210

	TO	ACTION	SIGNATURE (Surname), GRADE AND DATE		TO	ACTION	SIGNATURE (Surname), GRADE AND DATE
1	AF/A1	COORD	Blanchard, SES, 21 Feb 07	6	AF/CVA	COORD	Lichte, Lt Gen, 13 March 2007
2	AF/A2	COORD	Deptula, Lt Gen, 22 Feb 07	7	AF/CV	COORD	_(signature)_ GEN 5mar07
3	AF/A3/5	COORD	Newton, Maj Gen, 18 Jan 07	8	AF/CC	COORD	copy provided BJB (19)
4	AF/A4/7	COORD	Aimone, SES, 22 Feb 07 with critical comments	9	SAF/US	COORD	_(signature)_ 3/28/07
5	HAF/CX (pjp)	COORD	Poore, LTC, 12 Mar 07	10	SAF/OS	SIGN	SECAF HAS SIGNED 5 2007

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPISTS INITIALS	SUSPENSE DATE
Col Dickinson	SAF/XCM	703-588-6145	ird	N/A

SUBJECT	DATE
Package (BLUE): Policy and Standardization for Cursor-on-Target (CoT)	20070301

SUMMARY

1. **Purpose.** Obtain SECAF signature at Tab 1 establishing policy and standard for CoT 1.0.

2. **Background.** CoT should be formally adopted as an Air Force standard for the transmission of what/when/where information to the tactical edge. CoT was developed by MITRE for use by the DoD. SAF/XC intends to publish the CoT 1.0 standard under the SECAF's authority and manage it under the Transparency IPT (TIPT) through the Community of Interest (COI) Coordination Panel. ESC proposes standing up a CoT Project Office to provide technical expertise and manage the CoT baseline in support of the COI Coordination Panel. The attached memo lays out a gameplan for bringing forward the policy and standard as tasked by the TIPT Chair.

3. **Views of others.** See attached comment matrix for resolution of all comments during coordination.

4. **Recommendation.** SECAF sign the memo at Tab 1.

//signed//
MICHAEL W. PETERSON, Lt Gen, USAF
Chief of Warfighting Integration and
Chief Information Officer

Tabs
1. Final Draft USAF CoT Policy Ltr
2. Final Comment Matrix for SECAF

TAB 1-FINAL DRAFT
USAF CoT Policy Ltr f(

TAB 2-Final Comment
Matrix for SECAF.xls

Can we designate ESC as configuration control point for C.O.T. or is this enough?
Mike W

AF IMT 1768, 19840901, V5   PREVIOUS EDITION WILL BE USED

ES07030406
workflow

STAFF SUMMARY SHEET

	TO	ACTION	SIGNATURE (Surname), GRADE AND DATE		TO	ACTION	SIGNATURE (Surname), GRADE AND DATE
11	AF/SG	COORD	Green, Maj Gen, 28 Feb 2007	16	SAF/MR	COORD	Goodwin, SES, 22 Feb 2007
12	SAF/AA	COORD	Davidson, SES, 20 Feb 2007	17	SAF/GC	COORD	Ramos, SES, 22 Feb 2007
13	SAF/AQ	COORD	Hoffman, Lt Gen, 27 Feb 2007	18	ESC/CC	COORD	Johnson, Lt Gen, 21 Feb 07
14	SAF/FM	COORD	Vonglis, SES, 22 Feb 2007	19	AFMC/CC	COORD	Gabreski, Lt Gen, 21 Feb 2007
15	SAF/IE	COORD	Kuhn, SES, 1 Mar 2007	20			

SURNAME OF ACTION OFFICER AND GRADE	SYMBOL	PHONE	TYPISTS INITIALS	SUSPENSE DATE
Col Dickinson	SAF/XCM	703-588-6145	ird	N/A

SUBJECT	DATE
Policy and Standardization for Cursor-on-Target (CoT)	20070301

SUMMARY

APR 5 2007

MEMORANUM FOR DISTRIBUTION C
ALMAJCOM/CC

SUBJECT: USAF Cursor on Target (CoT) Standard for Net-Centric Interoperability

Recognizing that information sharing is key to creating a net-centric Department of Defense, I am directing using Cursor-on-Target (CoT) as an Air Force data exchange standard for what/when/where information to Air Force tactical edge platforms/systems. The CoT core structure is operational, or has demonstrated capability to achieve rapid, machine-to-machine interoperability in more than 130 DoD and Civil systems. The XML data model it uses is open and simple, enabling flexible integration of AF and DoD tactical systems.

The strength of CoT is its simplicity in transmitting/publishing only that set of unambiguous what/when/where information that is required at the tactical edge. CoT compatibility with the evolving DoD run-time environment will ensure that published information gets to the tactical edge where bandwidth in support of our warfighters is very limited. This will augment the data services efforts within our service-oriented environment. The concept for use of CoT will be incorporated into the Air Force metadata environment concept.

Directing CoT as a standard supports DoD Directive 8320.2, "Data Sharing in a Net-Centric Department of Defense" which directs DoD Component Heads to ensure implementation of Net-Centric data sharing. Tactical edge platforms/systems using the CoT standard will be transitioned to the DoD universal core standard in turn. To accomplish this action, I am directing the tasks outlined below.

SAF/XC will draft, within 90 days, Air Force policy direction to adopt CoT, to include vetting appropriate timelines and waiver procedures for incorporation. The chartered Community of Interest (COI) Coordination Panel in coordination with AFMC will publish the authoritative Air Force CoT 1.0 baseline schema within 90 days and will manage that baseline under my authority as executed through the Transparency IPT (TIPT), ensuring it is compatible with net-centric data standards across the DoD and Intelligence Community. The CoT 1.0 baseline schema will be replaced by the universal core standard upon adoption of the universal core standard by the DoD and Director of National Intelligence Chief Information Officers. The TIPT sub-IPT leads and their COIs will incorporate the CoT standard into their vocabulary efforts that transmit data to the tactical edge. PEOs will coordinate and institute the implementation of CoT within systems they acquire or develop as funded by lead commands.

My points of contact for this issue are Col Ian R. Dickinson, SAF/XCM, DSN 425-6145 and Ed McDermott, GS-15, ESC/753d ELSG, DSN 478-9879.

Michael W. Wynne
Secretary of the Air Force

LEGEND:

Administrative Comments (A). These comments offer clarity, accuracy, and consistency. They include such items as grammar, punctuation, style, updated references, improper terminology, or minor errors.

Substantive Comments (S). These comments are less significant deficiencies that include deviations, but would not prevent implementation of the publication. Such comments are provided because information in the document appears to be or is potentially unnecessary, incomplete, misleading, confusing, or inconsistent with other information in the document.

Critical Comments (C). These comments are major deficiencies that affect the implementation of the publication. These comments are provided when a document contains critical information that is incorrect or contrary to published policy. Unless resolved, critical comments will result in a nonconcurrence. The publication OPR is REQUIRED to incorporate or resolve ALL critical comments.

ORGANIZATION NAME PHONE #	ITEM	Type A/S/C	PAGE	LINE	PARA	RECOMMENDED REVISION	COMMENT/RATIONALE	RESOLUTION
AF/A4I S, Rex Curry, 703-695-4960		C	1	3	1		Memo does not define "tactical edge". In A4/7 we consider Akamai Edge service to be the Tactical Edge. Does that mean it must be converted to the universal standard? Same holds true for GEOSPATIAL, Product management and assorted other A4/7 data.	Wording changed to "tactical edge platforms/systems" to indicate it does not mean network systems but actual weapons platforms or systems.
AF/A4I S, Rex Curry, 703-695-4961		C	1	15	3		If intent is to establish a universal core standard for Weapon System to Weapon Platform information, then memo should clearly state that. As written could be expanded to all support information as well.	Wording changed to "tactical edge platforms/systems" to indicate it does not mean network systems but actual weapons platforms or systems.
AF/A4I S, Rex Curry, 703-695-4962		C	1	22	4		Again, need specific Weapon System to Weapon Platform verbiage.	Wording changes on lines 3 and 15 adequately bound application of CoT
SAF/AQIZ John Caudill, Major, USAF 703-588-6437		C	1	5	1	remove "low cost" and "fast"	While CoT appears technically sound and offers potential benefits to the Air Force, the time and costs for adoption have not been determined.	Wording changed as requested
SAF/AQIZ John Caudill, Major, USAF 703-588-6437		C	1	1	4	..."Air Force policy direction to adopt CoT."	The timeframe for adoption should be bounded in this paragraph. The Air Force could drive a large bill and program interruption if the timeframe is unrealistically short.	Wording in para 4 changed to "Air Force policy direction to adopt CoT, to include vetting appropriate timelines and waiver procedures for incorporation."
SAF/AQ Charles Riechers 703-588-6208		C	1			The memo needs to explicitly show how the USAF will comply with Joint and coalition standards per NII/SECAF agreement	The AF agreed to transition Cursor on Target to Universal Core.	Wording in para 2, 3, and 4 changed to reflect CoT transition to DoD universal core standard.
ESC (753 ESG) Jeffrey A. Hodgdon, Colonel, USAF 781-377-6811		S	SSS	5	2	Change "Program Office" to "Project Office"	The former has funding associated with it, and the latter is more of an oversight role., which is more correct in this instance	Wording changed as requested
AF/A2 Peter Bailey, Lt Col, USAF 703-614-7315		S	1	3	1	Revise line to read: "what/when/where information to the Air Force tactical edge."	It is not clear from the memo that the audience is intended to be solely AF, and is not intended to force changes in the joint or coalition communities. Adding "Air Force" to the tactical edge makes it more clear that this standard applies to AF-to-AF data transactions only.	Wording changed as requested
AF/A2 Peter Bailey, Lt Col, USAF 703-614-7315		S	1	5	4	Revise line to read: "with net-centric data standards across the DoD and the Intelligence Community..."	There is no indication of compliance with or recognition of the applicability of IC standards. Not all members of the IC are within the DoD, and therefore DoD compliance is insufficient.	Wording changed as requested
SAF/AQIZ John Caudill, Major, USAF 703-588-6437		S	1	9-10	4	Delete last sentence	Responsibility to institute the implementation would be at the PEO level, not at the AFMC level	Wording changed to "PEOs will coordinate and institute the implementation of CoT within systems they acquire or develop as funded by lead commands."
ESC/CA Mrs. Duntz 781-377-3889		S	1	9-10	4	Change "AFMC PEOs" to "PEOs".	AFMC does not own the PEOs.	Wording changed to "PEOs will coordinate and institute the implementation of CoT within systems they acquire or develop as funded by lead commands."
AFMC/A8 Ms Eviston 937-257-4707		S	1	9-10	4	Recommend last sentence be changed to "AFMC will coordinate and institute the implementation of CoT within systems as funded by lead commands."	Implementation can only occur if funded by lead commands.	Wording changed to "PEOs will coordinate and institute the implementation of CoT within systems they acquire or develop as funded by lead commands."
AF/SGRK Logos Yuen 703-681-6535		S	SSS	1	3	Include views of other Services, MAJCOMs and functionals such as SG not included in coordination are omitted	Views of MAJCOMs and functionals should be reflected. Health Services by its very nature includes our sister services and any standard should be reviewed by the significant stakeholders before becoming a standard for common use. Recommend AF/XC include all relevant stakeholder reviews prior to directing this policy.	Views of functionals and AFMC included in this comment matrix. Views of other Services not included as this policy applies to Air Force only. Wording included to reflect transition to DoD-wide standards as they evolve.
AF/SGRK Logos Yuen 703-681-6535		S	1	1 to 6	1	Revise paragraph so that CoT direction is modified in order to allow policy exceptions, time-phasing, etc	CoT has not been operational in the healthcare and medical community. If adopted, who will fund the XML transformation needed for all the medical and healthcare applications? The CoT standard 1.0 has not been adopted in the Federal Health Architecture (FHA) 1.0. Mandating its use in the AF will effect SG compliance with FHA 1.0 and impact DoD/VA data sharing. This cost of rework could be substantial and is not in the FY08 POM. We believe AF/XC should coordinate the proposed change with the DoD and AF medical communities before finalizing this policy. AF/SG has not programmed and does not have sufficient funding to cover any costs associated with implementing this program. CoT implementation requires line funding, there are no DHP dollars to support this initiative.	Wording in para 4 changed to "Air Force policy direction to adopt CoT, to include vetting appropriate timelines and waiver procedures for incorporation."

Reviewer	Type		Page	Para	Comment	Justification	Resolution
AF/SGRK Logos Yuen 703-681-6535	S	1	1 to 8	4	Revise paragraph so that CoT direction is modified in order to allow policy exceptions, time-phasing, etc.	Reviews from DoD and AF medical functional need to be included before finalizing the policy. AFMC also needs to coordinate with DoD and AF medical communities for implementation details that may affect the acquisitions of various DoD and AF medical applications. Since most AF medical applications are funded and fielded jointly, the DoD medical community involvement and coordination are necessary. AF/SG has not programmed and does not have sufficient funding to cover any costs associated with implementing this program. CoT implementation requires line funding, there are no OHIP dollars to support this initiative.	Wording in para 4 changed to "Air Force policy direction to adopt CoT, to include vetting appropriate timelines and waiver procedures for incorporation."
AFMC/EN Butler, SES	S				CoT is an outstanding product and should be formally adopted and deployed as an Air Force standard	Requirements and measures of performance have been determined and validated. User's needs have been assessed and are being met via CENTCOM AOR deployment.	No change required
AFMC/EN Butler, SES	S				One of the key virtues of CoT is its open, non-proprietary, scaleable architecture. Extreme care should be taken to preserve this characteristic as the CoT tool evolves.	Compatibility with advances resulting from industry investment. Compatibility with future applications and technology. Conducive to continuous competitive processes.	No change required
AAC/CA Ms Stickley 850-882-7688	S					Potential for significant impact to a number of AAC's development programs, including SDB II's weapon data link efforts. Additional study is required to fully assess implications of proposed policy. AAC requests to be included in the CCI, made a part of ESC's CoT program office and be consulted/participate in the writing of the policy. Additionally, if funding is provided for CoT work, AAC should be eligible for a fair share.	SAF/XC will incorporate other views using ESC as the AFMC CoT executive agent to consult with and seek participation from appropriate AFMC Center organizations during the development and vetting of the CoT policy and implementation planning
ESC (753 ESG) Jeffrey A. Hodgdon, Colonel, USAF 781-377-6811	A				- Fourth paragraph: change "DOD" to "DoD" - Fourth paragraph: spell out "IC" - Fourth paragraph: spell out "DNI CIOs"	Better readability	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	9	1	Change to "...information gets to the..."	Verb missing - need at least one word to convey what happens	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	11	1	Delete extraneous space between the sentences	Should only have two spaces between a period (.) and the start of the next sentence.	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	15	2	Change to "...where information that is required..."	Words needed to complete the thought in the sentence	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	17	2	Move "is very limited" to the end of the sentence to read as "...where bandwidth in support of our warfighters is very limited."	It is the bandwidth in support of the warfighter that is limited, not the bandwidth itself.	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	19	2	Do not capitalize "Metadata Environment Concept unless it is a formal program. It should be "... the Air Force metadata environment concept."	Only a formal program should be capitalized. All other references should not be capitalized.	Wording changed as requested
A4MM, Frank Hale, 695-5273	A	1	23	3	Change to "... be transitioned to the universal core standard in turn."	The universal core standard is the second step. The first step is to use the CoT and then to transition to the universal core standard so the term "in turn" completes that thought.	Wording changed as requested
A4MM, Frank Hale, 695-5274	A	1	24	3	Delete the words "in paragraph 4" since "below" automatically refers to the next paragraph which is paragraph 4.	The words are extraneous to the memo.	Wording changed as requested