



Electronic Attack/GPS EA Process

**USN/USMC
Spectrum Management
Conference
March 01-05 2010**

**Johnnie Best
NMSC**

Telecommunications Specialist

Distribution A: Approved for public release

Report Documentation Page

Form Approved
OMB No. 0704-0188

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

1. REPORT DATE MAR 2010		2. REPORT TYPE		3. DATES COVERED 00-00-2010 to 00-00-2010	
4. TITLE AND SUBTITLE Electronic Attack/GPS EA Process				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Navy Cyber Forces, Navy and Marine Corps Spectrum Center, Norfolk, VA, 23511				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES 31st Annual USN-USMC Spectrum Management Conference, 1-5 Mar 2010, San Diego, CA					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			
unclassified	unclassified	unclassified	Same as Report (SAR)	12	



Outline



-
- **Governing Documents**
 - **EA Request Types and Requirements**
 - **EA Request Procedures**
 - **Common Errors**
 - **Deconfliction sheet error**
 - **Trends**
 - **EA Authorizations**



Governing Documents



- **CJCSM 3212.02B (15 October 2003):**
 - Standard Jamming and Chaff
 - Currently under revision
 - Enclosure D being revised for C-IED

- **CJCSM 3212.03 (15 December 2008):**
 - GPS EA
 - Supersedes Enclosure D of CJCSM 3212.02B



EA Request Types and Requirements



- **EA Jamming and Chaff**
 - Request
- **Global Positioning System EA**
 - Request (Classified IAW GPS classification guide)
 - GIANT-RPM Modeling Plots
 - PDF Analysis reports
 - Deconfliction sheet (if test geographically conflicts)
- **Counter Improvised Explosive Device**
 - Request
 - Builder analysis files



EA Request Procedures



- **Navy EA Procedures:**
 - User submits request package to their regional NMCSO

- **NMCSO reviews request for:**
 - Request package completeness
 - Classification
 - Pre-coordination with local spectrum users (i.e. AFCs and FAA)
 - Request is IAW CJCSM 3212.02B or CJCSM 3212.03



EA Request Procedures (cont)



- **NMSC submits package for coordination:**
 - Ensure analysis files are delivered to JSC for QC
 - Coordinate requests with Joint Staff, FAA, and FCC
 - Central point for National level coordination of all Department of the Navy EA requests

- **Lead Times:**
 - **60 days for EA and Chaff**
 - **60 days for GPS EA, plus 5 days for review prior to submittal**



Common Errors



- DSN phone numbers or no cease buzzer numbers (must have commercial numbers)
- “Last minute” GPS package submission
- Incomplete packages
- Deconfliction does not match request
- Deconfliction lists non-geographically conflicting tests
- Local vs. Zulu times
- Plots do not match request



Deconfliction sheet error



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	UNCLASSIFIED/FOUO												
2	All times ARE in Zulu												
3	Day	Date											
4			CHLK 10-0002			NSAWC 2010-0001 (Pending)		UTTR GPS 10-01 (Pending)					
5	Thursday	1-Apr-10	0001-0100	1400-1800	2000-2359								
6	Friday	2-Apr-10	0001-0100	1400-1800	2000-2359								
7	Saturday	3-Apr-10	0001-0100										
8	Sunday	4-Apr-10											
9	Monday	5-Apr-10		1400-1800	2000-2359								
10	Tuesday	6-Apr-10	0001-0100		2000-2359	0530-1030Z	1430-2000Z						
11	Wednesday	7-Apr-10	0001-0100		2000-2359		1430-2000Z						
12	Thursday	8-Apr-10	0001-0100		2000-2359	0530-1030Z	1430-2000Z						
13	Friday	9-Apr-10	0001-0100		2000-2359	0530-0930Z	1400-1930Z						
14	Saturday	10-Apr-10	0001-0100										
15	Sunday	11-Apr-10											
16	Monday	12-Apr-10		1400-1800	2000-2359								
17	Tuesday	13-Apr-10	0001-0100	1400-1800	2000-2359	0230-0730Z							
18	Wednesday	14-Apr-10	0001-0100	1430-2400Z		0230-0730Z	1430-2400Z					1400-2000	
19	Thursday	15-Apr-10		1400-1800	2000-2359	0001-0700						1400-2000	
20	Friday	16-Apr-10	0001-0100	1400-1800	2000-2359								
21	Saturday	17-Apr-10	0001-0100										
22	Sunday	18-Apr-10											
23	Monday	19-Apr-10		1400-1800	2000-2359								
24	Tuesday	20-Apr-10	0001-0100	1400-1800	2000-2359								



Trends



- **FAA is taking a hard-line approach to EA**
 - 2009 approval isn't automatic for 2010
 - Phoenix and DC GPS exclusion areas
- **CREW as training devices vs. surrogates**
 - Under review
- **Due to a better understanding of the EA process
FCC has been more flexible with use of their bands**



EA Authorizations



	<u>2008</u>	<u>2009</u>	<u>Pending for 2010</u>
EA	26	15	13
IED	7	7	1
GPS	20	11	3





NMSC EA POCs

- **Primary: ITC(SW) Mike Brown,703-325-2804,**
NIPR: micheal.brown@navy.mil
SIPR: micheal.brown6@navy.smil.mil
- **Alternate: Mr. Arthur Hamilton,703-325-2715,**
NIPR: arthur.hamilton1@navy.mil
SIPR: arthur.hamilton@navy.smil.mil
- **Alternate: Mr. Johnnie Best,703-325-2706,**
NIPR: johnnie.w.best1@navy.mil
SIPR: johnnie.w.best@navy.smil.mil
- **NMSC Email: NIPR: navyspectrum.fct@navy.mil**
SIPR: navy.spectrum@navy.smil.mil



QUESTIONS ?