BRAC 2005

EDUCATION AND TRAINING JOINT CROSS-SERVICE GROUP

MEETING MINUTES OF 27 MAY 2004

The Principal Deputy Under Secretary of Defense (P&R), Mr. Abell, chaired the 15th meeting of the E&T JCSG. Attendee List is at Attachment 1.

Mr. Abell welcomed the E&T JCSG principals then introduced Mr Howlett, E&T JCSG Coordinator, who provided a brief overview of the meeting agenda. The purpose of this meeting was for subgroups to provide capacity analysis updates to E&T JCSG principals. Interim capacity analysis reports are due to the ISG on 28 May 2004; final reports are due 23 June 2004.

Subgroup Chairs or their representatives briefed the results of their "Quick Look" which was used to build the E&T JCSG Interim Capacity Analysis Report. (Briefing slides are at Attachment 2.) All four subgroups were able to perform their analyses and validate formulas. Each subgroup selected specific installations that currently perform sub-functions within their subgroup's area of responsibility IAW the ISG Chairman's May 14, 2004, memorandum "Results of JCSG Capacity Analyses." Formulas were tested by determining current capacity, maximum potential capacity, and current usage (including surge). All four subgroups experienced significant problems with the data submitted from the DoD agencies and Military Departments. Internal procedures have been established to request missing/incomplete/ erroneous data from Services and DoD Agencies by the E&T JCSG subgroups. However, subgroups anticipated completion of capacity analyses will require more time than currently allowed by the OSD-BRAC timeline. E&T JCSG Chair will notify ISG of anticipated delay in the memo forwarding the E&T JCSG Interim Capacity Analysis Report.

Following the subgroups' update briefings, the principals revisited key capacity analysis terms and the evolving definitions for current capacity, maximum potential capacity, and surge capacity. Principals agreed that definitions should be clarified and briefed as adapted by each subgroup at the next E&T JCSG meeting.

The Chair concluded the meeting by again thanking the subgroups and their respective members for their hard work. The next scheduled meeting is 10 June 2004.

Approved: Charles S. Abell

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

Attachments:

1. List of Attendees, 27 May 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
27 May 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
- MG Buford Blount, USA, Deputy G-3
- COL(P) Tom Maffey, USA, JCS VDJ-7
- Col Mike Massoth, USMC, Deputy Director, Training and Education Command
- CAPT Bill Wilcox, USN, N1D

Others:

- Maj Gen William Fraser III, USAF, AETC/DO
- Mr. Dan Gardner, Office of the Secretary of Defense (P&R)
- Mr. James Gunlicks, Director Training Army G-3
- Mr. Bob Howlett, E&T JCSG Coordination Team
- Col Nancy Weaver, USAF, E&T JCSG Coordination Team
- Mr. Thomas Macia, E&T JCSG Ranges BRAC
- Col Jerry Lynes, USMC, Division Chief, Joint Education & Doctrine, J-7
- CAPT Gene Summerlin, USN, Navy BRAC
- Col James Briggs, USAF, AETC/DOO
- CDR Bradley Roberson, USN, E&T JCSG PDE Subgroup
- Mr. Bob Harrison, DAMO-TR
- Col Jimmie Simmons, USAF, AETC/DOR
- Lt Col Anne Fitch, USAF, Air Force BRAC
- Mr. Steve Belcher, DON IAT
- CPT William Taylor, E&T JCSG PDE Subgroup
- Mr. Brian Buzzell, OSD BRAC Contract Support
- Mr. Ken VanHove, DOD/IG
- SSG Kevin Lipscomb, USA, E&T JCSG Coordination Team

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

Education & Training Joint Cross Service Group

E&T JCSG Principals Meeting
27 May 2004

Mr. Charles Abell
Chairman, E&T JCSG

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

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

Agenda

- Overview
- Interim Capacity Analysis Report Summaries
  - Flight Training
  - Professional Development Education
  - Specialized Skill Training
  - Ranges
- Decisions/Updates
- Next meeting
  - Next scheduled meeting — 11 June 2004, 1300
  - Call for topics

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

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

Flight Training

Required resources (for each function) ⟷ **Available resources** (at each facility)

Syllabus requirements **X** Annual student throughput requirements

- Runway ops/student
- Sorties/student
- Airspace req.
- Classroom time
- Simulator time

- Pilot training rates
- NFO training rates

- Runway capacity
  - Main field
  - Outlying fields
- Airspace capacity
- Classrooms
- Simulators

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

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

Runway Capacity - Methodology

- **Metric: Runway operations per year at main field and all outlying fields**
- **Methodology based on FAA advisory circular 150/5060-5: "Airport Capacity and Delay"**
- **Data elements:**
  - **Runway-use configurations (primary, crosswind)**
  - **Operating schedules (hr/day, days/yr)**
  - **Weather**
    - **Visibility (% VFR, IFR)**
    - **Winds (% crosswinds)**
  - **Aircraft mix (light & heavy aircraft)**
  - **Percent touch and go operations (count as 2 ops)**
  - **Exit taxiway locations**

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

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

Runway Capacity - Example

	Annual Runway Operations	
	NAS Kingsville	Columbus AFB
Current Capacity	344,672	323,069
Current Usage	213,396	262,849
Excess (current)	131,276 (38 %)	60,220 (19 %)
Maximum Potential Capacity	388,128	462,308
Maximum Future Requirement	85,370	331,164
Excess (maximum)	302,758 (78 %)	131,144 (28 %)
Maximum Potential Capacity	388,128	462,308
Surge Requirement	102,444	397,397
Excess (surge)	285,684 (74 %)	64,911 (14 %)

= Max Future Requirement + 20%

[redacted]

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

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

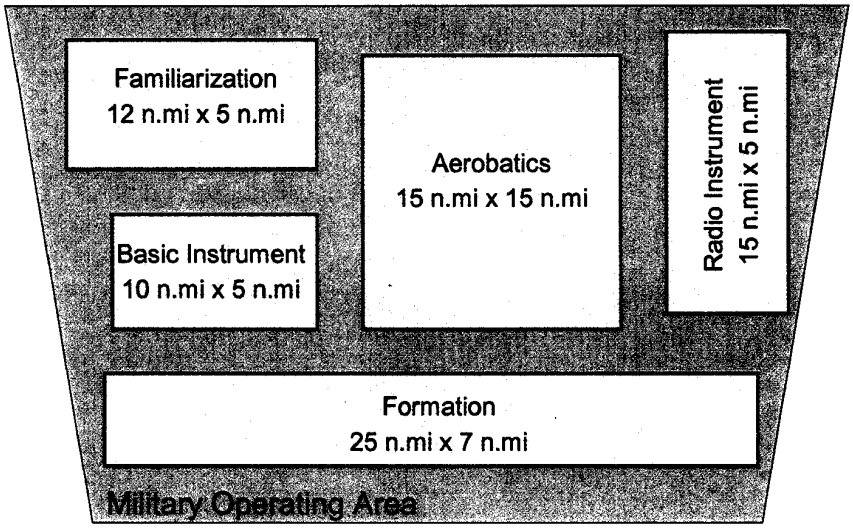
Airspace Capacity - Methodology

- Metric: Amount (sq. n.mi) of Special Use Airspace
- Methodology:
  - Input:
    - Detailed description of flying training syllabi
    - Size of airspace block for each flying event
  - Compute number of blocks required for given pilot training throughput
  - Calculate total amount (sq. n.mi.) of airspace required
    - Number of blocks x size of block
  - Compare to available SUA schedule or controlled by air station

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

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

Airspace Capacity - Methodology



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

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

Airspace Capacity - Example

	Airspace (sq.n.mi.)	
	NAS Kingsville	Columbus AFB
Current Capacity	14,363	7,270
Current Usage	TBD	TBD
Excess (current)	TBD	TBD
Maximum Potential Capacity	14,363	7,270
Maximum Future Requirement	5,950	6,000
Excess (maximum)	8,413 (59%)	1,270 (17%)
Maximum Potential Capacity	14,363	7,270
Surge Requirement	7,140	7,200
Excess (surge)	7,223 (50%)	70 (1%)

= Max Future Requirement + 20%

[redacted]

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

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

Flight Training Issues/Concerns

- Data quality
  - Group has identified areas where Service-provided data may be incorrect, incomplete or missing
  - Will work with Services to resolve data issues
  - Likely to delay 23 June completion schedule
- Runway capacity for helicopter operations
  - FAA Runway Capacity methodology valid for fixed-wing aircraft
  - Group developing similar method for helicopter operations based on number of landing/take-off pads at main field and outlying fields
- Require certified data from Services for training, infrastructure, and facility requirements for JSF and UAVs to complete capacity analysis
  - Future systems that were not addressed in capacity data call

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

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

Professional Development Education

- Issues/Impacting Analysis
  - Equations appear to be valid for data received
  - Roll up of PDE Classroom question with other subgroup caused lack of granularity necessitating a supplemental data call
  - Navy data submitted by activity vice installation (facility). Navy BRAC office will resubmit data rolled-up activities by installation
  - Contractor support required for data manipulation and administrative support
  - Inaccurate, missing and un-conveyed data identified for MILDEP support

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

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

Professional Development Education

- Marine Corps Base (MCB) Quantico: Quick Look
  - Current Capacity:
    - Classrooms: Data Not Available
    - Instructor Spaces: 7105 NSF
    - Auditoriums: Data Not Available
    - Administrative Support Space: 5558 NSF
  - Current Usage:
    - Classrooms: Data Not Available
    - Instructor Spaces: 7020 NSF
    - Auditoriums: 1704 NSF
    - Administrative Support Space: 15,800 NSF
  - Maximum Potential Capacity:
    - Same As Current Capacity

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

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

Professional Development Education

- Marine Corps Base (MCB) Quantico: Quick Look (cont.)
- Potential Excess Capacity:
  - Percentage of Classroom Space Requirement Met: Data Not Available
  - Percentage of Instructor Space Requirement Met: 155%
  - Percentage of Administration Space Met: 34%
  - Percent of Requirement Met Based on Projected Student Throughput Academic Year 2004 to 2008: Data Not Available

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

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

Specialized Skill Training

- Fort Sill used for the "Quick Look." Hosts all 3 sub-functions (Initial Skills, Skill Progression, and Functional Training). Three areas considered for capacity: Classrooms, Billeting, Messing
- Classroom capacity calculation:

Course ID	Course Title	Sub-Function	Annual Student Throughput (Grads)	Max Class Size Per POI	Classroom Hours Per Student	Student AOB	NSF per Student	Net Area Space Requirement (sq. ft.)
250-0848 (OS)	ARTILLERY OPERATIONS CHIEF (USMC)	FUNCTIONAL	31	26	311	4.9	19.5	144
221-13R10	FIELD ARTILLERY FIREFINDER RADAR OPERATOR	INITIAL SKILL	31	12	33	0.5	22	17
250-ASID3	BRADLEY FIRE SUPPORT VEHICLE (BFIST) OPERATOR	SKILL PROGRESSION	24	8	47.5	0.6	22	19
								181

- Billeting capacity calculation:
  - Capacity – number of students that can be housed
  - Requirement – number of students requiring billeting
  - Data incomplete – "rooms" versus "students"

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

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

Specialized Skill Training

- Messing capacity calculation:
  - Capacity: Number of students that can be served in a 2 hour period of four 30 min seatings
  - Requirement: Number of students per day that must be fed in a government messing facility on-base
- Formulas: Average-on-Board method acceptable, but must have capacity to handle the highest periods of student population
- Propose surge capability be addressed by adding 20% to the final requirements
- Capacity formulas were validated. Concluded Student-Time Distribution Method gives a more exact measure of capacity for courses with multiple delivery methods
- All sub functions (Initial Skills, Skills Progression, and Functional Training) use similar formulas

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

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

Specialized Skill Training

- **Fort Sill "Quick look"**
- **Current capacity**
- **Maximum potential capacity (Analysis based on 1 shift – can be increased by adding shifts, adding beds above design capacity)**
- **Current usage, including capability to surge**

	Billeting			Classrooms (sq. ft.)			Messing		
Installation	Usage	Capacity	Delta	Usage	Capacity	Delta	Usage	Capacity	Delta
	Q107	Q18		Q104	Q97		Q94	Q95	
Ft Sill - Org Code 40801									
Initial Skills	2247.99	No Data	TBD	2498	N/A		4664.4	8800.0	4135.6
Skills Progression	386.93	No Data	TBD	26	N/A		N/A	N/A	N/A
Functional	182.38	No Data	TBD	560	N/A		N/A	N/A	N/A
Total:	**2817.285**			**3084**	**80015** *	**76931**	**4664.4**	**8800.0** *	**4135.6**

* Caution: Capacity data is high because One Station Unit Training was improperly reported as SST

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

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

Specialized Skill Training

- **Problems/concerns/issues:**
  - **Large volume of data to process, no dedicated analyst**
  - **Approx 3 weeks to get corrected certified data**
  - **Billeting capacity data needs to be requested again**
- **Data quality:**
  - **Many "holes" in the data – fields missing, some data inconsistent**
  - **Some Navy data submitted in attached spreadsheets and not yet in database. Navy data provided by activities and must be compiled into capacity within installations**
- **Impact on 23 Jun deadline:**
  - **Assuming corrected data received by 14 June, will have 8 days to conduct analysis. Expect final analysis to require an additional 2 weeks**

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

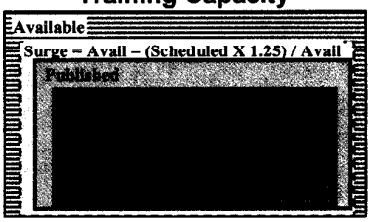
Working Document–For Discussion Purposes Only – Do Not Release Under FOIA

Ranges

- **Methodology used to determine if formulas are adequate:**

Wynne Memo	Training	T&E
CURRENT CAPACITY	PUBLISHED	AVERAGE FY01-03 (TEST HOURS)
MAX POTENTIAL CAPACITY	AVAILABLE	PEAK YEAR (TEST HOURS)
CURRENT USAGE	SCHEDULED	CURRENT CAPACITY
CAPABILITY TO SURGE	AVAILABLE - (SCHED X 1.25)/ AVAILABLE = % Excess	10% OF CURRENT CAPACITY

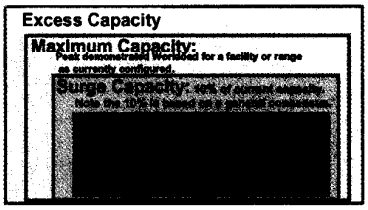
Training Capacity



Excess = Avail-SNRLE

EXCESS Capacity

T&E Capacity



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

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

Ranges

TRAINING: Ft Campbell, KY (Acre Days)

- **CURRENT CAPACITY** 16,074,850
- **MAX POTENTIAL CAPACITY** 24,244,760
- **CURRENT USAGE** 16,074,850
- **SURGE** 20,093,562
- **Excess** 4,151,198
- **Excess Percentage** 26%

  Current – (current usage (x) 1.25)/Current

- **Formula was successful.**
- **Data reporting was incomplete, missing or not convertible for use. e.g. current usage (scheduled) was asked in average days per year using the average of FY 01,02, and 03. Maximum would have to be 365 days, yet many reporting installations numbers were higher than 365**

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

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

Ranges

T&E: Aberdeen PG, MD (Test Hours)

• CURRENT CAPACITY (Avg FY01,02,03)	870,842
• MAX POTENTIAL CAPACITY (Peak)	897,440
• CURRENT USAGE Current Capacity)	870,842
• SURGE (10% of Current Usage)	87,084
• Current Plus Surge	957,926
• Excess (Max Potential)	-60,486
• Excess Percentage	-6.74%

- Formula was successful (basically same as BRAC '95)
- Requests for Clarification and supplemental data call will be required before meaningful data for capacity can be reported.

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

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

Ranges

- We cannot complete an initial capacity analysis by 23 Jun without corrected data. We must lock data on a specific date to do so
  - Current data can not be used to assess capacity
  - Some of the most salient questions in the first data call were modified in the standardization process and did not yield the data desired
  - We assume that 23 Jun suspense to ISG will mean an earlier suspense to E&T JCSG?
  - Cannot update on weekly basis between now and then. Can update at set intervals after initial submission

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

Ranges

- Training data is generally of insufficient quality to provide a complete capacity assessment. To meet the 23 Jun date, responses to re-formatted questions will need to be back to the subgroup NLT mid June. This must go through the JCSG, MILDEP, Installation (Installation Response) back up the chain with time for JCSG Subgroup analysis
  - Ground Training Data requires a clarifying question concerning scheduled and published (days available for use) Question #152
  - Some Inadequate or no data received (e.g. Fort Carson, CO (Army) no maneuver area)
- T&E Data
  - Range Data received precludes an accurate capacity assessment of open-air or training ranges used for T&E across DoD by the 23 June suspense. The most salient question #748 in the first data call was modified in the standardization process and did not yield the data desired. The question has been reformatted and submitted for data call #2.
- Concerns:
  - Training usage for FY01- 03 may be understated due to deployments.
  - Current usage does not convey potential for Cross-Service scenarios

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

E&T JCSG

Update on pending actions

- ❑ Procedures for requesting clarification on capacity data from MilDeps
- ❑ Letter to Service Principals requesting future requirements
- ❑ Graduate-level Flight Training

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