - quickly filled the political void created by the fall of Saddam Hussein's regime. A year later, these authorities remain the principal shapers of public opinion among most Iraqi Arabs.

Kona, Hawaii
17-22 July 2004

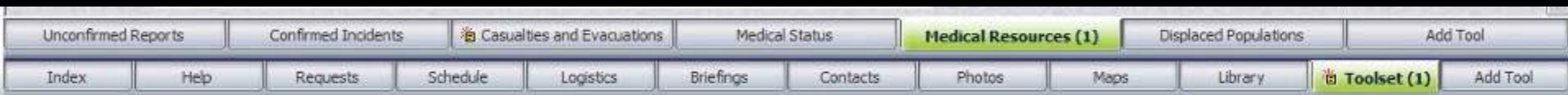
"Design and implement a far-forward capacity for rapid and appropriate humanitarian information management from global resources within and across civil-military boundaries."

Tasking: The Office of the Secretary of Defense

Principle Investigator: CDR Eric Rasmussen, MC, USN

Exercise Integration: RIMPAC 2004, Third Fleet, US Navy

- Electron flow
- Exemplary worksites
- Translation resources
- Educational assets inherent
- Communication with those served
- Tools sharable with non-mil partners
- GIS understanding of the environment
- Collaborative Civil-Military logistics support
- Collaborative reachback to retained experts



Tools :

- Relief plan tracking
- Logistics delivery schedule
- Professional Contact rolodex
- Maps, images, and GIS overlays
- Briefing documents and presentations
- Rumor reporting and incident tracking
- Emergency Alerting System (J-2 at CPA)
- Field requests for humanitarian assistance
- Library of policies, publications, and agreements



www.strongangel.telascience.org

g

- home
- news
- members
- calendar

you are not

you are here: home

navigation

- Home
- Images
- BLOG
- Presentations
- 10-20-30
- Technologies
- Organizations
- History
- Tasks
- Web Tools
- Contact us
- Software
- Lessons learned
- External links

Strong Angel II: 17-22 July, Kona, Hawaii



CRITICAL INFORMATION MANAGEMENT WITHIN AUSTERE ENVIRONMENTS

Overview: Strong Angel II is the name of a capabilities demonstration to be held in July 2004 near Kona, Hawaii. The event is designed to encourage the development and evaluation of tools designed for humanitarian information collection and use within an austere environment. We're particularly interested in proposed solutions that cross the civil-military boundary gracefully and reliably during a post-conflict reconstruction.

Within the five days of the demonstration we will pursue problem identification, proposed solution development, a site demonstration, user interaction and opinion, and a rapid evaluation of our successes and failures. We'll then document, to the limits of our resources, what we found and make it all available here.

Background: Months in Iraq supporting humanitarian operations across the civil-military boundary revealed shortcomings in capabilities for which there seemed to be both an obvious and persistent need and some readily available answers. Despite significant efforts on the part of many involved, a large percentage of those shortcomings persisted well after the war, and some remain to this day.

This demonstration will address a few of those issues present in Iraq during April of 2003 by establishing a humanitarian informatics site in a remote and austere environment within the Rim of the Pacific 2004 Operations Area during July of 2004. Within that collaborative civil-military site we will demonstrate capabilities within the following topic areas:

Problems to address:

1. Demonstration of Machine-Translation tools in Arabic
2. Demonstration of collaborative tools appropriate for civil-military support
3. Demonstration of remote communications capabilities appropriate for both civilian and military use within an austere environment
4. Demonstrate a proposed Information Zone capability
5. Demonstrate Logistics support through collaborative tools defined for Iraq
6. Demonstrate iterative Humanitarian Assessment collection and analysis on world standard indicators
7. Demonstrate simultaneous and collaborative GIS functionality across three (or "n") nations.
8. Demonstrate open-source application effectiveness for micro-entrepreneurship.

log in

Name

rasmussene

Password

log in

Forgot your password?

New user?

news

Strong Angel Linux distro

2004-06-11

83 tasks, small team (including the New York Times)

Translation:

1. Three topics will be chosen by 10am daily from Arabic and Chinese current events and evaluated using TIDES-developed technologies (eTAP-XL and MiTAP) by TIDES World Press Reports (TWPR), then presented as a newsletter each evening by 6 PM. (Scored by DARPA for cost / benefit analysis, and the critical value of the reports)
2. Daily evaluation of two relevant video clips in translation from the eTAP-XL Video Monitoring System. The translated clips will be reviewed for utility by a CPA translator, a native speaker, and the NVTC, to be completed by 5pm. (Scored for response time, and ability to meet specific the translation needs of site users)
3. Submission of two daily items in Arabic from the al Jazeera live-feed on-site to a native speaker/cultural advisor (NS-CA) and to the National Virtual Translation Center (NVTC) for content and meaning. (NVTC scored on comparison to NS/CA as a gold standard and for turnaround time)
4. Publication from the SA site of an electronic DARPA Tides Iraq Reconstruction Report daily, and a DARPA-TIDES Global Threat Update at least once, during the period 17-22 July.
5. Demonstrate daily use of a multi-lingual, pre-recorded, speech-cued, phrase-based and hand-held interview system. The system will be used by non-specialists for humanitarian assessment interviews in Portuguese, Russian, Arabic, Pashto, Dari, and Tagalog (Scored for ease of use, ability to start and complete tasks, and the task completion time)
6. Use of Arabic / English two-way, real-time, secure, multi-lingual chat capability, with both text and video, used on a daily basis. (Scored for an ability to discover and communicate critical specific information, clarification of dialog, and ease-of-use)

Collaboration:

7. Collect two HA forms into a Zope database daily 17-22 July using paper to HTML to Groove with smart pulling of the appropriate Zope/Plone site, all through the SA site. Confirm automatic distributed receipt in the mainland US, the UK, Italy, and Baghdad, both civil society and military.
8. Collect two different HA forms into a Zope/Plone database using paper to browser form, to Zope/Plone, with smart pulling of the appropriate Groove workspace, all through the SA site. Confirm automatic distributed receipt in the mainland US, the UK, Italy, and Baghdad, both civil society and military.
9. Push and pull both photos and videos using an HP iPaq PocketPC and Groove File Sharing. Confirm automatic distributed receipt in the mainland US, the UK, Italy, and Baghdad, both civil society and military.
10. Confirm conversation with two US military, two international military, two civil-society, and two unrelated civilians each day from the SA site.
11. From the SA site pose questions, and receive answers, from three remote specialists each day 17-22 July. Questions should be multi-modal with text, audio, and images incorporated as appropriate.

▲	Category	Task Name	Owner	Status	Disposition	Proposed Start	Proposed End	Actual Start	Actual End
1	Translation	Daily eTAP-Arabic Newsletter	Sears, Allen	Under Development	Undetermined	7/16/04	7/22/04		
2	Translation	Video translations	Sears, Allen	Under Development	Undetermined				
3	Translation	NVTC al Jazeera translations	Sears, Allen	Under Development	Undetermined				
4	Translation	DARPA-TIDES Iraq Reconstruction Report (D-TIRR)	Sears, Allen	Under Development	Undetermined	7/17/04	7/22/04		
5	Translation	Phraselator	Sears, Allen	Under Development	Undetermined				
6	Translation	Multilingual Groove Chat	Sears, Allen	Under Development	Undetermined				
7	Collaboration	Groove to Zope to browser	Graham, John	Under Development	Undetermined				
8	Collaboration	Browser to Zope to Groove	Graham, John	Under Development	Undetermined				
9	Collaboration	IPaq to Groove to Baghdad	Graham, John	Under Development	Undetermined				
10	Collaboration	Civil-Military conversation	Kirkpatrick, Robert	Under Development	Undetermined				
11	Collaboration	Multi-modal reachback to experts	Rasmussen, Eric	Under Development	Undetermined				
12	Collaboration	Reachback through VOIP	Graham, John	Under Development	Undetermined				
13	Collaboration	Secure video	Graham, John	Under Development	Undetermined				
14	Collaboration	Collaborative GIS	Graham, John	Under Development	Undetermined				
15	Collaboration	Collaborative Event Recording	Rasmussen, Eric	Under Development	Undetermined				
16	Collaboration	Global current events repository	Rasmussen, Eric	Under Development	Undetermined				
17	Collaboration	Collaborative reference file	Rasmussen, Eric	Under Development	Undetermined				

Strong Angel II Task

Summary | Plan | Requirements | Results | Analysis | Links & Attachments | Record History

Task Number: 6
Status: Under Development

Category: Translation
Owner: Sears, Allen

Task Name: Multilingual Groove Chat

Description: Use of Arabic / English two-way, real-time, secure, multi-lingual chat capability, with both text and video, used on a daily basis. (Performance will be scored for an ability to discover and communicate critical specific information, clarification of dialog, and ease-of-use)

Background: In 2002, the MITRE Corporation released TRiM (Translingual Instant Messaging), a tool that translates conversations by producing two windows- one with the conversation in the original language, and the other in the language of choice of the user. For Strong Angel II, MITRE has ported TRiM to the Groove platform, naming the prototype Groove Coalition Chat, under the working assumption that a later version of the tool could be operationalized in support of Coalition Forces in Iraq and Afghanistan. This provides an instant, multilingual chat tool capable of real-time communication that transcends language barriers.

Rapid humanitarian assessments...now in Sudan with UNJLC

RAF

Update Save and Create Another Revert Cancel Print

Rapid Assessment

Main Location Population Infrastructure Health Care Threats Assistance

Settlement Type* Permanent

Name* Ash Shinafiya

P-Code iq0400019

Latitude (DMS) 31 34 00 North

Latitude (Decimal) 31.567 North

Administrative Region Qadissiya

Longitude (DMS) 44 38 00 East

Longitude (Decimal) 44.633 East

Source GPS

Other Coordinates

Intersection of the west side of the Euphrates Bridge with Hwy 4

Coordinate Source sat photos

Local Leaders (position, name, location, language)

Ismael Abdullah Makier, mayor (adult son speaks English)

Abdul Ibn Hasaan (Imam)

Further Assessment Required?

Assessment Needed (ctrl for multi)

- Engineering
- Water/Sanitation
- Health
- Nutrition
- Human Rights
- EOD
- Transportation

Accessible By Road?* Yes

Comments on Location

Important market town, major intersection, dominant Shia, heavily persecuted. Some marsh arab migration from the central and western marshes, but pretty assimilated.

Reconstruction indicators:

Short-to-Medium Term Indicators for Post-Conflict Reconstruction

Lynn L Amowitz MD, MSPH, MSc
Director, Research
International Medical Corps

Director, Initiative in Global Women's Health
Division of Women's Health, Brigham and Women's Hospital
Instructor in Medicine, Harvard Medical School
lamowitz@rics.bwh.harvard.edu

Population and Demographics¹

(92 Indicators in 18 categories)

- **OSD** (Office of the Secretary of Defence)
- **DARPA** (Defence Advanced Research Projects Agency)
- **DHS** (Department of Homeland Security)

- **ARC** (American Red Cross)
- **BBN** (Bolt, Baranec, and Newman)
- **Buckminster Fuller Institute**
- **CENTCOM** (US Central Command)
- **Coalition Provisional Authority (Baghdad)**
- **Engineers without Borders**
- **George Mason University**
- **Groove Networks**
- **International Medical Corps**
- **Italian Army** (Humanitarian Support Unit)
- **Mindtel** (Syracuse University)
- **MITRE Corporation** (Mass Inst Tech Res & Eng)
- **National Interagency Civil-Military Institute**
- **National Virtual Translation Center**
- **NATO**
- **New York Times**
- **Rocky Mountain Institute (Aspen)**
- **San Diego State University**

- **SPAWAR Systems Center**
 - **Third Fleet (US Navy)**
 - **TIDES World Press Reports (DARPA)**
 - **UK Foreign and Commonwealth Office**
 - **UK Royal Navy**
 - **United Nations Joint Logistics Center**
 - **USAID** (US Agency for International Development)
 - **US Army Civil Affairs** (352nd)
 - **US State Department**
 - **WFP** (World Food Programme)
-

National Representatives

- **Australia**
- **Denmark**
- **Djibouti**
- **Ethiopia**
- **Greece**
- **Japan**
- **Kenya**
- **Malaysia**
- **Romania**
- **Serbia and Montenegro**

The Edge is a secure, adaptive mesh architecture designed to achieve rapid multi-sector information flow and effective coordination

- across cultural, linguistic, civil-military and geographic boundaries
- among humanitarian actors, intervention forces, subject-matter experts and local community leaders
- in austere environments
- where disconnected far-forward users are the rule, rather than the exception.

- Anyone wishing to participate in (or contribute to) Strong Angel is welcome to do so.
- We're on the web at:
 - www.strongangel.telascience.org
- Contact me at:
 - EricRasmussen@carebridge.org
- Thanks very much for listening.

Questions?



An Najaf, Iraq
May 2003