# BRAC 2005
# EDUCATION AND TRAINING JOINT CROSS-SERVICE GROUP
# MEETING MINUTES OF 30 JUNE 2004

The Principal Deputy Under Secretary of Defense (P&R), Mr. Abell, chaired the 17th meeting of the E&T JCSG. Attendee List is at Attachment 1.

Mr. Abell welcomed the E&T JCSG principals and asked Mr. Howlett, E&T JCSG Coordinator, to begin the briefings (briefing slides are at Attachment 2). Mr. Howlett first introduced Colonel Jimmie Simmons, USAF, to present the Flight Training subgroup update. The members discussed the following issues:

- Joint Strike Fighter/Unmanned Air Vehicles. Although still an open issue with the ISG, Mr. Abell had discussed the scope of E&T JCSG's graduate-level flight training analysis with Service Vice Chiefs and will present the consensus approach during an upcoming ISG meeting.
  - ***The Flight Training subgroup will finalize E&T JCSG briefing slides to reflect agreed upon Graduate-level Flight Training recommendations to the ISG.***
- Data Collection. The Service Principals to the E&T JCSG remain the primary conduit to Service BRAC offices to ensure Services are responding in a timely manner to E&T JCSG subgroups' requests for clarification of existing capacity data call questions and for responses to new supplemental capacity data call questions. Missing capacity data was a common problem with all four subgroups as noted in their briefing slides.
- Military Value Scoring Plan. OSD BRAC identified a potential issue with the relative weights currently calculated for classroom metrics in the flight training scoring plan.
  - ***The members gave the subgroup permission to re-score classroom metrics and bring the results to Mr. Abell and Mr. Dominguez for their review before re-submitting the revised Flight Training Scoring Plan to the ISG.***

Colonel Jerome Lynes, USMC, presented the Professional Development Education (PDE) subgroup update. In addition to difficulties with the receipt of PDE capacity data and the possibility of requiring supplemental PDE data call items, the members discussed the following issue:

- Other Full-Time Education. IAW prior direction, the scope E&T JCSG's PDE subgroup includes Defense Agencies and Military Services that conduct professional development education with the exception of healthcare and

intelligence functions, which will be evaluated by the Medical and Intelligence JCSGs, respectively.

- ***PDE acknowledged and the members agreed that no "other full-time education" function or location will be excluded from E&T JCSG subgroup analysis.***

Major General Will Fraser, USAF, presented the Specialized Skill Training (SST) subgroup update. In addition to difficulties with the receipt of SST capacity data, the members discussed the following issue:

- Medical SST Training. ***The members concurred with the recommendation to exclude officer and enlisted medical training from further analysis by the SST subgroup.*** SST will continue to monitor medical skill training and participate with the Medical JCSG to help ensure consolidation of like medical skill training into the fewest locations.

Mr. Tom Macia presented the Range subgroup update. Noting difficulties with the receipt of Ranges capacity data, Mr. Macia reiterated that during the adjudication process on Range's military value questions, Services overruled the wording of some questions. Without consensus, the Range Subgroup was compelled to delete a few of those questions and subsequently secure necessary data via follow-up clarifications. VADM Hoewing commented that principals need to know if questions are being pulled. Mr. Dominguez concurred noting that E&T JCSG principals need to know if questions dropped because of disagreements with the Services would impact scoring plans previously approved by E&T JCSG and ISG. The members discussed the following issues:

- The Ranges subgroup described their updated adaptations of previously approved definitions of E&T JCSG capacity terms and added the term "programmed capacity."
  - ***The members concurred with the overall definition of "programmed capacity" but expressed concerns with the efficacy of T&E ranges' measure of "units of test hours executed" as basis for calculations of the various capacity terms.***
- Maximum Potential Capacity. During a lengthy discussion on the T&E Ranges working group's implementation of this definition, the chair of the T&E working group pointed out that the formula stated in the Interim Capacity Analysis Report was correct but was written on the slide incorrectly – the slide should state: "…for T&E Ranges = Current configuration is <u>peak</u> demonstrated workload in test hours…." This revised definition still raised concerns with the members; several questioned the subgroup's ability to determine excess capacity or surplus time available on T&E ranges for training. The Chair noted that the charter of the E&T JCSG was to increase cross-functional use of

training and T&E ranges. Some members of the subgroup argued that T&E range workloads are subject to unique constraints and that the calculations of existing open air ranges' capability to perform T&E functions don't lend themselves the type of capacity calculations used by the Training Ranges. Subsequent T&E Range descriptions of their implementation of other capacity terms also bogged down, each was based upon "current configuration" and "workload in units of test hours executed." One member suggested that in order to resolve this issue the Technical and E&T JCSG Chairs should meet.

- ***Mr. Abell tasked Mr. Howlett to coordinate a meeting to address T&E capacity terms with the appropriate participants.***
- ***The Ranges Subgroup was also tasked to report back to the E&T Principals on how training and T&E capacity of ranges will be integrated.***

- Surge Definition. ***The members concurred with surge calculations of 25% (training ranges) and 10% (T&E ranges) as recommended by the subgroup and based upon collective military judgment.***
- Filters. The subgroup during the brief corrected the following slides:
  - Ground Training: Capacity Scope - under Units Considered after Filter (USN) change the number "2" to "3."
  - Ground Training Installation List: delete "Hulman Regional APT AGS."
  - Capacity Analysis Attributes: Training - reword the "Note" to read "Simulation Centers will be part of Military Value Analysis"
  - Range Subgroup – Overarching Issue: - correct second bullet to delete "E&T JCSG" and add "ISG."
  - ***The members agreed to the ground, air, and sea filters described in the brief noting that these filters were derived from Service "doctrine."***
- Fort Hunter-Liggett. Data regarding this installation had not been provided to the E&T JCSG. ***The Chair felt this installation was clearly within E&T JCSG's purview and asked the Army Principal to follow-up. The Army Principal agreed to request the Army BRAC office to collect the capacity and military value data for the Ranges subgroup.***

Mr. Howlett provided an update on near-term E&T JCSG actions/requirements (e.g., MilDeps' projected student throughput requirements, E&T JCSGs' transformational options, and FT scoring plan update to the previously submitted E&T JCSG Military Value Report), some of which will be facilitated via "virtual" meetings. The OSD BRAC representative announced a memorandum from the Chair of the ISG to be released on 2 July will task the E&T JCSG for a Capacity Report update by July 9, 2004. Additionally, he stated that the BRAC DAS's were finalizing the Service and JCS Imperatives. Once final, they will be forwarded to the JCSGs for comment. It is the intention of the ISG to

review Imperatives at their July 16th meeting. Finally, Mr. Howlett announced the upcoming E&T JCSG meeting scheduled for July 8th will focus on a Scenario Development briefing and discussion lead by the OSD BRAC office. Despite his anticipated travel conflict, Mr. Abell encouraged all principals, subgroup chairs, and members to attend this meeting.

Approved: _____
Charles S. Abell
Principal Deputy Under Secretary of Defense (Personnel & Readiness)
Chairman, Education & Training Joint Cross-Service Group

Attachments:
1. List of Attendees, 30 June 2004
2. Briefing Slides

Copies Furnished:
1. OSD BRAC Office
2. E&T JCSG Coordination Team
3. DoD IG

**BRAC 2005**
**EDUCATION AND TRAINING JOINT CROSS-SERVICE GROUP**
**30 June 2004**

**Attendees**

**Members:**

- Hon Charles S. Abell, Principal Deputy Under Secretary of Defense (Personnel &Readiness) Chair
- Mr. Michael Dominguez, Assistant Secretary of the Air Force for Manpower and Reserve Affairs
- VADM Gerry Hoewing, USN, Chief, Naval Personnel, N1
- MG Buford Blount, USA, Deputy G-3
- BGEN Tom Maffey, USA, JCS VDJ-7
- Col Jeff Bearor, USMC, Chief of Staff, Training and Education Command

**Others:**

- Dr. Paul Mayberry, Deputy Under Secretary of Defense for Readiness
- Mr. Dan Gardner, ODUSD(R) Readiness & Training Policy & Programs
- Mr. Bob Howlett, E&T JCSG Coordination Team
- Maj Gen Peter Sutton, AF/DPL
- Maj Gen William Fraser III, USAF, AETC/DO
- Col Jimmie Simmons, USAF, AETC/DOR
- Mr. James Gunlicks, Director Training Army G-3
- Mr. John Foulkes, E&T JCSG Ranges, T&E Working group
- Mr. Thomas Macia, E&T JCSG Ranges subgroup
- Mr. Jose Alvarez, E&T JCSG Training Ranges Working group
- Col Jerry Lynes, USMC, Division Chief, Joint Education & Doctrine, J-7
- CAPT Cathy Osman, USN, J7/JEDETD/JETB
- Mr. Steve Belcher, DON IAT Contract Support
- CDR Greg Hilscher, E&T JCSG SST Subgroup, Navy BRAC
- Ms. Beth Schaefer, DOD/IG
- Mr. Brian Buzzell, OSD BRAC Contract Support
- SSG Kevin Lipscomb, USA, E&T JCSG Coordination Team

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*Education &Training Joint Cross Service Group*

# E&T JCSG Principals Meeting
# 30 June 2004

**Mr. Charles Abell**
**Chairman, E&T JCSG**

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# Agenda

- Overview
- Subgroup Updates
  - Flight Training
  - Professional Development Education
  - Specialized Skill Training
  - Ranges
- E&T JCSG Updates
- Next Meeting
  - Next scheduled meeting 8 July
  - Agenda: Scenario Development Briefing

# Flight Training

## *Issues / Recommendations*

- Revised capacity definitions in Interim Capacity Report II
- Attributes / metrics capacity tables for all functions inserted
  - Tables incomplete, much data still unresolved
  - Clarification process working, but slowly
- Graduate flight training functions only include JSF and UAVs
  - JSF basing criteria package in staffing
  - UAV basing criteria is unknown
- Projected student throughput requirements package in staffing
  - Anticipate all 4 subgroups will have inputs
  - Target date to submit to JCSG is 16 July
- Potential issue with Mil Val scoring plan discovered
  - Classroom weight may be too high
  - Subgroup to discuss and develop recommendation

# Flight Training

## *Status of requests for clarification*

| | Requested | Closed | Open |
|---|---|---|---|
| Army | 10 | 0 | 10 |
| Air Force | 17 (+4) | 0 | 17 (+4) |
| Navy/USMC | 29 (+6) | 0 | 29 (+6) |
| total | 56 (+10) | 0 | 56 (+10) |

** As of 25 June, there are 56 questions targeted at 105 installations / activities.

# Professional Development Education

## *Capacity Analysis Interim Report Changes*

- **Capacity Definitions updated (as previously briefed)**

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# Professional Development Education

## *Status of requests for clarification*

| | Requested | Closed | Open |
|---|---|---|---|
| Army | 5 | 0 | 5 |
| Air Force | 7 | 5 | 2 |
| Navy / USMC | 2 | 0 | 2 |
| DOD | 10 | 0 | 10 |
| Total | 24 | 5 | 19 |

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# Professional Development Education

## *Issues/Recommendations*

- **Define scope of other full time education functions**
- **Data collection from Defense Agencies**

# Specialized Skill Training

*Interim Capacity Report #2*

- **Updates and Changes**
  - **Refined list of SST installations**
    - **Removed medical training**
    - **Excluded operationally tied SST from further analysis**
  - **Excluded DoD Agencies from further SST analysis**
  - **Began capacity worksheets for rest of installations**
  - **Defined the five capacity terms for SST**
  - **Adjusted capacity formulas based on new definitions**

# Specialized Skill Training

## *Issues/Recommendations*

- **Per Aug 03 ISG decision, officer and enlisted medical training assigned to Medical JCSG**
  - **Medical training also reported under SST data call**
  - **SST verified medical training fall under Medical program elements, not SST program elements**
  - **Medical JCSG confirmed responsibility for officer and enlisted medical training analysis and analysis is ongoing**
- **Recommend SST exclude officer and enlisted medical training from further analysis and continue to coordinate with Medical JCSG**

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# Specialized Skill Training

## *Status of requests for clarification*

| | Requested | Closed | Outstanding |
|---|---|---|---|
| Army | 290 | 0* | 290 |
| Air Force | 151 | 0* | 151 |
| Navy/USMC | 276 | 0* | 276 |

*** Services clarifying data, but updates to certified data have not yet reached SST**

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# Range Subgroup

## *Agenda*

- **Range Subgroup Definitions**
  - **Training**
  - **T&E**
- **Training Capacity Analysis to Date: GND, Sea, Air**
  - **Filters**
  - **Locations**
  - **Attributes Considered**
  - **Interim Capacity Analysis Report**
- **T&E Capacity Analysis to Date**
- **Status of Requests for Clarification**

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# Range Subgroup

## *Defined Capacity Terms*

- **Maximum potential capacity**: Theoretical maximum operational dimension for existing physical plants' capability to perform functions/sub-functions (assumes weather and legislative restrictions but otherwise multiple shifts/unconstrained)
- **Programmed capacity:** Funded/budgeted capacity of existing physical plants to perform functions/sub-functions (assumes current configuration and budgetary constrains, e.g. manpower)
- **Current capacity**: Standardized / peacetime operations for existing physical plants' capability to perform functions/sub-functions (normalized for comparability between Services' installations). IAW peacetime restrictions & constraints [e.g., environment/weather, encroachment, & legislation]
- **Current usage**: Certified MilDep & Def Agency responses (& subsequent updates) to BRAC data calls (actual/executed production/throughput as reported by MILDEPs for subgroups' functional metrics)
- **Surge capability**: Additional "capability hedge" in order to meet unanticipated increases for existing physical plants' capability to perform functions/sub-functions; 25% and 10% of the reported current usage for Tng and T&E, respectively.
- **Excess capacity**: Current capacity minus (current usage + surge capability)

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# Range Subgroup

**<u>MAXIMUM POTENTIAL CAPACITY</u> = theoretical maximum operational dimension for existing physical plants' capability to perform functions/sub-functions** (assumes **weather**, environmental and legislative restrictions but otherwise multiple shifts/unconstrained).

**for Training Ranges = Net existing air/land/sea range space volume (design minus restrictions) X :**
- **365 days for ground ranges (acre days)**
- **365 x 24 hours for air ranges (NM3 hours)**
- **365 x 24 hours for sea ranges (NM2 hours)**

**for T&E Ranges = Current configuration is average '01-'03 workload in test hours on existing air / land / sea, OAR ranges**

**<u>PROGRAMMED CAPACITY</u> = current operations for existing physical plants' capability to perform functions/sub-functions.** IAW peacetime current restrictions and constraints.

**for Training Ranges = Net existing air/land/sea range space volume (design minus restrictions) X :**
- **reported days for ground ranges (acre days)**
- **reported hours for air ranges (NM3 hours)**
- **reported hours for sea ranges (NM2 hours)**

**for T&E Ranges = Current configuration is average '01-'03 workload in test hours on existing air / land / sea, OAR ranges**

# Range Subgroup

**CURRENT CAPACITY = standardized / peacetime operations for existing physical plants' capability to perform functions/sub-functions (normalized for comparability between Services' installations).** IAW peacetime restrictions and constraints.

**for Training Ranges = Net existing air/land/sea range space volume (design minus restrictions) X :**
**244 training days for land ranges (acre days)**
**260 days X 16 hours per day for air ranges (NM3 hours)**
**365 X 24 hours for sea ranges (NM2 hours)**

**Note: oceans have essentially unlimited availability.**

**for T&E Ranges = Current configuration with average FY01-FY03 workload in test hours on existing air / land / sea, open air ranges**

**CURRENT USAGE = certified MilDep & Def Agency responses (and subsequent updates) to BRAC data calls.** Current usage, **as reported,** may be < or > "current capacity" as defined above and considers maintenance/equipment downtime, end strength (faculty, staff & students), personnel resources/accounts (pay/overtime pay), duty hours (e.g., days/year, hours/day for budgetary constraints), training policy/requirements, et cetera.

NOTE: future usage requirements (end strength driven education and training requirements, weapon system acquisition or modification driven education and training requirements, out year budgets, et cetera) may exceed or fall short of current usage. Certified future usage requirement data will not be available for "Final" Capacity Analysis report. Scenario development will consider future usage requirements.

# Range Subgroup

**<u>SURGE CAPABILITY</u> = additional "capability hedge" in order to meet unanticipated increases for existing physical plants' capability to perform functions/sub-functions**

**for Training Ranges = current usage plus 25% (rationale for percentage required based upon SME staffing action, military judgment and mobilization requirements)**

**for T&E Ranges = current usage plus 10% (rationale for percentage used was military judgment agreed upon with the technical Joint Cross Service Group (TJCSG)))**

**Note: Current + Surge cannot exceed Max Potential Capacity.**

**<u>EXCESS CAPACITY</u> = Current capacity <u>minus</u> (current usage <u>plus</u> surge capacity)**

(in other words)

Current capacity (standardized / peacetime operations)
- current usage (certified Data Call #1 responses) (may be <u>greater</u> than current capacity)
<u>- surge capacity</u> (calculated percentage of current usage<u>)</u>
Excess capacity

# Range Subgroup

## *Explanation of difference between Training and T&E Surge Factor*

- **Surge for training uses a factor of 25% of current capacity.**
- **T&E uses 10% & for consistency with the TJCSG T&E surge was set at 10% of current capacity.**
- **Both based on history and real world operations (Desert Storm, Enduring Freedom) and sound military judgment.**
- **The difference in these two factors is attributable to the difference between the training and T&E missions.**
- **Training can expect much higher levels of load driven by contingencies, transformation and mobilization.**
- **T&E is a more measured & predictable function. Even in support of transformation, weapons system development and testing is more predictable and less likely to generate large surge loads on OARs.**

# Range Subgroup

## TRAINING CAPACITY

# Range Subgroup

**Collective Training Filter(s)**

**Ground: 19, 000 acres or greater (Minimum maneuver area acreage required for Light Battalion Training (TC 25-1)).**

**Sea: 50 Nautical Miles Squared or greater (50NM$^2$). The final draft of the Fleet's Range Capabilities Document states the minimum sized OPAREA as 50 sq. nm. This is considered the minimum for Intermediate training in Amphibious Warfare and Special Operations.**

**Air: <u>Included</u>: (+ Possible NM$^3$ Filter in Future)**

- ***Restricted Areas*:**
- ***MOAs*:**
- ***Warning Areas*:**
- ***ATCAAs*:**

**<u>Excluded:</u>**

- ***Alert Areas*:**
- ***Prohibited Areas*:**
- ***Control Fire Areas (CFAs)*:**
- ***Military Training Routes (MTRs)*:**
- ***Low Altitude Tactical Navigation Areas (LATN)*:**
- ***Air Refueling Tracks (ARs)*:**

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# Range Subgroup

## Ground Training: Capacity Scope

| Service | Number Units Reporting | Collective Tng Filter | Units Considered After Filter |
|---|---|---|---|
| USA | 93 | 19,000 acres Minimum Acreage Required By Ground Battalion To Conduct Maneuver | 31 |
| USMC | 13 | | 5 |
| USN | 758 | | 2 |
| USAF | 94 | | 7 |
| Totals: | 958 | | 45 |

**Issue: Fort Hunter-Liggett, CA**

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# Range Subgroup

## Ground Training Installation List
## (19,000 acre filter and certified data)

**ARMY**

DUGWAY PROVING GROUNDS
FORT BLISS/MCGREGOR
“FORT CARSON (Pinyon Canyon)”
FORT HUACHUCA
FORT LEONARD WOOD
FORT POLK
FORT RUCKER
FORT STEWART/HUNTER ARMY AIRFIELD
FORT SAM HOUSTON (Camp Bullis)
YAKIMA TRAINING CTR
FORT A P HILL
FORT BRAGG
FORT DRUM
FORT JACKSON
FORT LEWIS
FORT RICHARDSON
FORT SILL
FORT HOOD
NTC AND FORT IRWIN
WHITE SANDS MISSLE RANGE
FORT BENNING
FORT CAMPBELL
FORT GORDON
FORT KNOX
FORT MCCOY
FORT RILEY
FORT WAINWRIGHT
HAWTHORNE ARMY DEPOT
SCHOFIELD BRKS
YUMA PROVING GROUND

**MARINE CORPS**

CG_MCB_QUANTICO_VA
CG_MAGTF_TRNGCOM (29 Palms)
CG_MCB_CAMP_LEJEUNE_NC
MCMWTC BRIDGEPORT
CG_MCB_CAMPEN (Pendleton)

**AIR FORCE**

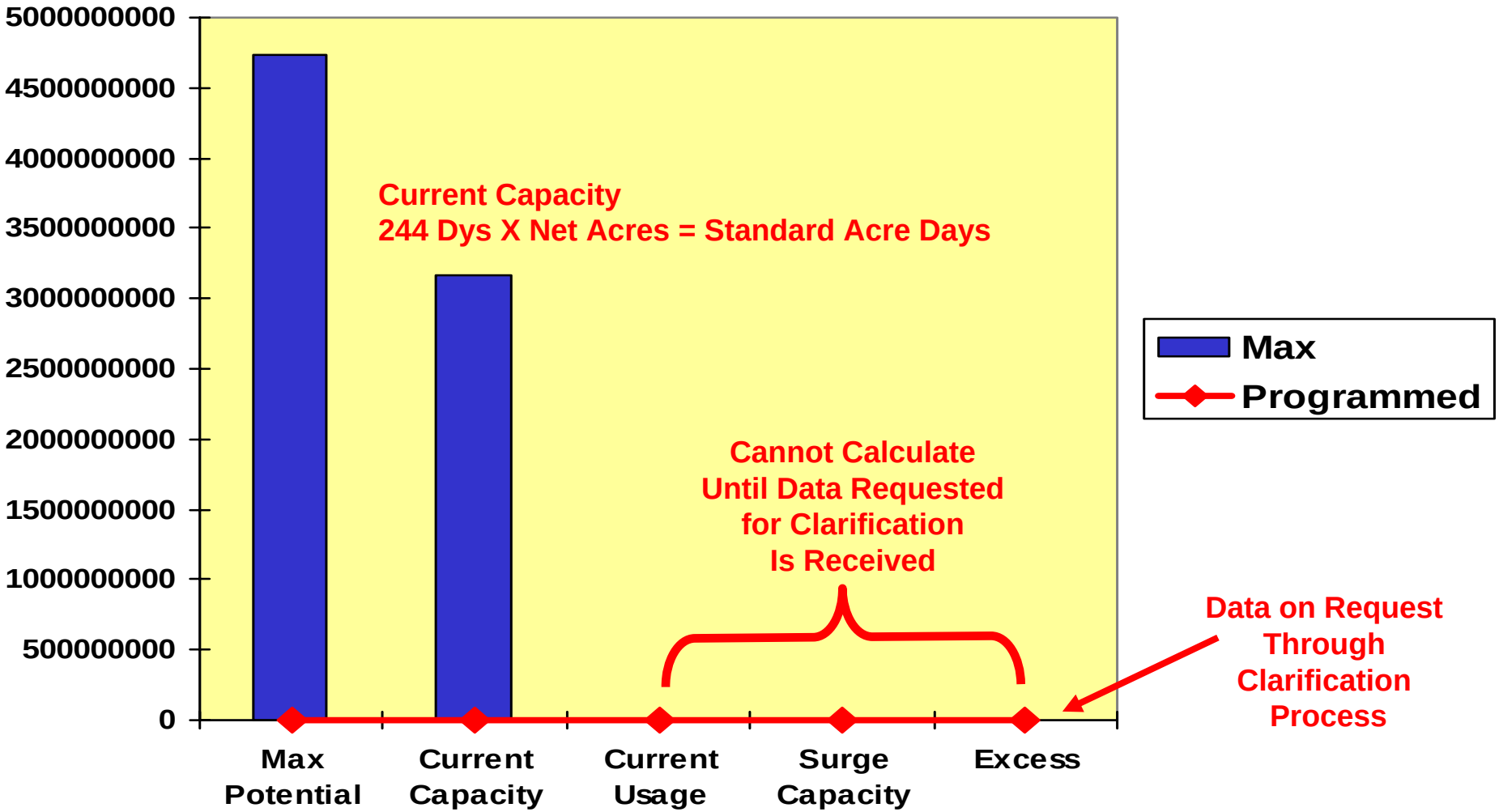
SHAW AFB (AVON PARK)
EGLIN AFB
LUKE AFB (GOLDWATER)
CANNON AFB (MELROSE)
HILL AFB (UTTR)
NELLIS AFB (NTTR)
EDWARDS AFB
HULMAN REGIONAL APT AGS

**NAVY**

NAS_WHIDBEY_ISLAND_WA (Boardman)
NAVAIRWARCEN (China Lake)
NAVSTKAIRWARCEN_FALLON_NV

# Range Subgroup

## Ground Training Capacity (Acre/Dys)



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# Ground Range Capacity
(In Acre-Days)

Draft Deliberative Document -
For Discussion Purposes Only

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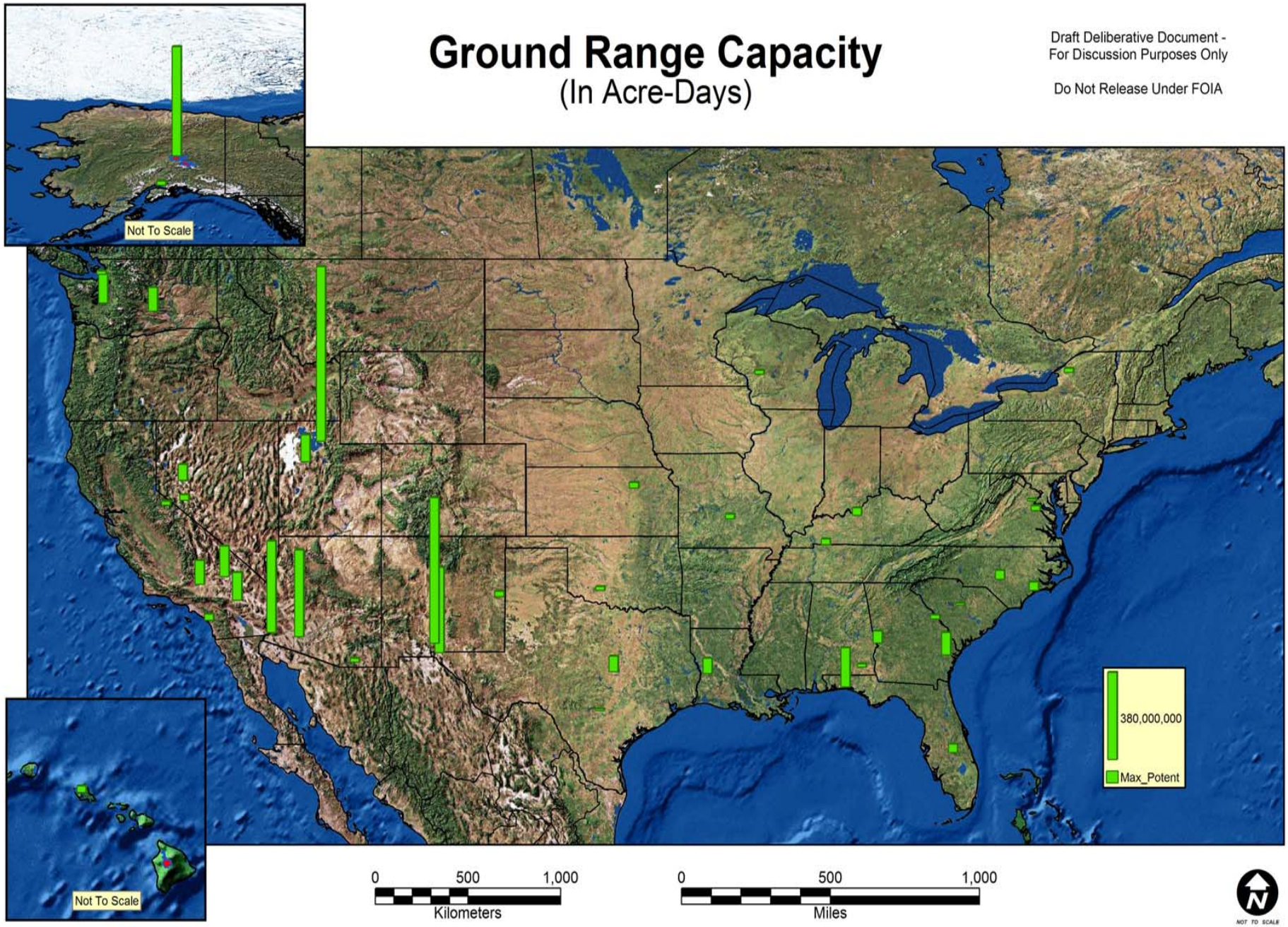

# Range Subgroup

## Ground Training: Issue

### Fort Hunter-Liggett, CA

- Not included on Army TABS installation list for BRAC.
- Not included in data calls.
- Currently “owned” by Army to support USAR mission
- BRAC transfer from AC to USAR in 95
- Would pass the 19K acre filter (contains 139K acres for maneuver)
- Primary ground training site for Army RC and Navy Construction Battalions

- RECOMMENDATION: OSD BRAC direct Army to include Ft Hunter-Liggett in Army installations considered for BRAC 05.

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# Range Subgroup

## Sea Space Training: Capacity Scope

| Service | Number Units Reporting | Collective Tng Filter | Units Considered After Filter |
|---|---|---|---|
| USA | 93 | 50 NM2 | 0 |
| USMC | 13 | | 2 |
| USN | 758 | | 18 |
| USAF | 94 | | 2 |
| Totals: | 958 | | 22 |

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# Range Subgroup

## SEA SPACE TRAINING INSTALLATION LIST

**USN**

NAVSTA PEARL HARBOR
COMSUBFORLANT, NORFOLK VA
FACSFAC JACKSONVILLE
FACSFAC VACAPES OCEANA
NAS KEY WEST
NAS PENSACOLA
NAVSUPPACT PANAMA CITY
COMVANAVSURFWARCEN COASTSYSSTA PANAMA CITY
KEYPORTNAVUNSEAWARCENDIV NEWPORT
COMSUBGRU2
COMNAVAIRWARCENACDIV PATUXENT RIVER MD
COMSUBFORPAC PEARL HARBOR
FACSFAC SAN DIEGO
FCTCLANT DAM NECK
NAS PATUXENT RIVER
NAVAIRWARCENWPNDIV PT MUGU
NAVSURFWARCENDIV DAHLGREN
NAVUNSEAWARCENDIV
PACMISRANFAC HAWAREA BARKING SANDS
COMNAVMARIANAS

**USMC**

CG_MCB_CAMP_LEJEUNE_NC
CG_MCB_CAMPEN (Pendleton)

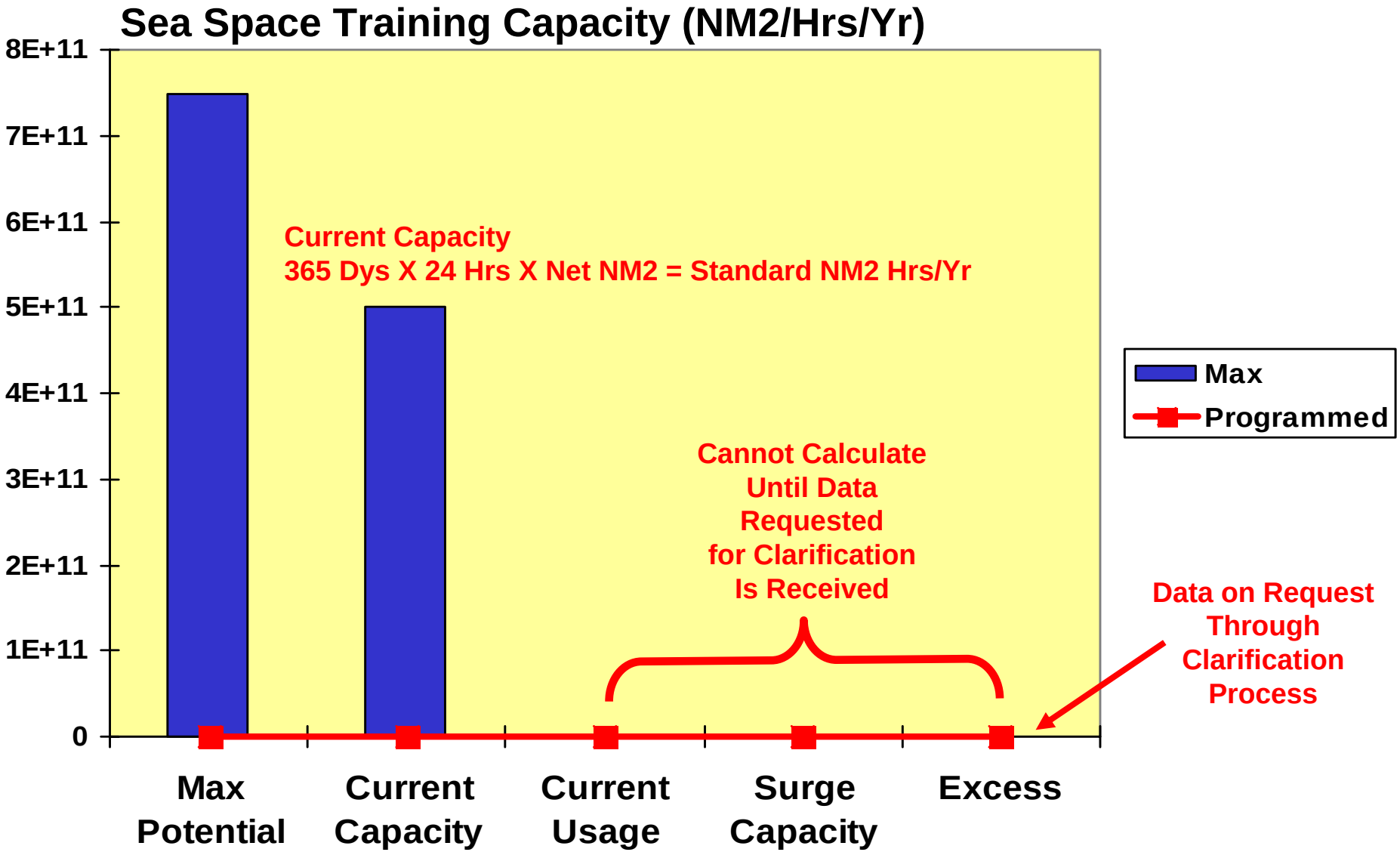
**USAF**

VANDENBERG AFB
EGLIN AFB

**USA**

None

# Range Subgroup



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# Range Subgroup

## Airspace Training: Capacity Scope

| Service | Number Units Reporting | Collective Tng Filter | Units Considered After Filter |
|---|---|---|---|
| USA | 93 | •*Restricted Areas* | 49 |
| USMC | 13 | •*MOAs* | 07 |
| USN | 758 | •*Warning Areas* | 33 |
| USAF | 94 | •*ATCAAs* | 77 |
| Army NG | 14 | | 14 |
| Totals: | 972 *NG added | | 180 |

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# Range Subgroup

## Airspace Training List (May be modified based on receipt of supplemental data)

**USAF:**

Atlantic City IAP AGS
Bangor IAP
BARKSDALE AFB
Barnes MPT AGS
BEALE AFB
Boise Air Terminal AGS
Bradley IAP AGS
BUCKLEY AFB
Camp Williams (ARNG, Salt Lake City)
CANNON AFB
Cape Canaveral AS
Capital APT AGS
Carswell ARS, NAS Fort Worth Jnt Res
Clear AFS
COLUMBUS AFB
CRTC_GULFPORT
Dane County Regional - Truax Field AGS
Dannelly Field AGS
DAVIS-MONTHAN AFB
Des Moines IAP AGS
Duluth IAP AGS
DYESS AFB
EDWARDS AFB
EGLIN AFB
EIELSON AFB
Ellington Field AGS
Ellington Fld
ELLSWORTH AFB
Elmendorf AFB
Fort Smith Regional APT AGS
Fort Wayne IAP AGS
Great Falls IAP AGS
Hancock Field AGS
Harrisburg IAP AGS
HILL AFB
HOLLOMAN AFB
HQ Florida Ang
HQ Ohio Ang
Hulman Regional APT AGS
Joe Foss Field AGS
Key Field AGS
KIRTLAND AFB
Klamath Falls IAP AGS
Lambert - St. Louis IAP AGS
Langley AFB
LAUGHLIN AFB
Lincoln MAP AGS
LUKE AFB
MacDill AFB
MCCHORD AFB
MCCONNELL AFB
Moody AFB
MOUNTAIN HOME AFB
NAS New Orleans ARS
NEADS HQ (formerly Griffiss AFB)
NELLIS AFB
OFFUTT AFB
Pope AFB
RANDOLPH AFB
Savannah IAP
Schriever AFB
Selfridge ANGB
Seymour Johnson AFB
Shaw AFB
SHEPPARD AFB
Sioux Gateway APT AGS
Springfield-Beckley MPT AGS
State College AGS, PA
Tinker AFB
Tucson IAP AGS
Tulsa IAP AGS
TYNDALL AFB
VANCE AFB
VANDENBERG AFB
W. K. Kellogg APT AGS
WHITEMAN AFB

# Range Subgroup

**Airspace Training List (May be modified based on receipt of supplemental data)**

**USMC**

CG_MAGTF_TRNGCOM
CG_MCAS_CHERRY_PT
CG_MCB_CAMP_LEJEUNE_NC
CG_MCB_CAMPEN
CG_MCB_QUANTICO_VA
MCAS_BEAUFORT_SC
MCAS_YUMA_AZ

**USN**

COMNAVAIRWARCENACDIV_PATUXENT_RIVER_MD
COMNAVAIRWARCENWPNDIV_CHINA_LAKE_CA
COMNAVMARIANAS_GU
COMSTRKFIGHTWINGPAC_LEMOORE_CA
FACSFAC_JACKSONVILLE_FL
FACSFAC_SAN_DIEGO_CA
FACSFAC_VACAPES_OCEANA_VA
NAS Brunswick
NAS_ATLANTA_GA
NAS_CORPUS_CHRISTI_TX
NAS_JRB_FT_WORTH_TX
NAS_KEY_WEST_FL
NAS_KINGSVILLE_TX
NAS_MERIDIAN_MS
NAS_PATUXENT_RIVER_MD
NAS_PENSACOLA_FL
NAS_WHIDBEY_ISLAND_WA
NAS_WHITING_FIELD_MILTON_FL
NAVAIRWARCENWPNDIV_PT_MUGU_CA
NAVSTA_PEARL_HARBOR_HI
NAVSTKAIRWARCEN_FALLON_NV
NAVSURFWARCENDIV_DAHLGREN_VA
Office of Naval Research, Atmospheric Sciences
PACMISRANFAC_HAWAREA_BARKING_SANDS_HIWallops Island

# Range Subgroup

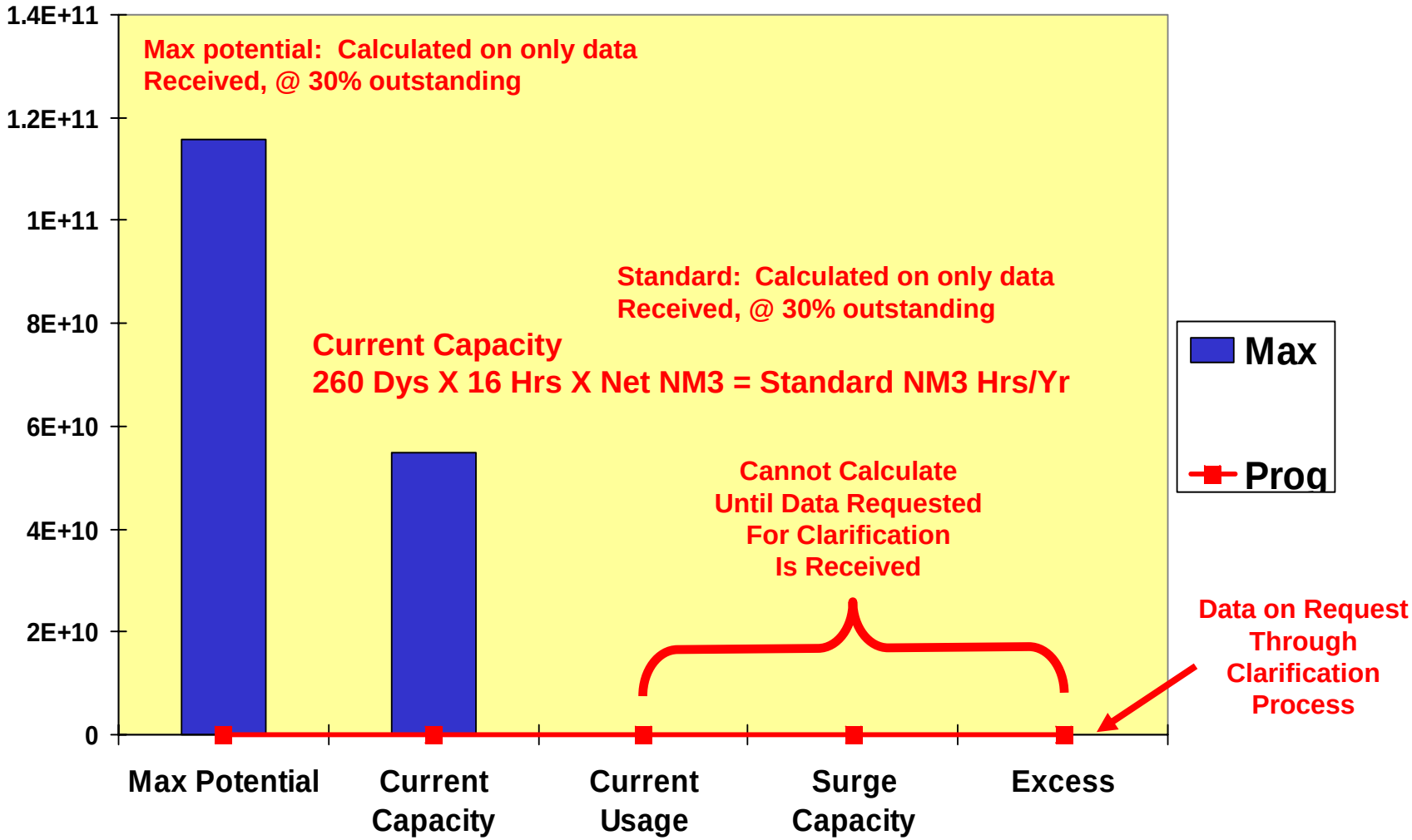
**Airspace Training List (May be modified based on receipt of supplemental data**

**USA**

**ABERDEEN PROVING GROUND**
**Camp Florence**
**Camp Guernsey**
**Camp Robinson**
**FORT A P HILL**
**FORT BRAGG**
**Fort Chaffee**
**FORT DRUM**
**FORT HUACHUCA**
**FORT JACKSON**
**FORT LEONARD WOOD**
**Fort Pickett**
**FORT RILEY**
**FORT STEWART**
**LETTERKENNY ARMY DEPOT**
**REDSTONE ARSENAL**
**Sierra Army Depot**
**WHITE SANDS MISSILE RANGE**
**ANNISTON ARMY DEPOT**
**Camp Grafton**
**Camp Ripley**
**DUGWAY PROVING GROUND**
**FORT BENNING**
**FORT CAMPBELL**
**Fort Devens**
**FORT GORDON**
**Fort Hunter-Liggett**
**FORT KNOX**
**FORT LEWIS**
**FORT POLK**
**FORT RUCKER**
**FORT WAINWRIGHT**
**Navajo Ordnance Depot**
**SCHOFIELD BARRACKS**
**Tooele Army Depot**
**YUMA PROVING GROUND**
**Camp Edwards**
**Camp Grayling**
**Camp Roberts**
**FORT BLISS**
**FORT CARSON**
**FORT DIX**
**FORT HOOD**
**Fort Indiantown Gap**
**Fort Lee**
**FORT MCCOY**
**FORT RICHARDSON**
**FORT SILL**
**Hawthorne Army Ammunition Plant**
**NTC AND FORT IRWIN CA**
**Seneca Army Depot**
**WEST POINT MIL RESERVATION**

# Range Subgroup

## Airspace Training Capacity (NM3/Hrs/Yr)



# Range Subgroup

## Capacity Analysis Attributes: Training

**Attribute:**

- **Physical Plant**
  - Airspace Volume
  - Sea Space Volume
  - Ground Space Volume

- **Workload and Utilization**
  - Events
  - Levels of Capacity (Replaced with E&T approved definitions)

- **Sustainability**
  - Encroachment Factors
  - Environmental Conditions and Limitations

**Note: Simulation Centers will be part of Military Value Analysis.**

# Range Subgroup

## T & E

# Range Subgroup

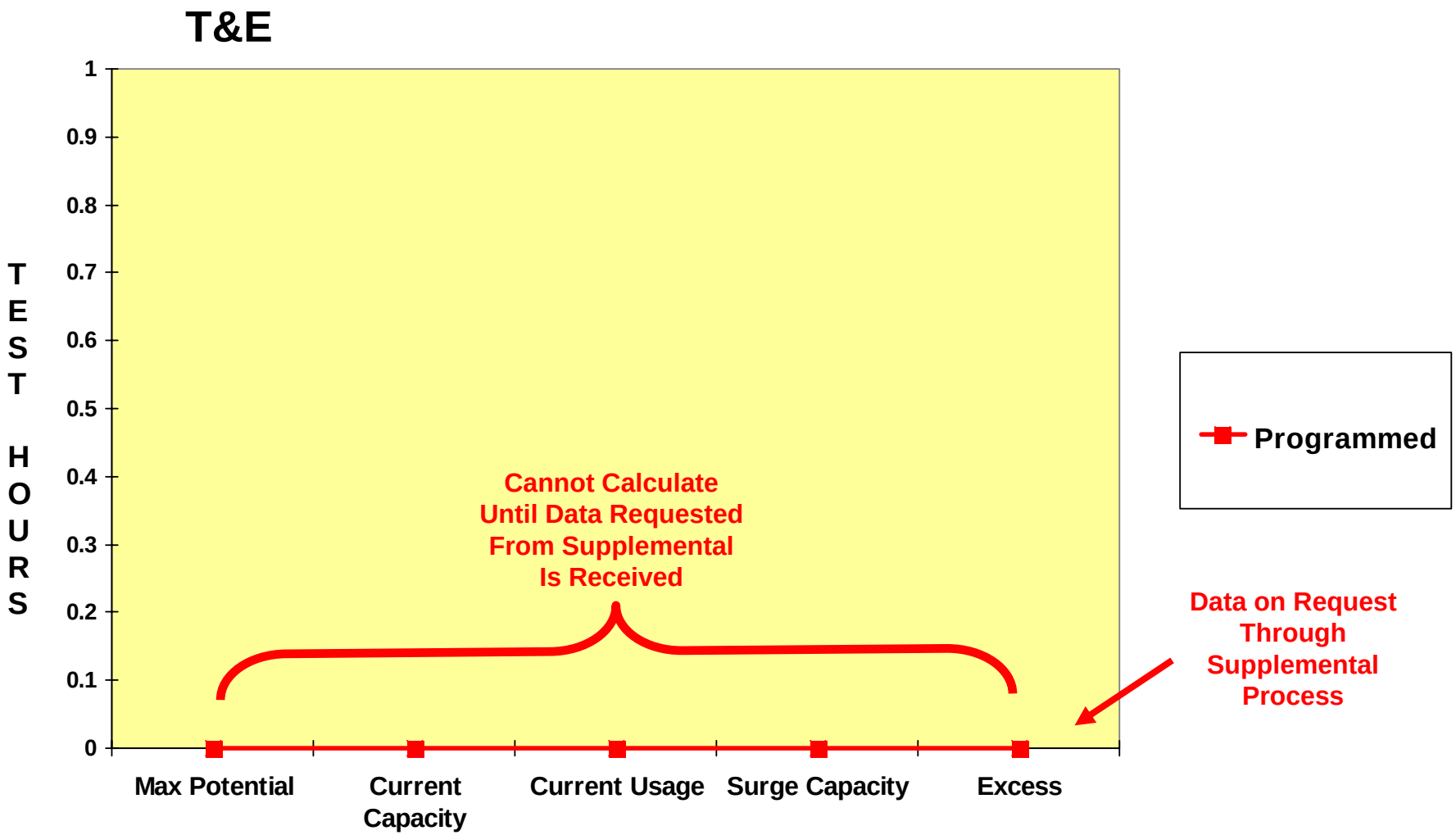
**T&E Ranges Workload Challenge:**

**•Test ranges are workloaded according to customer requirements and the test capabilities provided by the range.**

**•Testing is constrained**
- **•by the type of testing required**
- **• the instrumentation required**
- **• milestone decision supported**

**•Safety considerations determine how many test events can take place concurrently**

# Range Subgroup



# Range Subgroup

## Capacity Analysis Attributes: T&E

**Attribute:**

- **Workload as measured in test hours**

- **Levels of Capacity (Replaced with E&T Approved Definitions)**

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# Range Subgroup

## T&E Installation list

(May be modified upon receipt of supplemental data)

Army:

Aberdeen Proving Ground, MD
Fort AP Hill, VA
Fort Benning, GA
Fort Bragg, NC
Fort Huachuca, AZ
Fort Rucker, AL
Hawthorne Army Depot, NV
Lima Army Tank Plant, OH
Pine Pluff Arsenal, AR
Rock Island Arsenal, IL
White Sands Missile Range, NM
Dugway Proving Ground, UT
Fort Belvoir, VA
Fort Bliss, TX
Fort Eustis, VA
Fort Monmouth, NJ
Fort Wainwright, AK
Kansas Army Ammunition Plant, KS
Picatinny Arsenal, NJ
Redstone Arsenal, AL
Toole Army Depot, UT
Yuma Proving Ground, AZ

Navy:

NAWC-WD Pt. Mugu, CA
NAWC-AD Patuxent River, MD
NUWC Keyport, WA
NSWC Dahlgren, VA
NAWC-WD China Lake, CA
PMRF Barking Sands, HI
NUWC Newport, RI

Air Force:

Barksdale AFB, LA
Eglin AFB, FL
Nellis AFB, NV
Edwards AFB, CA
Hill AFB, UT
Vandenberg AFB, CA

Working Document –For Discussion Purposes Only – Do Not Release Under FOIA

# Range Subgroup

## *Status of requests for clarification (# questions requested)*

| Training | Requested | Closed | Open |
|---|---|---|---|
| **Army**<br>#152; 157 160; 169 | 4 | 0 | 4 |
| **Air Force**<br>#152; 157; 160; 169; 192, 193 | 6 | 0 | 6 |
| **Navy/USMC**<br>#152; 157; 160; 169; 192, 193 | 6 | 0 | 6 |
| **Total** | 16 | 0 | 16 |

**T&E: No Clarifications (Capacity Supplemental Data Call)**

# Range Subgroup

## Range Subgroup – Overarching Issue:

- Services (MilDeps) are over-ruling specific MilVal Questions
- This will likely skew the MilVal methodology previously approved by E&T JCSG
- Services also presenting major challenges to requested T&E Capacity data call supplemental

# E &T Joint Cross Service Group

## *Updates*

- ❑ **Interim Capacity Analysis Report #2**
  - **Forward once E&T JCSG approves updates**
- ❑ **Final Military Value Report**
  - **Update -- Flight Training reviews scoring plans**
- ❑ **Transformational Options due to ISG 8 Jul**