SECURITY SUMMARY & SPECIAL HANDLING REQUIREMENTS

The title of this application is: RQ-7A TUAV Video Link

The overall classification of this application is: **UNCLASSIFIED**

The following Special Handling summary lists the applicable markings for the printed page(s). It is your responsibility to place all Special Handling markings on the cover page of the application.

If an Entire Application was printed, the following Special Handling summary lists the applicable markings for the Entire Application.

If an Individual Page (TX, RX, ANT, etc.) was printed, the following Special Handling summary lists the applicable markings for the printed page. It is your responsibility to make certain that any Special Handling markings that are unique to the Individual Page are also reflected on the cover of the Entire Application.

If the "!" code is shown below, the "SEE REMARKS" refers to the REMARKS block on the applicable page.

Refer to your Security Manual for further guidance.

No Application Level Special Handling
No Page Level Special Handling

SECURITY SUMMARY & SPECIAL HANDLING REQUIREMENTS

The title of this application is: RQ-7A TUAV Video Link

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If the "!" code is shown below, the "SEE REMARKS" refers to the REMARKS block on the applicable page.

Page Type:	Page #:	Classification:	Special Handling Requirement:
DoD Page	1	UNCLASSIFIED	
Transmitter Page 1	2	UNCLASSIFIED	
Receiver Page 1	3	UNCLASSIFIED	
Antenna Page 1	4	UNCLASSIFIED	
Antenna Page 2	5	UNCLASSIFIED	
Antenna Page 3	6	UNCLASSIFIED	
Antenna Page 4	7	UNCLASSIFIED	
NTIA Page	8	UNCLASSIFIED	
NTIA Remark Overflow	9	UNCLASSIFIED	
MCEB Guidance Page	10	UNCLASSIFIED	
MCEB Overflow	11 12	UNCLASSIFIED UNCLASSIFIED	
Note to Holders 1	13	UNCLASSIFIED	
NTH Overflow	14	UNCLASSIFIED	
NTIA Admin Page	15	UNCLASSIFIED	
Administrative Page		UNCLASSIFIED	

APPLICATION FOR EQUIPMENT FREQUENCY ALLOCATION	CLASSIFICATION UNCLASSIFIED	DATE 10-17-2002	J/F 12/07989
			Page 1 of 15 Pages

DOD GENERAL INFORMATION

TO	FROM
USMCEB	Office of the Army Spectrum Manager Submitted By: (Project Manager, UAV Systems ATTN: SFAE-AV-UAV-TM)

1. APPLICATION TITLE (U) RQ-7A TUAV Video Link

2. SYSTEM NOMENCLATURE (U) RQ-7A Tactical Unmanned Aerial Vehicle System

3. STAGE OF ALLOCATION (U) [ ] a. STAGE 1 CONCEPTUAL [ ] b. STAGE 2 EXPERIMENTAL [ ] c. STAGE 3 DEVELOPMENTAL [X] d. STAGE 4 OPERATIONAL

4. FREQUENCY REQUIREMENTS

a. FREQUENCY(IES)	(U)	4.4 GHz - 4.94 GHz	5.25 GHz - 5.85 GHz
b. EMISSION DESIGNATORS	(U)	16M3F3F	16M3F3F

5. TARGET STARTING DATE FOR SUBSEQUENT STAGES

a. STAGE 2 (U) NA	b. STAGE 3 (U) NA	c. STAGE 4 (U) NA

6. EXTENT OF USE (U) Up to 18 hrs/day

7. GEOGRAPHICAL AREA FOR

a. STAGE 2 (U) NA

b. STAGE 3 (U) NA

c. STAGE 4 (U) US&P (See Remarks)

8. NUMBER OF UNITS

a. STAGE 2 (U) NA	b. STAGE 3 (U) NA	c. STAGE 4 (U) 176

9. NUMBER OF UNITS OPERATING SIMULTANEOUSLY IN THE SAME ENVIRONMENT (U) 6

10. OTHER J/F 12 APPLICATION ID(S) TO BE (U) [ ] a. SUPERSEDED [ ] b. RELATED

11. IS THERE ANY OPERATIONAL REQUIREMENT AS DESCRIBED IN THE INSTRUCTIONS FOR PARAGRAPH 11? (U) [ ] a. YES [X] b. NO [ ] c. NAVAIL

12. NAMES AND TELEPHONE NUMBERS (U)

a. PROGRAM MANAGER	[redacted] (b) (6)	(1) COMMERCIAL	[redacted] (b) (6)
b. PROJECT ENGINEER		(1) COMMERCIAL	

(2) DSN [redacted] (b) (6)

(2) DSN

13. REMARKS (U)

Unit is used for transmission of realtime analog video imagery from the UAV to any properly equipped ground receiver within LOS.

Block 7c: Leighton Barracks, Wurzburg, Germany; (Uijongbu, Camp Red Cloud) Republic of Korea;

Item 8c: 4 transmitters and 7 receivers per TUAV system.

DOWNGRADING INSTRUCTIONS

TRANSMITTER EQUIPMENT CHARACTERISTICS

1. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-41660-10 Transmitter

2. MANUFACTURER'S NAME
(U) AAI Corporation

3. TRANSMITTER INSTALLATION
(U) RQ-7A TUAV

4. TRANSMITTER TYPE
(U) FM Communications

5. TUNING RANGE
(U) 4.4 GHz - 4.94 GHz 5.25 GHz - 5.85 GHz

6. METHOD OF TUNING
(U) Digital Synthesizer

7. RF CHANNELING CAPABILITY
(U) 4.4 GHz, 1 MHz increments(See Remarks)

8. EMISSION DESIGNATORS
(U) 16M3F3F (U) (U)

9. FREQUENCY TOLERANCE
(U) 20 ppm

10. FILTER EMPLOYED
(U) [ ] a. YES [X] b. NO

11. SPREAD SPECTRUM
(U) [ ] a. YES [X] b. NO

12. EMISSION BANDWIDTH
[ ] CALCULATED [X] MEASURED

a. -3 dB (U)	2 MHz	(U)	(U)
b. -20 dB (U)	16.0 MHz	(U)	(U)
c. -40 dB (U)	26 MHz	(U)	(U)
d. -60 dB (U)	30.0 MHz	(U)	(U)
e. OC-BW (U)	16.8 MHz	(U)	(U)

13. MAXIMUM BIT RATE
(U) NA

15. MAXIMUM MODULATION FREQUENCY
(U) 4.2 MHz

14. MODULATION TECHNIQUES AND CODING
(U) FM Video

17. DEVIATION RATIO
(U) 1

16. PRE-EMPHASIS
(U) [X] a. YES [ ] b. NO

18. PULSE CHARACTERISTICS

a. RATE (U)	NA	(U)	(U)
b. WIDTH (U)	NA	(U)	(U)
c. RISE TIME (U)	NA	(U)	(U)
d. FALL TIME (U)	NA	(U)	(U)
e. COMP RATIO (U)	NA	(U)	(U)

19. POWER

a. MEAN (U)	10 mW - 30 W	(U)	(U)
b. PEP (U)	NA	(U)	(U)

21. HARMONIC LEVEL

a. 2nd	(U)	-50 dB
b. 3rd	(U)	-70 dB
c. OTHER	(U)	-80 dB

20. OUTPUT DEVICE
(U) FET

22. SPURIOUS LEVEL
(U) -50 dB

23. FCC TYPE ACCEPTANCE NO.
(U) NA

24. REMARKS (U)

Item 1: OCONUS HPA part number is 38214-91005-1; 5 GHz band
CONUS HPA part number is 38214-91005-2; 4 GHz band

Item 7: 5.25 GHz, 1.0 MHz increments

Item 16: Pre-emphasis IAW ITU Recommendation F405-1 for 525 line video; is 3 dB.

Item 19: The transmitter system is composed of a tunable low power device with the capability to output between 10 to 30 mWatts. The HPA add 20 dB of gain to achieve between 10 to 30 Watts of output.

RECEIVER EQUIPMENT CHARACTERISTICS

1. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-44410-10 Compact2 Receiver

2. MANUFACTURER'S NAME
(U) AAI Corporation

3. RECEIVER INSTALLATION
(U) Mobile Ground Stations

4. RECEIVER TYPE
(U) Double Conversion Superhetrodyne

5. TUNING RANGE
(U) 4.4 GHz - 4.94 GHz 5.25 GHz - 5.85 GHz

6. METHOD OF TUNING
(U) Digital Synthesizer

8. EMISSION DESIGNATORS
(U) 16M3F3F

7. RF CHANNELING CAPABILITY
(U) 4.4 GHz, 1 MHz increments(See Remarks)

11. RF SELECTIVITY
[ ] CALCULATED [X] MEASURED

9. FREQUENCY TOLERANCE
(U) 20 ppm

10. IF SELECTIVITY	1st (U)	2nd (U)	3rd (U)
a. -3 dB	39 MHz	17 MHz	
b. -20 dB	58 MHz	20 MHz	
c. -60 dB	145 MHz	40 MHz	

a. -3 dB	(U)	730 MHz
b. -20 dB	(U)	1400 MHz
c. -60 dB	(U)	2409 MHz
d. Preselection Type	(U)	6 Section Cavity BPF

12. IF FREQUENCY
a. 1st (U) 964 MHz
b. 2nd (U) 70 MHz
c. 3rd (U)

13. MAXIMUM POST DETECTION FREQUENCY
(U) 4.2 MHz

14. MINIMUM POST DETECTION FREQUENCY
(U) 10 Hz

16. MAXIMUM BIT RATE
(U) NA

15. OSCILLATOR TUNED	1st (U)	2nd (U)	3rd (U)
a. ABOVE TUNED FREQUENCY			
b. BELOW TUNED FREQUENCY	X	X	
c. EITHER ABOVE OR BELOW THE FREQUENCY			

17. SENSITIVITY

a. SENSITIVITY	(U)	- 91 dBm
b. CRITERIA	(U)	12dB S+N/N
c. NOISE FIG	(U)	2.5 dB
d. NOISE TEMP	(U)	NA

18. DE-EMPHASIS
(U) [X] a. YES [ ] b. NO

19. IMAGE REJECTION
(U) 60 dB

20. SPURIOUS REJECTION
(U) 75 dB

21. REMARKS (U) Unit is wideband in design to accommodate operation in both the CONUS and OCONUS (4.4 to 4.95 GHz and 5.25 to G5.85 GHz respectively).

Item 7: 5.25 GHz, 1.0 MHz increments

Item 17: The receiver system includes a 30 dB gain LNA in RF Box Assembly (part number 38214-444401-10) which is located 12 feet from the receiver assembly.

Item 18: De-emphasis IAW ITU Recommendation F405-1 for 525 line video, is 3 dB.

ANTENNA EQUIPMENT CHARACTERISTICS

1. (U) [ ] a. TRANSMITTING [ ] b. RECEIVING [X] c. TRANSMITTING AND RECEIVING

2. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-90001-1

3. MANUFACTURER'S NAME
(U) AAI Corporation

4. FREQUENCY RANGE
(U) 5.25 GHz - 5.85 GHz

5. TYPE (U) Monopole

6. POLARIZATION
(U) Vertical

7. SCAN CHARACTERISTICS
a. TYPE (U) FIXED
b. VERTICAL SCAN (U) NA
(1) Max Elev (U) NA
(2) Min Elev (U) NA
(3) Scan Rate (U) NA
c. HORIZONTAL SCAN (U) NA
(1) Sector Scanned (U) NA
(2) Scan Rate (U) NA
d. SECTOR BLANKING (U) [ ] (1) YES [X] (2) NO

8. GAIN
a. MAIN BEAM
(U) 4.32 dBi
b. 1st MAJOR SIDE LOBE
(U) NA

9. BEAMWIDTH
a. HORIZONTAL
(U) 360 deg
b. VERTICAL
(U) 60 deg

10. REMARKS (U)

Item 1: These omni antennas are used in 2 places in the system, one as a transmit antenna aboard the UAV and one as a receive only unit at each control station, either the Ground Data Terminal or the Portable Ground Data Terminal (see line diagram).

ANTENNA EQUIPMENT CHARACTERISTICS

1. (U) [ ] a. TRANSMITTING [X] b. RECEIVING [ ] c. TRANSMITTING AND RECEIVING

2. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-90003-1 Reflector (Remarks)

3. MANUFACTURER'S NAME
(U) AAI Corporation

4. FREQUENCY RANGE
(U) 5.25 GHz - 5.85 GHz

5. TYPE (U) Parabolic Reflector

6. POLARIZATION
(U) Linear Vertical

7. SCAN CHARACTERISTICS
a. TYPE (U) MECHANICAL
b. VERTICAL SCAN (U) Mechanical
(1) Max Elev (U) +95 deg
(2) Min Elev (U) -5 deg
(3) Scan Rate (U) 11 deg/sec max
c. HORIZONTAL SCAN (U) Mechanical
(1) Sector Scanned (U) 360 degrees
(2) Scan Rate (U) 11 deg/sec max
d. SECTOR BLANKING (U) [ ] (1) YES [X] (2) NO

8. GAIN
a. MAIN BEAM
(U) 32.5 dBi
b. 1st MAJOR SIDE LOBE
(U) 13 dBi @ 5.0 deg

9. BEAMWIDTH
a. HORIZONTAL
(U) 2.8 deg
b. VERTICAL
(U) 2.8 deg

10. REMARKS (U)

Item 2: Dual Element Feed part number is 38214-90004-1 (OCONUS)
Rotor part number is 38214-90002-1

ANTENNA EQUIPMENT CHARACTERISTICS

1. (U) [ ] a. TRANSMITTING [X] b. RECEIVING [ ] c. TRANSMITTING AND RECEIVING

2. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-90003-1 Reflector (Remarks)

3. MANUFACTURER'S NAME
(U) AAI Corporation

4. FREQUENCY RANGE
(U) 4.4 GHz - 4.95 GHz

5. TYPE (U) Parabolic Reflector

6. POLARIZATION
(U) Linear Vertical

7. SCAN CHARACTERISTICS
a. TYPE (U) MECHANICAL
b. VERTICAL SCAN (U) Mechanical
(1) Max Elev (U) +95 deg
(2) Min Elev (U) -5 deg
(3) Scan Rate (U) 11 deg/sec max
c. HORIZONTAL SCAN (U) Mechanical
(1) Sector Scanned (U) 360 degrees
(2) Scan Rate (U) 11 deg/sec max
d. SECTOR BLANKING (U) [ ] (1) YES [X] (2) NO

8. GAIN
a. MAIN BEAM
(U) 31.5 dBi
b. 1st MAJOR SIDE LOBE
(U) 11.5 dBi @ 7.3 deg

9. BEAMWIDTH
a. HORIZONTAL
(U) 4.35 deg
b. VERTICAL
(U) 4.35 deg

10. REMARKS (U)

Item 2: Dual Element Feed part number is 38214-90004-1 (CONUS)
Rotor part number is 38214-90002-1

ANTENNA EQUIPMENT CHARACTERISTICS

1. (U) [ ] a. TRANSMITTING [ ] b. RECEIVING [X] c. TRANSMITTING AND RECEIVING

2. NOMENCLATURE, MANUFACTURER'S MODEL NO.
(U) 38214-90001-2

3. MANUFACTURER'S NAME
(U) AAI Corporation

4. FREQUENCY RANGE
(U) 4.4 GHz - 4.95 GHz

5. TYPE (U) Monopole

6. POLARIZATION
(U) Vertical

7. SCAN CHARACTERISTICS
a. TYPE (U) FIXED
b. VERTICAL SCAN (U) NA
(1) Max Elev (U) NA
(2) Min Elev (U) NA
(3) Scan Rate (U) NA
c. HORIZONTAL SCAN (U) NA
(1) Sector Scanned (U) NA
(2) Scan Rate (U) NA
d. SECTOR BLANKING (U) [ ] (1) YES [X] (2) NO

8. GAIN
a. MAIN BEAM
(U) 3.5 dBi
b. 1st MAJOR SIDE LOBE
(U) NA

9. BEAMWIDTH
a. HORIZONTAL
(U) 360 deg
b. VERTICAL
(U) 65 deg

10. REMARKS (U)

Block 1: These omni antennas are used in 2 places in the system, one as a transmit antenna aboard the UAV and one as a receive only unit at each control station, either the Ground Data Terminal or the Portable Ground Data Terminal.

NTIA GENERAL INFORMATION

1. APPLICATION TITLE (U) RQ-7A TUAV Video Link

2. SYSTEM NOMENCLATURE (U) RQ-7A Tactical Unmanned Aerial Vehicle System

3. STAGE OF ALLOCATION (U) [ ] a. STAGE 1 CONCEPTUAL [ ] b. STAGE 2 EXPERIMENTAL [ ] c. STAGE 3 DEVELOPMENTAL [X] d. STAGE 4 OPERATIONAL

4. FREQUENCY REQUIREMENTS

a. FREQUENCY(IES) (U) 4.4 GHz - 4.94 GHz 5.25 GHz - 5.85 GHz

b. EMISSION DESIGNATORS (U) 16M3F3F 16M3F3F

5. PURPOSE OF SYSTEM, OPERATIONAL AND SYSTEM CONCEPTS (WARTIME USE) [X] a. YES [ ] b. NO

(U) Video Tx/Rx system used for dissemination of real time imagery intelligence from the airborne UAV.

6. INFORMATION TRANSFER REQUIREMENTS (U) NA

7. ESTIMATED INITIAL COST OF THE SYSTEM (U) Development TUAV System: $2M; Production TUAV System: $4M ea

8. TARGET DATE FOR

a. APPLICATION APPROVAL	b. SYSTEM ACTIVATION	c. SYSTEM TERMINATION
(U) 09-01-2002	(U) 10-31-2002	(U) 2025

9. SYSTEM RELATIONSHIP AND ESSENTIALITY (U) System provides critical realtime surveillance and reconnaissance to the Brigade commander in the tactical environment. System is used for accurately locating and identifying tactical targets, gunfire direction support,and battle damage assessment.

10. REPLACEMENT INFORMATION (U) NA

11. RELATED ANALYSIS AND/OR TEST DATA (U) NA

12. NUMBER OF MOBILE UNITS (U) Per system: 4 aeronautical mobile, 3 ground mobile

13. GEOGRAPHICAL AREA FOR

a. STAGE 2 (U) NA

b. STAGE 3 (U) NA

c. STAGE 4 (U) US&P (See Remarks)

14. LINE DIAGRAM (U) See Page(s) 8

15. SPACE SYSTEMS (U) See Page(s) NA

16. TYPE OF SERVICE(S) FOR STAGE 4 (U) Mobile

17. STATION CLASS(ES) FOR STAGE 4 (U) MO

18. REMARKS (U) The system is designed to operate in two sections of 4.4 to 5.85 GHz Band known as CONUS and OCONUS, with simple substitution of a minimal amount of hardware. The transmitter and receiver are capable of operation in 1 MHz steps in each band. Airborne antennas and power amplifiers are swapped in the UAV and ground based antennas (both directional and omni-directional) are swapped on the ground to effect band switch-over.

DOWNGRADING INSTRUCTIONS

J/F 12/07989

NTIA REMARK OVERFLOW PAGE

Item 9: The TUAV system can operate as a self contained system presenting live video imagery to the commander on a video monitor or the video intelligence information may be disseminated via C4I interfaces to other units in the Tactical Operations Center (TOC).

Item 13c: Leighton Barracks, Wurzburg, Germany; (Uijongbu, Camp Red Cloud) Republic of Korea

Non-interference basis. Local coordination with COMUSKOREA SEOUL KOR J3 Air and Missile Defense division required prior to operation."

USCINCEUR 14 Aug 03
Netherlands:

"1. Frequency support for the AAI Corporation, P/N 38214-41660-10 video transmitted is granted in the 4.4-4.94 Ghz band. In 5.25-5.85 Ghz a number of geographical and altitude restrictions would apply due to use of this band by military and civil radar systems, HYPERLAN and other WLAN technologies. The combination with the 30 W HPA is not recommended in this band. The preferred band is 4.4-4.94 Ghz where the HPA is also acceptable.

2. Normal frequency coordination procedures will apply when this system is to be used in the Netherlands."

STEERING MEMBER
ESG Working Group
MCEB Frequency Panel
cc: MCEB J-12
Distribution List

UNCLASSIFIED
MILITARY COMMUNICATIONS ELECTRONICS BOARD (MCEB)
EQUIPMENT FREQUENCY ALLOCATION GUIDANCE

Military Department: Army
Equipment: RQ-7A TUAV Video Link
Stage: 4-Operational

Section 1: ENCLOSURES
1. J/F 12/7989, 17 Oct 02

Section 2: OPERATING CHARACTERISTICS FOR WHICH SUPPORT IS CERTIFIED

Frequency: 4400-4940 MHz
Emission: 16M3F3F
Power(Mean): 30 Watts
Stage 4 Type of Service: Mobile
Operating Location: Military Test & Training Ranges; Germany, Republic of Korea, Netherlands.

Section 3: MCEB GUIDANCE

1. The enclosed application as described above is approved for operational use at the locations cited in Section 2 above subject to the guidance below.

2. For the intended use in the mobile service, the subject system is in accordance with the ITU and US Tables of Frequency Allocations.

3. Based on the information provided,
a. the equipment does not comply with the spurious and harmonic level emissions requirements of the NTIA Manual Section 5.2.
b. the equipment does not comply with the 2nd harmonic level and spurious emissions requirements of MIL-STD-461E.
HQ USEUCOM 11 Nov 03
Germany:
"1. Designation:
System Designation: RQ-7A Video Link Shadow 200 TUAV
Manufacturer: AAI Corporation
Tuning Range: 4400-4940 MHz
5250-5850 MHz
Transmitter Output: (Mean) 10mW-30 W
Emission Designation: 16M3F3F
Antenna Type: Monopole Parabolic Reflector
2. Special Provisions / Organizational Arrangements Upon prior coordination only individual frequencies from the 4400-4940 MHz and 5650-5755 MHz bands can be assigned at military training areas and on a temporary basis only.
a)- Limitations of radiated power and flight altitude have to be expected.
b)- The system must not interfere with other permitted frequency usages, and cannot claim protection against interference caused by other radio networks (Non Interference Basis).

c)- Requests for frequency assignment will have to be submitted to Joint Support Command at least ten (10) weeks prior to putting the system into operation.

3. Validity

a)- This Declaration of Frequency Supportability will be granted only for theterritory of the Federal Republic of Germany.

b)- This Declaration ceases to be valid on 31 Oct 2013. A request for extension of the Declaration should be directed to NARFA GE at least 10 weeks before the data of expiration.

USCINCPAC 4 Oct 03
Republic of Korea:

"Approved with restriction as follows: Frequency assignment required. Non-interference basis. Local coordination with COMUSKOREA SEOUL KOR J3 Air and Missile Defense division required prior to operation."

USCINCEUR 14 Aug 03
Netherlands:

"1. Frequency support for the AAI Corporation, P/N 38214-41660-10 video transmitted is granted in the 4.4-4.94 Ghz band. In 5.25-5.85 Ghz a number of geographical and altitude restrictions would apply due to use of this band by military and civil radar systems, HYPERLAN and other WLAN technologies. The combination with the 30 W HPA is not recommended in this band. The preferred band is 4.4-4.94 Ghz where the HPA is also acceptable.

2. Normal frequency coordination procedures will apply when this system is to be used in the Netherlands."

4. In any instance of harmful interference caused by nonconformance with the provisions of the standards cited in paragraph 3a above, the responsibility for eliminating the harmful interference normally shall rest with the agency operating in nonconformance.

5. Frequency assignment requests must be submitted using Standard Frequency Action Format (SFAF) and coordinated with the cognizant Area Frequency Coordinator (AFC) in accordance with ACP-190 US SUPP-1(C), Guide to Frequency Planning, prior to activation.

6. All practicable steps must be taken to protect radio astronomy observations from harmful interference in the bands 4825-4835 MHz and 4950-4990 MHz.

7. Coordination with the NTIA Spectrum Planning Subcommittee has been accomplished.

8. Host Nation Coordination has been initiated.

Steering Member
ESG Working Group
MCEB Frequency Panel

APPROVAL Signature Date: 8 JAN 2003

IRAC/SPS Number:
IRAC Doc #: 32669/1
SPS- 13433

Downgrading Instructions: NA
UNCLASSIFIED J/F 12/7989/1

MILITARY COMMUNICATIONS ELECTRONICS BOARD
WASHINGTON, D.C. 20301

UNCLASSIFIED 3 MAR 2004
NH J/F 12/7989/1
(Agenda Item No. J-12)

NOTE TO HOLDERS
OF
J/F 12/7989/1

RQ-7A TUAV VIDEO LINK

Holders of subject Army document dated 08 Jan 03, are requested by the Army to note the following Host Nation comments:

Operating Locations: add; "Germany, Republic of Korea, Netherlands"

Section 3, paragraph 3, add;

HQ USEUCOM 11 Nov 03
Germany:
"1. Designation:
System Designation: RQ-7A Video Link Shadow 200 TUAV
Manufacturer: AAI Corporation
Tuning Range: 4400-4940 MHz
5250-5850 MHz
Transmitter Output: (Mean) 10mW-30 W
Emission Designation: 16M3F3F
Antenna Type: Monopole Parabolic Reflector
2. Special Provisions / Organizational Arrangements Upon prior coordination only individual frequencies from the 4400-4940 MHz and 5650-5755 MHz bands can be assigned at military training areas and on a temporary basis only.
a)- Limitations of radiated power and flight altitude have to be expected.
b)- The system must not interfere with other permitted frequency usages, and cannot claim protection against interference caused by other radio networks (Non Interference Basis).
c)- Requests for frequency assignment will have to be submitted to Joint Support Command at least ten (10) weeks prior to putting the system into operation.
3. Validity
a)- This Declaration of Frequency Supportability will be granted only for theterritory of the Federal Republic of Germany.
b)- This Declaration ceases to be valid on 31 Oct 2013. A request for extension of the Declaration should be directed to NARFA GE at least 10 weeks before the data of expiration.

USCINCPAC 4 Oct 03
Republic of Korea:
"Approved with restriction as follows: Frequency assignment required.

NTIA ADMINISTRATIVE PAGE

(U) SPS # : 13433

(U) SIN # :

(U) AGENCY: AR

(U) STAGE: 4

(U) PREVIOUS CERTIFICATION:

DATE: ACTION:

(U) STATUS:

(U) REMARKS:

IRAC DOC #: 32669/1

DATE: DOCKET #: DESCRIPTION:

(U) SPS RELATED DOCUMENTS:

(U) SPS RECOMMENDATIONS:

(U) NTIA CERTIFICATION:

J/F 12 ID J/F 12/07989
CASE # A20050600317
SIN #
CF-299 #

ADMINISTRATIVE INFORMATION PAGE

1. SYSTEM IDENTIFIER: (U) C

2. EQUIPMENT FUNCTION: (U) CC CH C

3. EQUIPMENT NOMENCLATURE: (U) RQ-7A TUAV VIDEO LINK (U)
(U) 38214-41660-10 AAI (U)
(U) 38214-44410-10 AAI (U)
(U) (U)

4. ECI CODE: (U)

5. MCEB USE: (U) O (C:CONCEP; E:EXPER; D:DEVELOP; O:OPER; N:NOTED)

6. MCEB LOCATIONS: (U)

COUNTRY	STATE	CITY
USP		MIL TEST & TRNG RNGS

7. HOST COUNTRY:

	COUNTRY	DATE	MESSAGE DTG
(U)	D	11 NOV 03	LTR
(U)	KO	4 OCT 03	LTR
(U)	HOL	14 AUG 03	LTR
(U)			
(U)			
(U)			
(U)			
(U)			
(U)			
(U)			

8. NOTE-TO-HOLDER:
(U) 03-03-2004
(U)
(U)
(U)
(U)
(U)
(U)
(U)
(U)
(U)

9. JSC MEMO DATE: (U) 01-08-2003

10. USING AGENCIES: (U) 1:AR 2: 3:

11. PROCURING AGENCY: (U) AR

12. APPLICATION STATUS: (U) 1 (1:APPROV; 2:CANCEL; 3:SUPERSE; 4:NOTED; 5:WITHDR; 6:PEND)