OEM Emergency Communications

General Membership Meeting

26 August 2013

Agenda

- Welcome   Director
- New Business   Director
  – Election Results
  – OEMCOMM reorganization

- Team Leader's Vision   Leads
- OEM Comments   Jay Hand
- Closing Comments   K6QZL
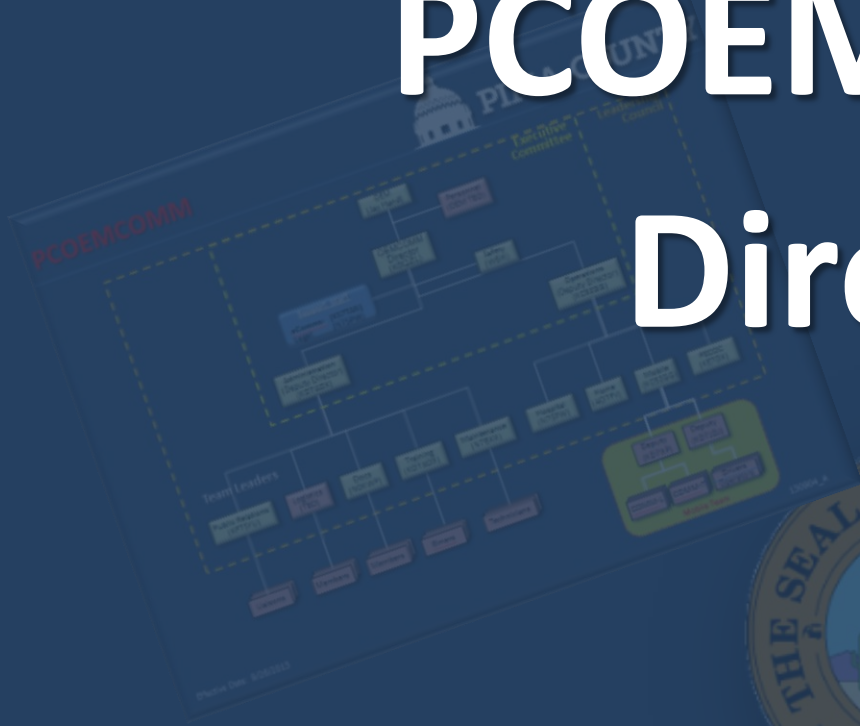- End on Time

Welcome

- Emergency Exits
  - Walk, don't run

- Restrooms
  - (Walk, don't run)

- Run Rules Tonight!
  - Robert's Rules of Order (loosely)
  - No personal attacks
  - Lessons learned – not history bashing
  - Problems + possible solutions (brainstorm)
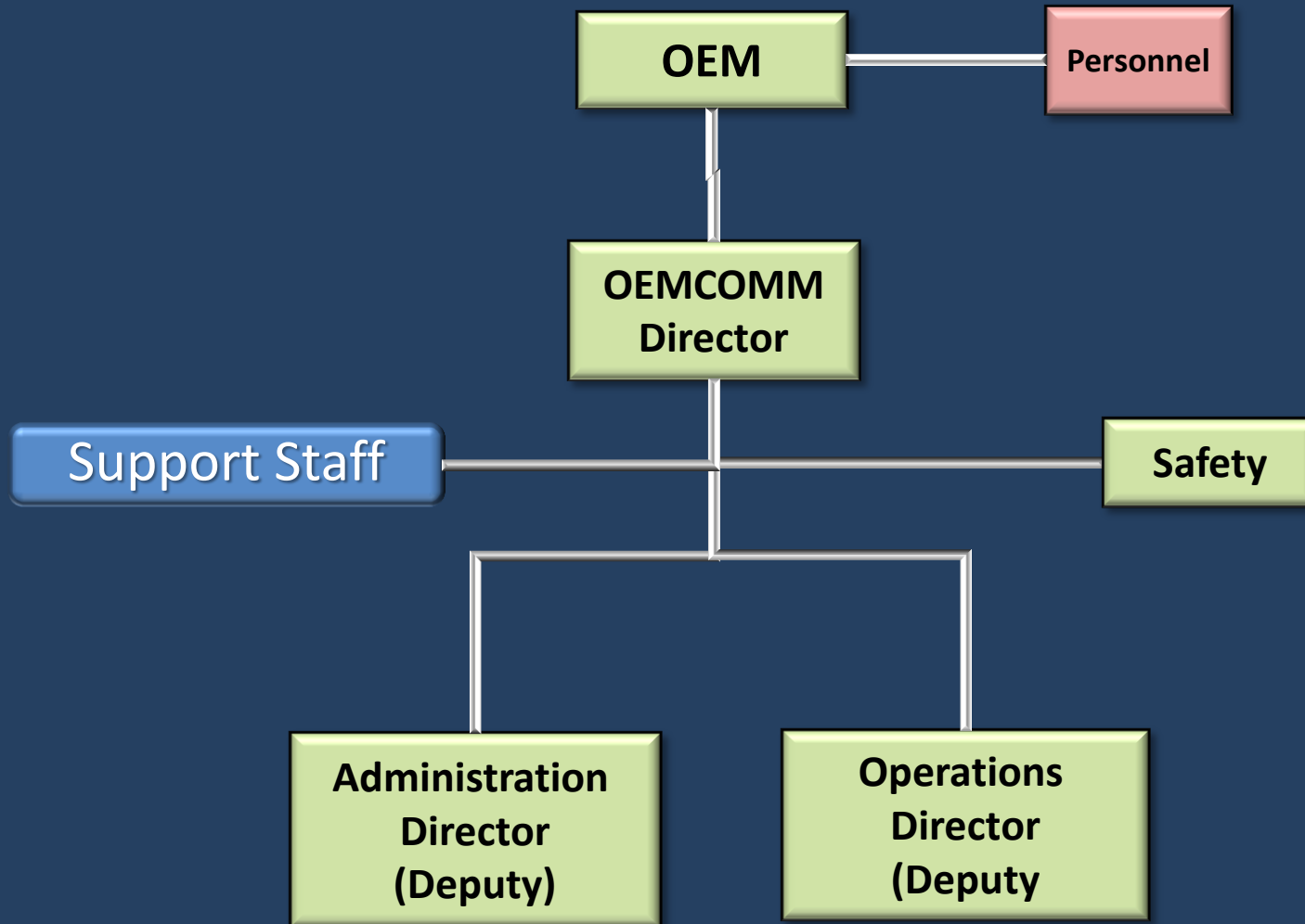 - Orations: *Give written copy to secretary first*

Elections

- Director — Dr. Don Cox (K6QZL)
- Mobile Operations — Greg Peters (KC5ZGG)
- Public Relations — Tim Brown (KF7SYU)
- Training — Scott Boone (KG7ADX)
- Base Ops. (PECOC) — Gary Keck (KE7DX)
- Home Unit — Ron Gross (AD7FV)
- Documentation — Frank Brady (N0KWP)
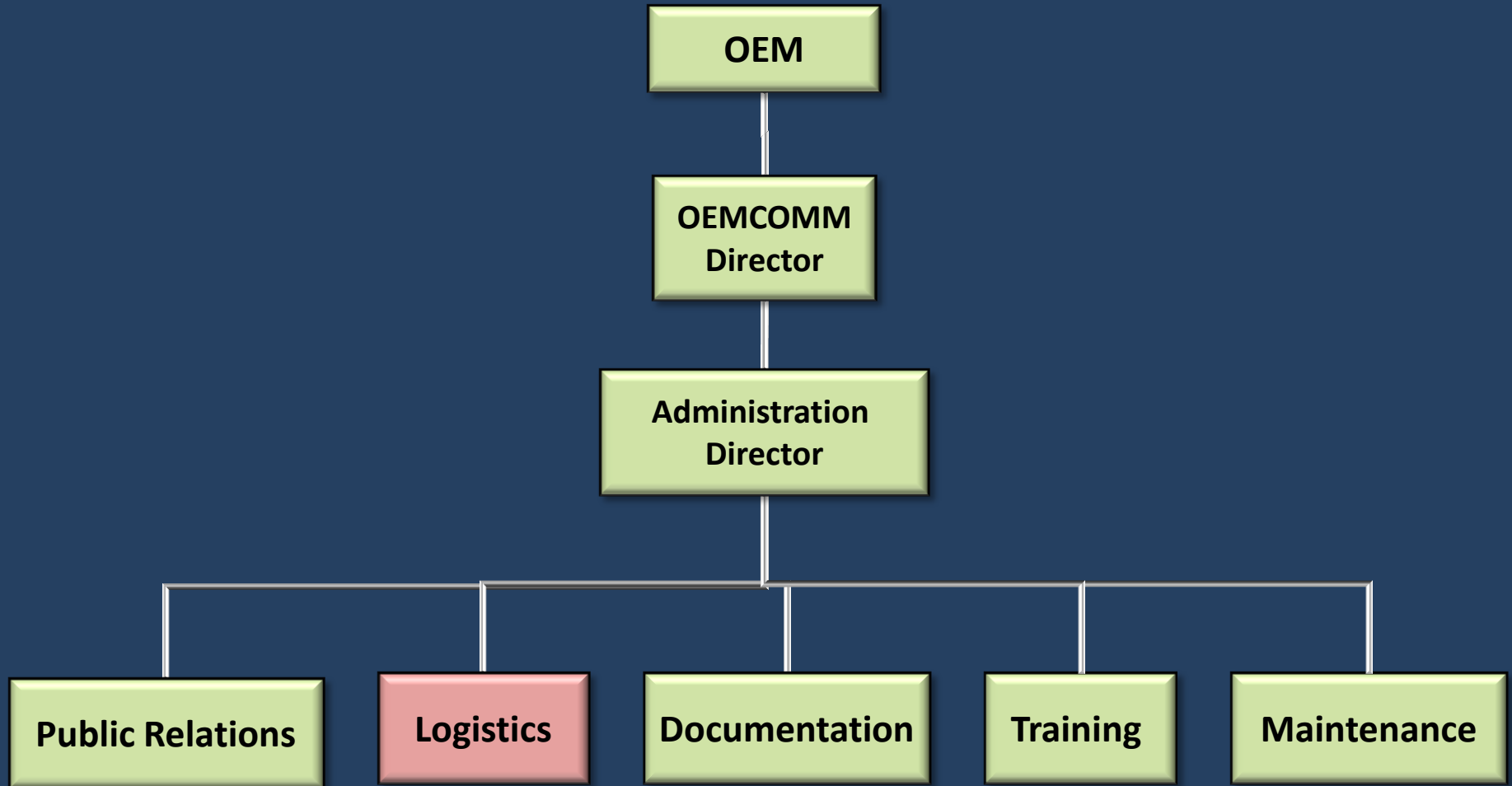
Executive Committee

- Pima County OEM   Mr. Jay Hand
- OEMCOMM
  - OEMCOMM Director   Don Cox   (K6QZL)
  - Administration Director   Scott Boone   (KG7ADX)
  - Operations Director   Greg Peters   (KC5ZGG)
  - Safety   Robert Campbell   (W6IK)

Support Staff

- eComms (web, etc.)   Stan Hemnett   (KS7TAN)
- Legal   Ron Kalish   (N7SPW)

PIMA COUNTY OEMCOMM

Administration Leaders

- Administration (Deputy)   Scott Boone   (KG7ADX)
- Public Relations Unit   Tim Brown   (KC5ZGG)
  - David Iadevaia   (KF7MZY)
  - Stan Hamnet   (KS7TAN)
- Logistics Unit   TBD
- Documentation Unit   Frank Brady   (N0KWP)
  - Dan Donnelly   (KC7VDA)
- Training Unit   Scott Boone   (KD7ADX)
  - Bob Molczan   (KA7VPR)
- Maintenance Unit   Gail Peterson   (N7BXX)
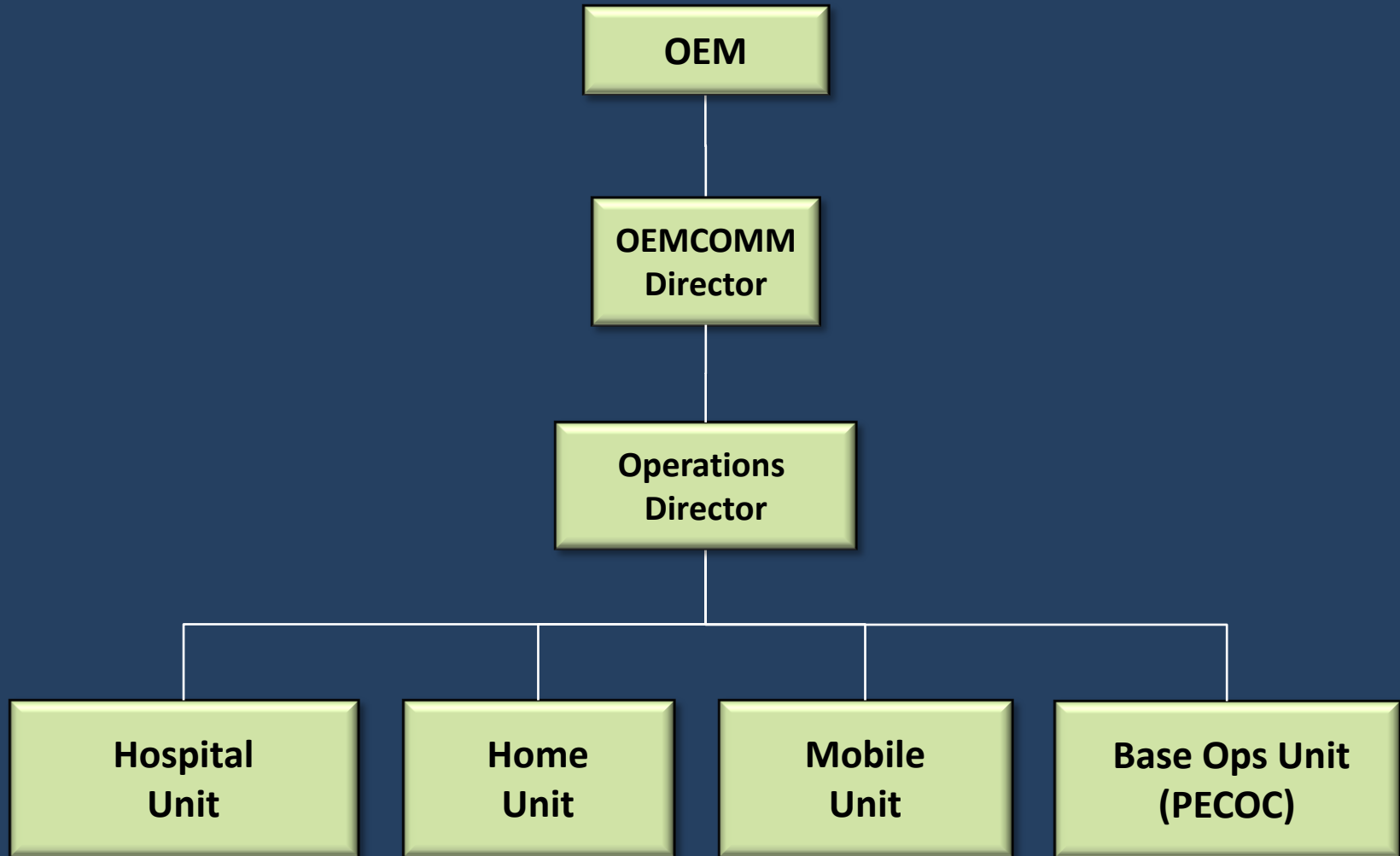
Operations Leaders

- Operations Director Greg Peters (KC5ZGG)
- Hospital Unit Ron Kalish (N7SPW)
- Home Unit Ron Gross (AD7FV)
  - Dee Gross (AD7NM)
- Mobile Unit Greg Peters (KC5ZGG)
  - Jim Christian (KE7WJW)
  - George James (KD7XP)
- Base Ops. (PECOC) Gary Keck (KE7DX)
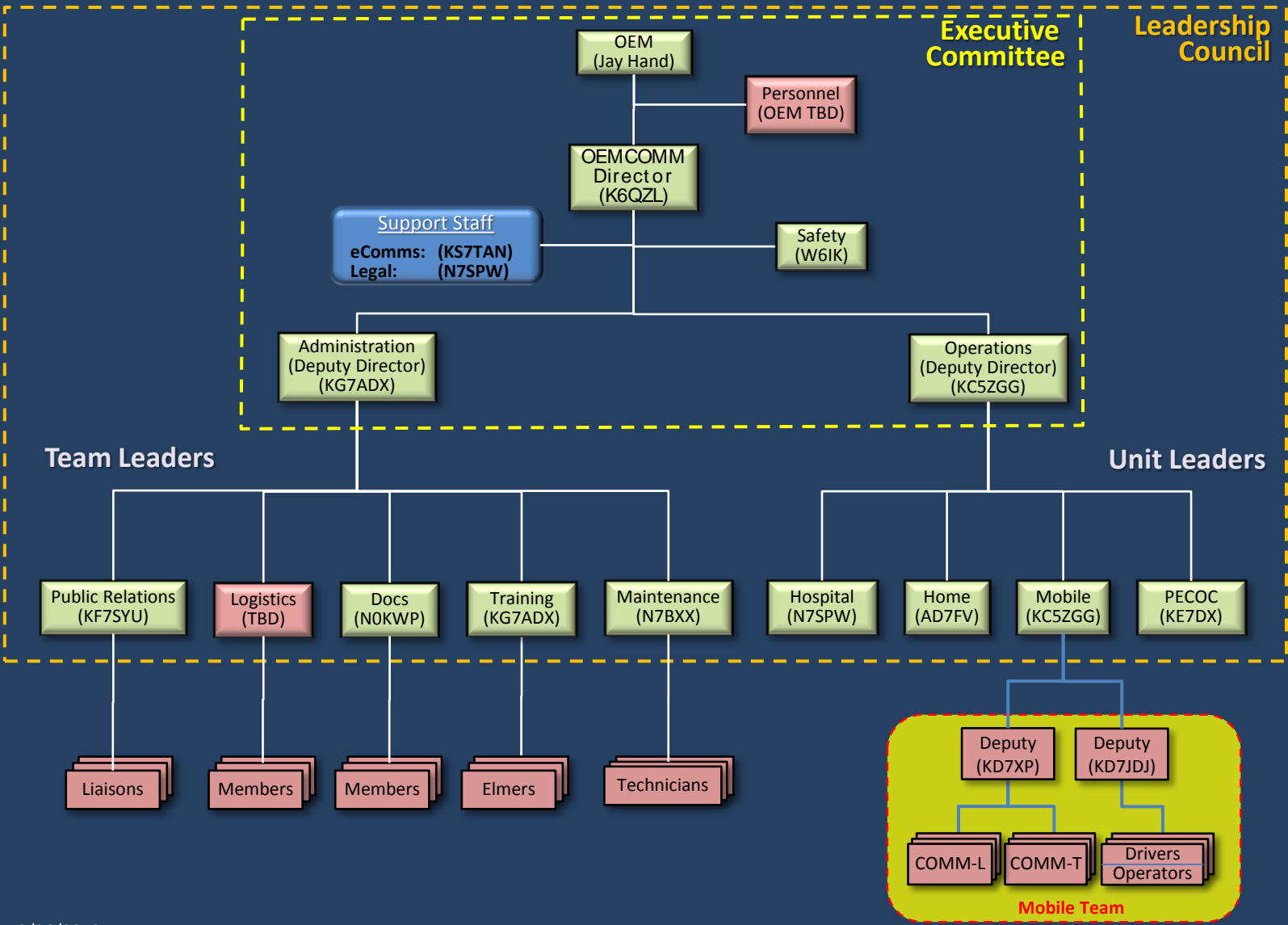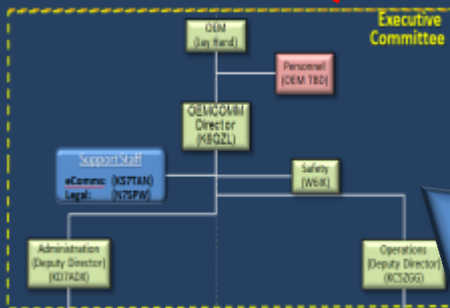
Organization Gaps

- **Unfilled Functional Leads**
  - **Public Information Officer**
  - **Sargent at Arms**
  - **Treasurer**
  - **Personnel (OEM)**
- **COMM-L**
- **COMM-T**

Reorganization

PIMA COUNTY OEMCOMM

- **RACES + ARES + OEM + CERT + ? = PCOEMCOMM**
- **Service + People (*Leaders* not managers, titles, etc.)**
- **Principle of common consent (sustaining vote)**
- **Values**
  - *Integrity first*
  - *Service before self*
  - *Excellence in all we do*
- ***Every* member be on a team/unit and have a job**
- **Bylaws –**
  - **Elections (2 yrs.)**
  - **Part of PCOEM**
  - **Not license holders only (youth, spouse, etc.)**
  - **Broad leadership authority/responsibility**
  - **Responsibility + Authority**
  - **Chain of command + Open Doors**

PIMA COUNTY OEMCOMM

PIMA COUNTY
Office of Emergency Management & Homeland Security

Mobile Emergency Communications

COMM-L	CALL
Public Information Officer	(520) 724-9300
Emergency Operations Center	(520) 724-XXXX
OEM Emergency Communications	(520) 724-9318

Pima County Emergency Operations Center
3434 E. 22nd Street, Tucson, AZ 85713

- Work in progress...
  - Team organization
  - Bylaws (run rules)
  - Liability and medical for call-outs (exercises)
  - Staffing (OEM, etc.)
  - ID Cards (& OEM mag cards)
  - Driver Permits (county vehicles)
  - NIMS Training (100, 200, 700, 800)
  - Web site
  - Callout communications

QUESTIONS ?

Public Relations

Team Lead: Tim Brown (KF7SYU)

Deputies:

Stan Hamnet **(KS7TAN)** (webmaster)

David Iadevaia **(KF7MZY)**

Public Relations

This unit is tasked with

- Encouraging community awareness through involvement in community events and public service.

- Developing positive working relationships between OEMCOMM and amateur radio clubs.

- Developing and encouraging OEMCOMM membership.

- Developing lines of communication with agencies and groups that may be served by OEMCOMM.

- Processing community and public service requests.

<u>Vision</u>

Establish a team that is effective in the community to create a sense of awareness and excitement about OEMCOMM as well as to attract active new members.

One year goal

- Create greater community awareness of OEMCOMM through involvement in events and clubs.

- Re-involve and reactivate "former RACES members" resulting in a more active membership group.

Two year goal

- Increase membership by 50+ active members.

- Raise recognition of Pima County OEMCOMM as relevant in the eyes of the community, agencies and groups.

Five Year Goal

Contribute to developing Pima County OEMCOMM into one of the strongest emergency communication organizations in the country.

Resources Needed To Reach Goals

- An excitement and sense of organizational pride in the leadership and membership.

- Activities and training that encourage interaction of the membership.

- Support and understanding of the role of OEMCOMM by Pima County OEM

CALENDAR

Date	Event	OEMCOMM Resource
2013		
Oct 12	Cochise County Cycling Classic	no OEMCOMM
Oct 19	Tucson Classic Car Show	Toad/Net Control
Nov 6	Statewide Exercise	Toad/Warrior
Nov 23	Tour De Tucson	Base, Toad, HU/TBD
Dec 9	Tucson Marathon	TBD
2014		
Feb 14-16	24 Hours In The Old Pueblo	Toad/Net Control/SAR Dispatch
Mar 1	Old Pueblo 50	TBD
Mar 2	Tour De Cure	TBD

Training

[photo: Nelson Count Area Technology Center]

Team Lead: Scott Boone
(KG7ADX)

Training Mission and Vision

Mission

- To make ready RACES members with the skills and proficiencies needed to assist PCOEM with communications during exercises, events and incidents.

Leader: Scott Boone – KG7ADX   Deputy: Bob Molczan – KA7VPR
Deputy: You?

Training Mission and Vision

Vision

- **Provide guidance and track NIMS training**
  - **Online and in-class resources**
- **Provide guidance and track PCOEM training**
  - **Curriculum guides for all training**
  - **SOP guides for all equipment**
  - **Frequent and meaningful exercise with equipment**

Training Mission and Vision

Resources

- Build a functional training Team
- Find, organize needed materials
- Find and use "Experts" and "Elmers"
- Use Train the Trainer
- Exercise, revise, exercise, revise…

Find wheels and use them!

First Opportunity

ACU-1000 Basics and Simulator

28 Sep 2013

0900 – 1100

PCOEM

Home Units

Team Lead: Ron Gross (AD7FV)

Deputy Home Units Team MGR

Dee Gross (AD7NM)

Team Role and Responsibilities

- The Home Units (HU) Team exercises and trains in point-to-point communications methodologies that are home-based (as opposed to field-based). During an emergency, Home Units Team members carry out their prescribed duties as required by EOC/FEMA management personnel.

- The HU Team operates in concert with the Hospitals Team during emergencies in which the sole means of wide-area communication will be radio-based. HU will support VHF-to-HF Hospital Team training and exercises.

- The HU Team manager, in consultation with other RACES team managers, plans HU support for all scheduled EOC/RACES exercises and actual incidents.

- The HU Team manager will ensure that periodic training in all aspects of HU Team operations is accomplished.

PIMA COUNTY
OEMCOMM

Home Unit Concept and Duties

Hospital

RMS Gateway Station

**HF
RMS Express
WINMOR
Pactor**

VHF/UHF FM Packet

Internet Connection

Home Unit

Home Unit

Southern Region RACES Net List, Revised 09-07-2013

28 September

This is [your call sign], net control station for the Southern Region RACES Net. This net meets Saturdays at 0715 MST on 3865 kHz., by the authority of the FCC, and by the direction.
Please participate using backup power. Are there any QSTs? [PAUSE] The Net List follows.

Suffix	Call, Name	In	EO	Bat	QTH	SEP 14	21	28	OCT 5	12	19	26	NOV 2	9	16
AFN	K4AFN Charles				SV										
DRG	N9DRG Ron				T (SE)										
DSI	KL7DSI Bill[1]				Ajo										
FOX	W7FOX Chris				T(NW)										
FV	AD7FV Ron				Sahuarita	N									
IK	W6IK Bob				T (NE)		N								
INK	N7INK Bob				SV			N							
KT	AD7KT Jim				T	A			N						
MU	KE7MU Brad				Vail		A			N					
NM	AD7NM Dee				Sahuarita			A			N				
NR	AD7NR Jane				Rio Rico				A			N			
NYG	N7NYG Bruce				SV					A			N		
OED	KD7OED Lee				SV						A			N	
PDR	N4PDR Dave				SV							A			N
QHD	W7QHD Kurt				T								A		
QZL	K6QZL Don				Oro V.									A	
SYU	KF7SYU Tim				T(NW)										A
SZ	AA1SZ Dale				Rio Rico										
UO	W7UO Wes				G. Valley										
VNF	WB7VNF Ev				SV										
ZF	AE7ZF TJ				Corona										
ZGG	KC5ZGG Greg				Corona										
ZZ	KC7ZZ Bill				T(SE)										

Note 1: Has asked not to be NCS or ANCS.

Any visitor or late member check-ins? Again, are there any visitor or late member checkins? Any relays? This is [your callsign], NCS for the Southern Region RACES Net.

Saturday Morning Net

- Time: 0715
- Freq: 3865 KHz LSB
- NCS/ANCS duties rotated weekly
- Training – need more work with hospitals

RMS Express

Home Unit

PIMA COUNTY **OEMCOMM**

VHF/UHF Station
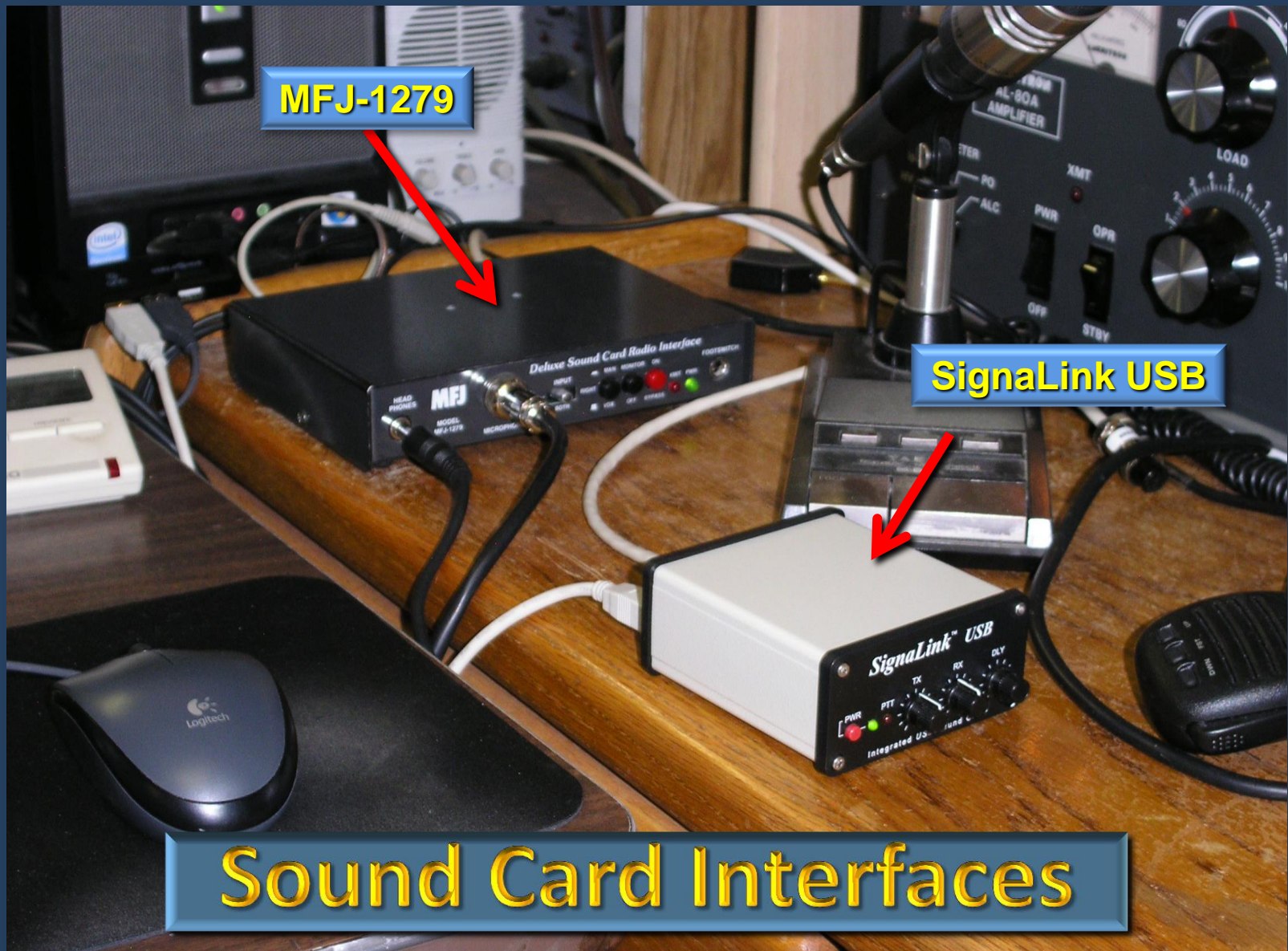
Kenwood TM-D710A VHF/UHF XCVR with 1200/9600 Baud TNC

Yaesu FT-2900R VHF XCVR

PK-232MBX TNC 1200 Baud Packet

PIMA COUNTY OEMCOMM

HF Station

MFJ-1279

SignaLink USB

Sound Card Interfaces

PIMA COUNTY
OEMCOMM

Emergency Power

Charge Controller

2 – 100 Ah AGM Batteries

Mobile Unit

Team Lead: Greg Peters (KC5ZGG)

Mobile Unit

Greg Peters
KC5ZGG
Mobile Unit Lead

Jim Christian	George James
KE7WJW	KD7XP
Deputy, Mobile Unit	Deputy, Mobile Unit

Scott Boone *	Walt Brophy	Jim Johnsen	Matt Lepree
KG7ADX	AL7KE	KD7JCJ	N7EG
Frank Brady *	Bob Campbell *	Gary Keck *	Jim Myers
N0KWP	W6IK	KE7DX	KD7EIR
Tim Brown *	Deborah Denne'	Philip Kortesis	Marvin Stafford
KF7SYU	KF7WJB	W7PEK	KB7DNX
John Behrens	Jim Fisher	Steve Lane	
K7JWB	KG7ADW	KY7K	

* - Manager of other OEMCOMM functions

Mobile Unit (vehicles)

- Provides back up Emergency Communications support between TOAD and/or WARRIOR and the Emergency Operations Center (radio room)
- Activation is accomplished by a "call out" when authorized by OEM coordinator

  - Mini Van
  - Command Vehicle
  - State Interoperability Communications Van (TOAD 2)
  - Communications Trailer (WARRIOR)
  - Utility Vehicle (Incident Command Center Equipment)
  - 4-Utilitay Vehicle (Incident Support Trailer (IST)

Mobile Unit - TOAD

- (4) 2004 Ford Super Duty Econoline E450
- 24' Wide body Van chassis
- V-10 Triton 6.8 liter 350HP EFI gasoline
- Dual 7.0 kW Onan gas generators
- Two 15,000 BTU AC
- Operator, Communications, Conference sections
- **ACU1000 (Raytheon JPS)**

- **RADIOS**
  (3) Kenwood *780,* VHF public safety programmable radios
  (3) Kenwood *880,* UHF public safety programmable radios
  (2) Kenwood *980,* 800 public safety programmable radios
  (2) ICOM *2720,* dual-band (VHF/UHF) amateur radios
  (1) ICOM *706,* tri-band (HF/VHF/UHF) amateur radio
  (1) MOTOROLA XTL 5000, (700/800 trunked) radio
  (1) UNIDEN, BC296D/BC796D (SCANNER)

- **SATELLITE**
  TracStar / iDirect Satellite High-speed Internet Systems with Priority Satellite VoIP

- **COMPUTERS**
  Dell Servers
  Dell Laptops
  Long Range WiFi
  VPN Control of all IP systems

County Communications Vehicle

"TOAD"

1 – Mohave County

2 – Pima County

3 – Gila County

4 – Navajo County

Mobile Unit

TOAD 2 (Unable to Program Equipment)

EQUIPMENT	STATUS	REMARKS
1 - ICOM *2720,* dual-band (VHF/UHF) (cab)	🟧	Unable to program equipment
1 - ICOM *2720,* dual-band (VHF/UHF) (w/s)	🟧	Unable to program equipment
1 - ICOM *706*, tri-band (HF/VHF/UHF)	🟧	Screw driver antenna is not operational
1 - MOTOROLA XTL 5000, (700/800 trunked) radio	🟩	
1 - UNIDEN Scanner	🟩	
1 - Satellite	🟩	
4 - Satellite Phones	🟩	
2 - Dual 7.0 kW generators	🟧	Generator switch to Panel 1 non-operational
2 - Shore Power Connectors	🟩	
1 - Computer Server, Switch, LAN Ports	🟩	
3 - Computer Laptops	🟩	
1 - Long Range Wi-Fi	🟩	
1 - Packet Radio	🟧	Unable to Send/Receive Packet via Winmore
1 - Analog Telephone	🟩	
1 - ACU-1000	🟧	Not able to program equipment
3 - 780, Kenwood VHF public safety radios	🟧	Not able to program equipment
3 - 880, Kenwood UHF public safety radios	🟧	Not able to program equipment
2 - Kenwood 980, 800 public safety	🟩	
Camera / Mast (Boom)	🟩	
Roof Top Antenna(s)(UHF, VHF, HF, 800)	🟥	Screwdriver HF antenna not operational
1 - HP Printer	🟩	

Mobile Unit

WARRIOR (Unable to Program Equipment)

EQUIPMENT	STATUS	REMARKS
2 - ACU-1000		No programming cables
1 - 7000 Watt Generator		
2 - Kenwood 980 Mobile 800 Mhz Radios		
3 - Kenwood 8180 UHF Radios		
3 - Kenwood 7180 VHF Radios		
1 - EF Johnson 800 MHz Trunked Radio (Pima County Load)		
1 - Motorola ASTRO 800 MHz Trunked Radio (PCC Police		
1 - ICOM A110 Aircraft Radio (Standalone)		
2 - ICOM 2720 Dual Band (UHF/VHF)		
1 - ICOM 2200 VHF Radio (for Packet)		
1 - Kantronics TNC (for Packet)		
1 - 24-Port Ethernet Switch		
1 - Dell M70 Laptop		
24 - Tri-band VHF/UHF/800 Mhz Antennas		
1 - HP Laserjet Printer (1320NW)		

Mobile Unit

Team Status (Down to One Driver)

NAME	CALL SIGN	DRIVER	STATUS
GREG PETERS (Unit Lead)	KC5ZGG	YES	not Saturday
JIM CHRISTIAN (Unit Deputy)	KE7VJW	YES	not Saturday
GEORGE JAMES (Unit Deputy)	KD7XH	YES	
Bob Campbell	W6IK		
Deborah Denne'	KF7WJB	Needed	
Frank Brady *	N0KWP	Needed	
Gary Keck *	KE7DX	Needed	
Jim Fisher	KG7ADW		
Jim Johnsen	KD7JCJ		
Jim Myers	KD7EIR		
John Behrens	K7JWB		
Marvin Stafford	KB7GNX		
Matt Lepree	N7EG		
Philip Kortesis	W7PEK		
Steve Lane	KY7K		
Tim Brown *	KF7SYU		
Walt Brophy	AL7KE		

* - Working Other Areas

PIMA COUNTY OEMCOMM

Future Equipment Upgrades

- **TOAD**
  - Kenwood D710A
  - HF Wire Antenna
  - Digital
    - (Signalink/Rigblaster)
  - Programming Cables
  - Programming Software
  - MARS Modification (HF)

- **WARRIOR**
  - HF Wire Antenna
  - Digital
    - (Signalink/Rigblaster)
  - Programming Cables
  - Programming Software
  - Wi-Fi
  - MARS Modification (HF)

- Sep 6th / 7th – Santa Cruz Exercise   (KC5ZGG)
- Sep 21st / 22nd – Dual Sport   (KF7SYU)
          (KG7ADX)

- Oct 12th – Cochise City
- Oct 29th – Tucson Classic Car Show   (KF7SYU)
- Nov 5th – 7th – Arizona State Exercise   (KC5ZGG)
- Nov 9th – OVARC Ham Fest
- Nov 23rd – El Tour de Tucson   (WB2BSJ)
- Dec 9th – Tucson Marathon   (KC5ZGG)
- Feb 14th – 16th – 24 Hours in Old Pueblo
- Mar 1st – Old Pueblo 50   (N7INK)
- Mar 2nd – Tour de Cure

- After Action Reports:

- Sep 6th / 7th – Santa Cruz Exercise   (KC5ZGG)
- Sep 21st / 22nd – Dual Sport   (KF7SYU)
                                                (KG7ADX)

Santa Cruz County - Communications Workshop

- ## Sat, Sep 7

- ## TOAD2 joined SCECG, USBP, ADEM, Tubac FD, TFD Comm Van in Nogales

- **Base Communications Team participation**
  (Bill KC7ZZ, Gary KE7DX, Avery WB4RTP + Visitors)
  – Established communication with TOAD2 and several support vehicles
  – Followed APRS track of personal support vehicle throughout
  – Simplex (PCOEMCOMM Channel x)
  – 146.88 Repeater (PCOEMCOMM Channel x)
  – 145.29 Elephant Head Repeater (PCOEMCOMM Channel x)
  – Downloaded pretty picture of Mobile Comm Team taken with Sony Network Camera SNC-RZ30N via Internet
  – Maintained communication with TOAD2 and support vehicles throughout deployment
  – PCOEMCOMM VHF Net check-in as Mobile Comm Team returned to PECOC
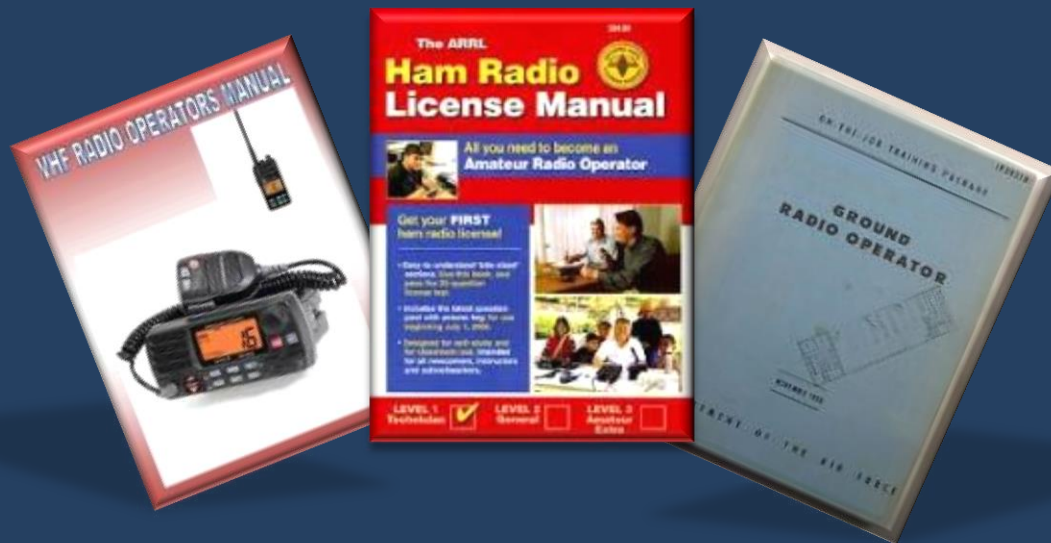
PIMA COUNTY
OEMCOMM

An excellent set of documents will define:

Who we are: **PCOEMCOMM**

What we do: **TRANSMIT INFORMATION**

When we do it: **AS REQUIRED BY PCOEMCOMM/OEM**

Why we do it: **AS A SERVICE TO PIMA COUNTY CITIZENS AND BEYOND**

   and

How we will perform our tasks: **EFFIECENTLY and with SKILL**

PIMA COUNTY
OEMCOMM

STAFFING:

Team Lead:	Frank Brady	(N0KWP)
Deputy Lead:	Dan Donnelly	(KC7VDA)
Editors:	Lin Donnelly	(KF7CNR)
	Vaughan Thompson	(KE7OLI)
Consultant:	Corrie Brady	

** Other members named in the future.

Working Rules:

1. The team *does not write* the original documents. We will support all the teams in writing *their* SOP's and other operational documents.

2. The team will provide the proper form set the be used.

3. The team will make sure all documents are signed off as required.

4. The team will review all documents on a quarterly basis

Vision (future)

The document management section is <u>not</u> the originator of the documents so the future outlook is based on the work loads from other teams.

The next <u>*three*</u> months is the most critical as the new organization digs in. I am optimistic to have a "full" set in six months, one year for "full" operational documentation with quarterly reviews in place

- SOP Document format sample is available for revue. It is based on the Arizona state PSIC format.

- Additions and corrections may be called for before final adoption

PECOC Base Communications Team

Team Lead: Gary Keck (KE7DX)

Base Ops Organization

PIMA COUNTY OEMCOMM

Gary Keck (KE7DX)
Team Lead

TBD
Deputy Team Lead

Bill Adams KC7ZZ	**Avery Davis** WB4RTP	**Cliff Hauser *** KD6XH	**Ed Sherlock** K6ESS
Frank Brady * NØKWP	**Deborah Denne'** KF7WJB *	**Steve Lane *** KY7K	**June Sherlock** KE7JUU
Rick Comins W1GHF	**Cary Fishman** WB2BSJ	**Matt Lepree *** N7EG	**Owen Watson** AK7AR
	Stan Hamnett * KS7TAN	**Jim Myers *** KD7EIR	

* Shared Resource

PIMA COUNTY
OEMCOMM

Current Activities

- Base Comm Mission Statement in work

- Quick Reference Cards for Radios in work

    – TS-2000 HF

    – IC-2820 Dual-Band VHF/UHF

- Radio Room 224 Run Rules & SOP under discussion

    – Document Radio Room activities in IC-214 Unit Log

        • All Radio Operations & Eqpt Usage (Radios, Antennas, PS….)

        • All Equipment removal/return

    – Clean up room after completion of operations

        • Leave it cleaner than when you arrive!

Arizona Statewide Exercise

- Wed, 11/6
- Scenario:
  - Simulate July monsoon season
  - Lightning strikes, Fires
  - Power Outage
  - Land & Cell phone out w/i two days
  - TV/Radio lasts according to on-site emergency generator fuel
- Test communications capability and interoperability
- 11/6: Functional Exercise during std business hours (Day 3)
- 11/7: Tabletop Exercise (Day 10)
- "There will be a time jump to Week 2 of Power Outage"

Possible El Tour de Tucson

- ❑ **Sat, 11/23**
- ❑ **Contacted Frank Duarte, PCSO and advised PECOC capabilities**
- ❑ **No reply to date**
- ❑ **PCSO will make decision whether NC stays at PCSO or PECOC**
- ❑ **CONOPS**
  - ❑ 4 VHF Radios, 4 Communication Sectors
  - ❑ SAG Vehicle Net (Ron?)
  - ❑ AIRS/800MHz to PCSO
  - ❑ webEOC to document traffic between PECOC & PCSO
  - ❑ APRS Tracking of Lead/Sweep Vehicles, Sector Chiefs at both PCSO and PECOC

- ❑ **NEEDS**
  - ❑ Reduce cross-channel interference (desense) for repeaters chosen
  - ❑ Headphones for all NC ops (BYO)
  - ❑ Large screen video display in Radio Room for APRS Track (or alternately on each computer)

GroupSpaces.Com

?

Hospital Team

Team Lead: Ron Kalish (N7SPW)

Pima Country Office of Emergency Management

Mr. Jay Hand
(soon to be licensed :-)

Closing Comments

Dr. Don Cox (K6QZL)

- Work in progress…
  - Team organization
  - Bylaws (run rules)
  - Liability and medical for call-outs (exercises)
  - Staffing (OEM, etc.)
  - ID Cards (& OEM mag cards)
  - Driver Permits (county vehicles)
  - NIMS Training (100, 200, 700, 800)
  - Web site
  - Callout communications

Volunteer Today