

**From:** [Wyant, Dawn M CPT USARMY PEO C3T \(US\)](#)  
**To:** [Nguyen, Jimmy CIV USAF \(US\)](#); [Garcia-Jr, John E](#); [Hicks, Michael E CIV USAF \(US\)](#); [Xu, Shaobei CIV USAF AFSMO \(US\)](#); [Lindsay, Allen S](#); [Harris, Stephen B CIV USARMY HQDA CIO G-6 \(US\)](#)  
**Cc:** [Patel, Samir B](#); [Suarez, Cesar](#); [Carey, Robert A](#); [Center, Ronald E](#); [Inghram, Travis J CIV USARMY SMDC \(US\)](#); [Avery, Robert E CIV USAF AFSMO \(US\)](#)  
**Subject:** RE: [Non-DoD Source] RE: Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)  
**Date:** Thursday, April 13, 2017 8:45:55 AM

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CLASSIFICATION: UNCLASSIFIED

All,

Please accept this as my concurrence for the four conditions below. Please let me know if you need anything else from me.

Respectfully,

DAWN M. WYANT  
CPT(P), AC  
EMC APM  
WIN-T INC 1, PEO C3T  
6010 Frankford Street, Room 302, Pod 39  
Aberdeen Proving Ground, Maryland 21005-1848  
DSN: 648-6611  
COMM: 443-395-6611  
Blackberry: 443-930-0296  
NIPR: dawn.m.wyant.mil@mail.mil

-----Original Message-----

From: NGUYEN, JIMMY GS-14 USAF AFSPC AFSMO/SMI [<mailto:jimmy.nguyen@us.af.mil>]  
Sent: Thursday, April 13, 2017 9:57 AM  
To: Wyant, Dawn M CPT USARMY PEO C3T (US) <dawn.m.wyant.mil@mail.mil>; Garcia-Jr, John E <john.e.garcia-jr@boeing.com>; Hicks, Michael E CIV USAF (US) <michael.hicks.3@us.af.mil>; Xu, Shaobei CIV USAF AFSMO (US) <shaobei.xu.1@us.af.mil>; Lindsay, Allen S <allen.s.lindsay@boeing.com>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <stephen.b.harris6.civ@mail.mil>  
Cc: Patel, Samir B <samir.b.patel@boeing.com>; Suarez, Cesar <cesar.suarez@boeing.com>; Carey, Robert A <robert.a.carey@boeing.com>; Center, Ronald E <Ronald.E.Center@boeing.com>; Inghram, Travis J CIV USARMY SMDC (US) <travis.j.ingram.civ@mail.mil>; Avery, Robert E CIV USAF AFSMO (US) <robert.avery.9@us.af.mil>  
Subject: RE: [Non-DoD Source] RE: Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

CPT Dawn and John,

DoD can support with the four conditions, below. If you agree, please submit the STA to the FCC and advise Stephen with the STA Number. After 1300 EST, I'll be out until next Tuesday. Please let me know if you have any questions.

\*\*\*\*\*

Stephen,

If CPT Dawn and John concur with the four conditions, below, and when you have the STA number from John, I would recommend you advise the Mildeps FAS Reps that the STA xxx has been coordinated and agreed by DoD SATOPS and ask them to conditionally concur with the four conditions, below. Thanks.

V/R

Jimmy

\*\*\*\*\*

1. All Boeing operations granted on an experimental basis (STA) shall be conducted on an unprotected, non-interference basis to authorized DoD stations.

2. This STA is limited to 6 months and is subject to re-coordination with AFSMO upon renewal
3. Use of Boeing Phased Array Antenna (PHAAST) limited to ground-based flat, paved area without significant body roll over the ground track.
4. As soon as possible, but no later than 3 business days prior to any planned Demo, Boeing is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) and Travis J. Inghram (Email: travis.j.ingham.civ@mail.mil, ARSTRAT) with the planned testing dates/duration and the stop buzzer POC for the Demo. If planned Demo is in conflict with DoD operations, additional evaluations and/or restrictions will be required

\*\*\*\*\*

-----Original Message-----

From: Wyant, Dawn M CPT USARMY PEO C3T (US) [<mailto:dawn.m.wyant.mil@mail.mil>]  
Sent: Wednesday, April 12, 2017 2:53 PM  
To: Garcia-Jr, John E <[john.e.garcia-jr@boeing.com](mailto:john.e.garcia-jr@boeing.com)>; NGUYEN, JIMMY GS-14 USAF AFSPC AFSMO/SMI <[jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)>; HICKS, MICHAEL E GS-12 USAF AFSPC AFSMO/SMI <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)>; XU, SHAOBEI GS-13 USAF HAF AFSMO/AFSMO <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)>; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)>  
Cc: Patel, Samir B <[samir.b.patel@boeing.com](mailto:samir.b.patel@boeing.com)>; Suarez, Cesar <[cesar.suarez@boeing.com](mailto:cesar.suarez@boeing.com)>; Carey, Robert A <[robert.a.carey@boeing.com](mailto:robert.a.carey@boeing.com)>; Center, Ronald E <[Ronald.E.Center@boeing.com](mailto:Ronald.E.Center@boeing.com)>  
Subject: RE: [Non-DoD Source] RE: Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Good Afternoon,

Just following up on this one to see how things are progressing? Please let me know if there are any issues.

Respectfully,

DAWN M. WYANT  
CPT(P), AC  
EMC APM  
WIN-T INC 1, PEO C3T  
6010 Frankford Street, Room 302, Pod 39  
Aberdeen Proving Ground, Maryland 21005-1848  
DSN: 648-6611  
COMM: 443-395-6611  
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NIPR: [dawn.m.wyant.mil@mail.mil](mailto:dawn.m.wyant.mil@mail.mil)

-----Original Message-----

From: Garcia-Jr, John E [<mailto:john.e.garcia-jr@boeing.com>]  
Sent: Thursday, April 06, 2017 11:51 AM  
To: Nguyen, Jimmy CIV USAF (US) <[jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)>; Wyant, Dawn M CPT USARMY PEO C3T (US) <[dawn.m.wyant.mil@mail.mil](mailto:dawn.m.wyant.mil@mail.mil)>; Hicks, Michael E CIV USAF (US) <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)>; Xu, Shaobei CIV USAF AFSMO (US) <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)>; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)>  
Cc: Patel, Samir B <[samir.b.patel@boeing.com](mailto:samir.b.patel@boeing.com)>; Suarez, Cesar <[cesar.suarez@boeing.com](mailto:cesar.suarez@boeing.com)>; Carey, Robert A <[robert.a.carey@boeing.com](mailto:robert.a.carey@boeing.com)>; Center, Ronald E <[Ronald.E.Center@boeing.com](mailto:Ronald.E.Center@boeing.com)>  
Subject: [Non-DoD Source] RE: Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

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Jimmy,

Please coordinate the OKC location first. This is the primary focus of the demonstration. The other locations, El Segundo, Kent and Herndon can be coordinated separately via another email chain.

1. The OKC Mobile Operations will be limited to 9 Km radius of operation around 6001 S Air Depot Blvd, Oklahoma City, OK 73135 (35.41°N, -97.41°E)
2. The point of communication for the OKC demonstration is 55W, I5 AOR satellite.

-John Garcia

-----Original Message-----

From: NGUYEN, JIMMY GS-14 USAF AFSPC AFSMO/SMI [Caution-<mailto:jimmy.nguyen@us.af.mil>]  
Sent: Thursday, April 06, 2017 11:15 AM  
To: Garcia-Jr, John E <[john.e.garcia-jr@boeing.com](mailto:john.e.garcia-jr@boeing.com)>; Wyant, Dawn M CPT USARMY PEO C3T (US) <[dawn.m.wyant.mil@mail.mil](mailto:dawn.m.wyant.mil@mail.mil)>; HICKS, MICHAEL E GS-12 USAF AFSPC AFSMO/SMI <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)>; XU, SHAOBEI GS-13 USAF HAF AFSMO/AFSMO <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)>; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)>  
Cc: Patel, Samir B <[samir.b.patel@boeing.com](mailto:samir.b.patel@boeing.com)>; Suarez, Cesar <[cesar.suarez@boeing.com](mailto:cesar.suarez@boeing.com)>; Carey, Robert A <[robert.a.carey@boeing.com](mailto:robert.a.carey@boeing.com)>; Center, Ronald E <[Ronald.E.Center@boeing.com](mailto:Ronald.E.Center@boeing.com)>  
Subject: RE: Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

Capt Wyant and John,

1. Am I correct in assuming that the requirement for El Segundo, Herndon and Kent are to support Boeing's IRAD. If I am correct, please advise if you want to coordinate both requirements (OKC and additional locations) at the same time or separately. As you know, the more requirements that we have, the more analyses and coordination that would requires ... and as a results, the longer time to get the feedbacks and complete coordination.

2. Based on my review, I would need the followings to analyze and initiate coordination a. For OKC (Mobile Ops), please provide the required/proposed radius of operation around 6001 S Air Depot Blvd, Oklahoma City, OK 73135 (35.41°N, -97.41°E) b. For El Segundo, Herndon and Kent:

b1. For each location, please provide the same data as you provided for OKC. If any locations requires to go up to more than one satellites, please provide data for each specific (Orbital Longitude location) satellite

b3. For future coordination, please use specific orbital longitude location vice acronym (e.g., AOR, POR ... etc.) 4. Please let me know if you have any questions.

V/R

Jimmy

-----Original Message-----

From: Garcia-Jr, John E [Caution-<mailto:john.e.garcia-jr@boeing.com>]  
Sent: Wednesday, April 05, 2017 2:00 PM  
To: Wyant, Dawn M CPT USARMY PEO C3T (US) <[dawn.m.wyant.mil@mail.mil](mailto:dawn.m.wyant.mil@mail.mil)>; NGUYEN, JIMMY GS-14 USAF AFSPC AFSMO/SMI <[jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)>; HICKS, MICHAEL E GS-12 USAF AFSPC AFSMO/SMI <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)>; XU, SHAOBEI GS-13 USAF HAF AFSMO/AFSMO <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)>; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)>  
Cc: Patel, Samir B <[samir.b.patel@boeing.com](mailto:samir.b.patel@boeing.com)>; Suarez, Cesar <[cesar.suarez@boeing.com](mailto:cesar.suarez@boeing.com)>; Carey, Robert A <[robert.a.carey@boeing.com](mailto:robert.a.carey@boeing.com)>; Center, Ronald E <[Ronald.E.Center@boeing.com](mailto:Ronald.E.Center@boeing.com)>  
Subject: [Non-DoD Source] Coordination for WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

Jimmy, Stephen,

Boeing has an upcoming demonstration requirement to test 2 antenna terminals using I-5 capability. Attached are the coordination documents for the upcoming demonstration involving WINT and Boeing. Once DOD coordination is obtained from ASMO/AFSMO, Boeing will file STA request to the FCC Office of Experimental Technology.

Additionally,

As the CCT200 and PAA terminals are commonly utilized by Boeing, we would like to request to have additional lat/longs filed alongside the OKC location.

1. Oklahoma City is the sponsored demonstration location. Operation is Fixed CCT-200 and PAA Mobile Ground using the AOR satellite.

Additional coordination locations CCT-200 and PAA will be fixed operations only, no mobile. Boeing will use AOR and POR.

2. El Segundo location is 33.9297° N, 118.3896° W (AOR/POR)
3. Herndon CCT-200 Location is 38.958694° N, 77.375942° W (AOR)
4. Kent, WA CCT-200 location is 47.418598° N, 122.254270° W (AOR/POR)

If you have any questions please feel free to respond.

John E. Garcia

Regulatory Policy and International Spectrum Management

The Boeing Company | 929 Long Bridge Dr. Bldg 95-929 | Arlington, VA 22202

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john.e.garcia-jr@boeing.com <Caution-<mailto:john.e.garcia-jr@boeing.com>> ; group box: fmseast@boeing.com  
<Caution-<mailto:fmseast@boeing.com>>

-----Original Message-----

From: Wyant, Dawn M CPT USARMY PEO C3T (US) [Caution-<mailto:dawn.m.wyant.mil@mail.mil>]

Sent: Wednesday, April 05, 2017 7:52 AM

To: Garcia-Jr, John E <[john.e.garcia-jr@boeing.com](mailto:john.e.garcia-jr@boeing.com)>; Nguyen, Jimmy CIV USAF (US) <[jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)>; Hicks, Michael E CIV USAF (US) <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)>; Xu, Shaobei CIV USAF AFSMO (US) <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)>; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)>

Cc: Patel, Samir B <[samir.b.patel@boeing.com](mailto:samir.b.patel@boeing.com)>; Suarez, Cesar <[cesar.suarez@boeing.com](mailto:cesar.suarez@boeing.com)>; Carey, Robert A <[robert.a.carey@boeing.com](mailto:robert.a.carey@boeing.com)>; Center, Ronald E <[Ronald.E.Center@boeing.com](mailto:Ronald.E.Center@boeing.com)>

Subject: RE: [Non-DoD Source] WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

ALCON,

I am in unfamiliar territory here. Please let me know what needs to be done and I will make it happen.

Respectfully,

DAWN M. WYANT

CPT(P), AC

EMC APM

WIN-T INC 1, PEO C3T

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-----Original Message-----

From: Garcia-Jr, John E [Caution-<mailto:john.e.garcia-jr@boeing.com> <Caution-<mailto:john.e.garcia-jr@boeing.com>> ]

Sent: Tuesday, April 04, 2017 4:10 PM

To: Wyant, Dawn M CPT USARMY PEO C3T (US) <[dawn.m.wyant.mil@mail.mil](mailto:dawn.m.wyant.mil@mail.mil)> <Caution-<mailto:dawn.m.wyant.mil@mail.mil>> >; Nguyen, Jimmy CIV USAF (US) <[jimmy.nguyen@us.af.mil](mailto:jimmy.nguyen@us.af.mil)> <Caution-<mailto:jimmy.nguyen@us.af.mil>> >; Hicks, Michael E CIV USAF (US) <[michael.hicks.3@us.af.mil](mailto:michael.hicks.3@us.af.mil)> <Caution-<mailto:michael.hicks.3@us.af.mil>> >; Xu, Shaobei CIV USAF AFSMO (US) <[shaobei.xu.1@us.af.mil](mailto:shaobei.xu.1@us.af.mil)> <Caution-<mailto:shaobei.xu.1@us.af.mil>> >; Lindsay, Allen S <[allen.s.lindsay@boeing.com](mailto:allen.s.lindsay@boeing.com)> <Caution-<mailto:allen.s.lindsay@boeing.com>> >; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <[stephen.b.harris6.civ@mail.mil](mailto:stephen.b.harris6.civ@mail.mil)> <Caution-<mailto:stephen.b.harris6.civ@mail.mil>> >

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Subject: [Non-DoD Source] WIN-T Demo Sponsorship Inmarsat I-5 (UNCLASSIFIED)

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Jimmy,

Boeing has an upcoming requirement to demonstrate I-5 capability iso: WIN-T and C-17 program office. Captain Dawn Wyant from the WIN-T Program Office out of Aberdeen Proving Ground in the Sponsor for the upcoming demonstration. I wanted to connect the Captain and AFSMO up via email before Boeing submits the I-5 COMSATCOM coordination paperwork. The sponsor contact information is listed below.

Captain Wyant, I recommend you reach out to AFSMO, Jimmy Nguyen (Air Force Spectrum Management) via email and also cc: Stephen Harris from Army Spectrum Management Office for situational purposes. Both Jimmy and Stephen are cc'd in this email. Jimmy's contact information is listed below.

I've attached a flow chart as a reference; we're at the Gov't Sponsor /Demo Requirement blocks on the left side.

CLASSIFICATION: UNCLASSIFIED

DAWN M. WYANT

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Caution-<mailto:dawn.m.broughton.mil@mail.mil> >

Jimmy Nguyen

Chief, Space and International Spectrum Division

Air Force Spectrum Management Office

DSN: 375-3729; COMM: 301-225-3729

NIPR: Jimmy.Nguyen@us.af.mil <Caution-<mailto:Jimmy.Nguyen@us.af.mil>>

SIPR: Jimmy.Nguyen.Civ@mail.smil.mil <Caution-<mailto:Jimmy.Nguyen.Civ@mail.smil.mil>>

JWICS: Jimmy.Nguyen@disa.ic.mil <Caution-<mailto:Jimmy.Nguyen@disa.ic.mil>>

John E. Garcia

Regulatory Policy and International Spectrum Management

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