

FAA Coordination

Attached is a copy of FAA coordinations NG T160002 (for Linthicum, MD) and NG T1500054 (for Hanover, MD) for renewal of experimental license WH2XRS, FCC File No. 0260-EX-CR-2017. These coordinations run through July 31, 2019.

Related to the FAA coordinations, Northrop Grumman Systems Corporation has agreed to the following comments/conditions on the license.

1. The interrogation rate must be set 357 interrogations per second with Mode 1,2,3A and C only.
2. The Modes 4/5/S are not authorized.
3. The Common Aviation Command and Control System (CAC2S) cannot be interfaced with G/ATOR system.

**Report for NG T150054 ( TEMP Database )**

\* \* Date Printed: 6/22/2017 9:57:52AM \* \*

<b>DKT</b>	<b>SEC</b>	<b>TYP</b>	<b>RTN</b>	<b>STT</b>	<b>DEC</b>	<b>LSR</b>	<b>ACN</b>	<b>DAT</b>	
		N		HW				22-JUN-17	
<b>CLA</b>	<b>CDD</b>	<b>FRQ</b>	<b>BIN</b>	<b>SER</b>	<b>BUR</b>	<b>NET</b>	<b>MBR</b>	<b>FOI</b>	<b>EXD</b>
U		M1030.0000		NG T150054	FCC				31-JUL-2019
<b>STC</b>	<b>EMS</b>	<b>PWR</b>	<b>NTS</b>	<b>AUS</b>			<b>AUD</b>	<b>RVD</b>	
XD	8M00M1D	K158.00000	C049						
<b>XSC</b>	<b>XAL</b>		<b>XLA</b>	<b>XLG</b>	<b>XAD (feet)</b>				
MD	HANOVER		391108.60N	0764209.30W	17GPHASEDARRY00236H0020T				
<b>XRC</b>	<b>XCL</b>	<b>XAP</b>	<b>XAZ</b>	<b>SPD</b>		<b>TME</b>	<b>ICI</b>	<b>MSD</b>	
		V	R			2			
<b>RSC</b>	<b>RAL</b>		<b>RLA</b>	<b>RLG</b>	<b>RAD</b>				
MD	HANOVER		391108.60N	0764209.30W	03GBLADE				
<b>RRC</b>	<b>ACL</b>	<b>RAP</b>	<b>RAZ</b>	<b>REM</b>					
I,DOD-S		V	ND	*PRR,357					
				*RAD,0150,R					
				*EQT,G,AN/UPX-44,FX,PD0.8					
				*NTS,M015,IRAC 39882/1,SPS-19332/1					
				*MFI,OTHER OPERATIONS					
				*IFI,TEST AND MEASUREMENT					
				*AGN,POWER IS EIRP					

**SUP**

TESTING IS SCHEDULED FOR MODES 1,2,3/A, AND C. BLANKING IS REQUIRED BETWEEN 016 AND 200 AZIMUTH DEG REFERENCE TO TRUE NORTH. TEST AND MEASUREMENTS SUPPORTS THE UPX-44 INTERROGATOR SYSTEM WITH G/ATOR TPS-80 RADAR INVOLVES TESTING OF TARGET OF OPPORTUNITY AIRBORNE TRANSPONDERS IN BOTH MILITARY AND COMMERCIAL AIRCRAFT. THE COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S) CANNOT BE INTERFACED WITH THE G/ATOR SYSTEM. MODES 4/5/S ARE NOT AUTHORIZED.

**FAS**

**FAU**

**CMT**

**ECK**

- WARNING:missing recommended field(s):P/W
- WARNING:field(s) that should NOT be present:SYS
- WARNING:PWR Greater than K1.5
- WARNING:EMS Does not contain 'P0N' or 'Q3N'.
- WARNING:STC must equal AL.
- WARNING:SER=NG and XRC is blank
- WARNING:REM[6]=\*IFI,is invalid.
- WARNING:REM[7] \*AGN must be followed by ',KEYWORD=' or '+'
- WARNING:FA is blank
- WARNING:SYS not found in SYSFCN table

SRS	SEX
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RDL1	RDL2	DIST	MIN	MAX
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Thursday, June 22, 2017 9:57:52AM

**History**

02/06/15 12:24:16	HQ	TA	4	HW	ADDED.
02/06/15 12:32:11	HQ	TA	4	HW	ADDED.
02/06/15 12:36:23	HQ	TA	4	HW	ADDED.
02/06/15 15:22:22	HQ	TA	4	HC	CHANGED:REM02,SUP02,SUP03,SUP04,SUP05,SUP06
06/22/17 09:44:46	HQ	TA	4	HW	CHANGED:SUP01,SUP02,SUP03,SUP04,SUP05,SUP06, SUP07
06/22/17 09:52:02	HQ	TA	4	HW	CHANGED:EXD
06/22/17 09:57:08	HQ	TA	4	HW	CHANGED:REM02

----- Report End -----

**Report for NG T160002 ( TEMP Database )**

**\*\* Date Printed: 6/22/2017 10:02:50AM \*\***

DKT	SEC	TYP	RTN	STT	DEC	LSR	ACN	DAT
		N		HW				22-JUN-17

CLA	CDD	FRQ	BIN	SER	BUR	NET	MBR	FOI	EXD
U		M1030.0000		NG T160002	FCC	ELS04			31-JUL-2019

STC	EMS	PWR	NTS	AUS	AUD	RVD
XC	8M10V1D	K96.60000	S144			
			C049			

XSC	XAL	XLA	XLG	XAD (feet)
MD	LINTHICUM	391056.70N	0764121.60W	17GPHASEDARRY00103H0020T

XRC	XCL	XAP	XAZ	SPD	TME	ICI	MSD
20150750		V	R				

RSC	RAL	RLA	RLG	RAD
MD	LINTHICUM	391056.70N	0764121.60W	03GBLADE

RRC	ACL	RAP	RAZ	REM
		V	ND	*PRR,357
				*AGN,+NORTHROP GRUMMAN SYSTEMS CORPORATI
				*AGN,+FAA,AEA,NG T150054
				*AGN,+PWR IS ERP
				*FLN,0117-EX-PL-2015
				*EQT,G,AN/UPX-44,FX,PD0.8
				*RAD,0150,R
				*AGN,+INTERROGATIONS ARE TO BE BLANKED
				*AGN,+BETWEEN 16 - 200 DEGREES REFERENCE
				*AGN,+TO TRUE NORTH.

**SUP**

TESTING IS SCHEDULED FOR MODES 1,2,3/A, AND C. TEST AND MEASUREMENTS SUP  
 PORTS THE UPX-44 INTERROGATOR SYSTEM WITH G/ATOR TPS-80 RADAR INVOLVES T  
 ESTING OF TARGET OF OPPORTUNITY AIRBORNE TRANSPONDERS IN BOTH MILITARY A  
 ND COMMERCIAL AIRCRAFT. THE COMMON AVIATION COMMAND AND CONTROL SYSTEM (  
 CAC2S) CANNOT BE INTERFACED WITH THE G/ATOR SYSTEM. MODES 4/5/S ARE NOT  
 AUTHORIZED. U.S. NAVY/USMC CONTRACT NO. M67854-07-C-2027, POC MAJOR CHRIS  
 STEPHENSON, TEL 703-784-0620 (WORK), 703-798-3138 (MOBILE). INTERROGAT  
 IONS ARE TO BE BLANKED BETWEEN 16-200 DEGREES REFERENCE TO TRUE NORTH.

**FAS**

**FAU**

**CMT**

**ECK**

WARNING:missing recommended field(s):P/W

WARNING:PWR Greater than K1.5

WARNING:EMS Does not contain 'P0N' or 'Q3N'.

WARNING:STC must equal AL.

WARNING:FA is blank

SRS	SEX
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RDL1	RDL2	DIST	MIN	MAX
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Thursday, June 22, 2017 10:02:51AM

**History**

12/08/15	16:11:04	HQ	AR	4	HN	ADDED.
06/22/17	09:55:58	HQ	TA	4	HW	CHANGED:XAL,RAL01,EXD

----- Report End -----