National Training Center 52ID DCGS-A Interoperability Handbook and Mission Command Validation Checklist

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1. FOREWARD

The purpose of this handbook is to enable Soldiers to be successful in utilizing all the capabilities of DCGS-A based on the Lessons Learned from Brigade Combat Teams that have passed through the NTC during Decisive Action and COIN Rotations. This handbook serves as a checklist and step by step process to establish connectivity and become interoperable with ABCS systems, CPOF and FBCB2. This Manual does not provide instruction on how to use DCGS-A.

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SUBJECT: PRIOR TO ARRIVAL AT NTC	DATE Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
FSE or 35T	_____	**1. Security Classification High Water Mark (SCHWM) set to the correct classification;** **NOTE: It is best practice to work it out between the BDE and DIV to have the SCHWM set to the same classification across the force i.e. (SECRET or SECRET//NOFORN). NTC standard for all ABCS Systems is SECRET. *If one is set different than the other, some messages may not process into the TED database***
FSE or 35T	_____	**2. Ensure the latest quarterly IAVAs and antivirus have been applied to all the servers as well as the laptops;** **NOTE: PM DCGS-A only puts out IAVAs quarterly, it is part of the accreditation process and validation of the IAVAs to ensure the patches do not break the system.**
FSE or 35T	_____	**a. Login with an admin account; click properties on the security banner, the properties will have a list of the applied TBs and IAVAs;**
FSE or 35T	_____	**3. Ensure the latest Antivirus definitions are applied to all software platforms;**
FSE or 35T	_____	**a. Depending on the software platform, check to ensure the loaded definition date is within 7 days of the date it is being checked.** **NOTE: Here at NTC, DCGS-A systems must be IA compliant, loaded with McAffee Anti Virus and be on the most current version of DCGS-A software which is version 7.3**

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VALIDATION	DCGS-A OPERATIONAL CHECKLIST	PAGE 3 OF 17
SUBJECT: ABCS ADDRESS BOOK CONFIGURATION STEPS		**DATE** **Last Updated** **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
FSE or 35T FSE or 35T FSE or 35T FSE or 35T FSE or 35T	_____ _____ _____ _____ _____	NOTE: Address Book is configured to send messages i.e. ENSIT, TACREP, TIDAT, and IEO-XML as well as to identify who messages come from when subscribing from the DDS server. There are two ways to configure the address book (Manual and C2R). The first section will go through C2R. C2R is required when sending messages to AFATDS and VMF messages. Steps A-F are required for C2R. 1. First ensure that the C2R services are running on the IOP server; a. Navigate to Control Panel; Click Administration Tools; Click Services NOTE: If it is not started, navigate to C:\Program files (x86)\C2R; bin; then find the file "C2R_StartService.bat"; right click select Run As Administrator. 2. Navigate to Start; All Programs; DCGS; Messaging; Address Book; Options; Enter the Url information of the C2R server provided by the S6\G6 server team into the server IP box; Under TS3 Client Credentials; Ensure User Supplied Credentials is selected; Log In and Password are provided by S6/G6; 3. Open the Address Book on the IOP server; Click Start; All Programs; DCGS; Messaging; select "Address Book"; a. In the upper left hand side select File; Import; Expand Army by clicking on the + sign; Select the unit required; In the left pane, highlight the addresses you want to import; Select import, then close. NOTE: All fields below the server IP should automatically be filled in if you were provided with the correct IP from the S6/G6 server team and they have the LDIF loaded. Not all addresses are correct in the LDIF. If the address is for another DCGS-A IOP or ACE BLKII system you can change the information and ensure C2R address = "False". If the addressee is AFATDS the C2R address must be correct, if not contact the S6\G6 to change the information on the LDIF.

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SUBJECT: ABCS ADDRESS BOOK CONFIGURATION STEPS CONT		**DATE** Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: Now the addresses are imported, ensure all the information is correct.
FSE or 35T	_____	**1. System Name: <Hostname> (i.e. dcgsiop); System Type: DCGS-A; Source Enclave Code: [Unique ID]; C2R Address: True; Self: True; FTP Login Name: ftpuser; FTP Password: f-password (Click on the ... button next to the password field to enter password); FTP Directory: .\CHIMS; Host Name: dcgsiop; IP Address: [dcgsiop IP Address]; UseDNS: False; Janap PLA: CDR [Hostname]; Janap RI: RUWTAAA; MaxClassification: appropriate classification (NTC Standard is SECRET);**
FSE or 35T	_____	**2. IP address, Message Transfer Type should be in the following order; Priority 1 Message Type VMF, Header Type 47001C, Body Type MIL-STD 6017; Priority 2 Message Type MTF, Header Type 47001C, Body Type USMTF 2004; Priority 3 Message Type XML, Header Type None, Body Type CHIMS.** **NOTE: One address must be designated as Self = "True", ensure it is the correct Addressee.**

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SUBJECT: FTP CONFIGURATION STEPS		DATE Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
FSE or 35T	_____	**1. Ensure that the FTP service is running to enable IEO-XML (Complete TED Database);**
FSE or 35T	_____	**a. Ensure the user designated in the address book has the correct permissions for the CHIMS folder; Navigate to D:\inetpub\ftproot;**
FSE or 35T	_____	**b. Right click on the folder CHIMS; Properties; security;**
FSE or 35T	_____	**c. Ensure the user designated for FTP access has modify, read & execute, and write**
FSE or 35T	_____	**d. Next navigate to Administrative Tools; Internet Information services 6.0;**
FSE or 35T	_____	**e. Expand the local computer by clicking on the + ; click ftp, you will see a globe;**
FSE or 35T	_____	**f. On the right pane ensure the FTP service is running, if it is not click start.**

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SUBJECT: IEO/XML GATEWAY CONFIGURATION STEPS		DATE Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
FSE or 35T	_____	**1. To setup an IEO-XML push you must be on the IOP server;**
FSE or 35T	_____	**a. Launch MFWS; Open the SYSTEM MGMT tab; choose Interop Gateway Configuration;**
FSE or 35T	_____	**b. Open the IEO XML Gateway tab;**
FSE or 35T	_____	**c. Select the interval in which to setup the push;**
FSE or 35T	_____	**d. Scroll down and select the Recipient radial; then click the Select new recipient button next to it;** **NOTE: This is to select the addressee to send the TED database to. There can only be one addressee at a time.**
FSE or 35T	_____	**e. Choose the recipient select Send;**
FSE or 35T	_____	**f. Click commit at the bottom of the IEO XML Gateway tab.**

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SUBJECT: **DDS CONFIGURATION STEPS**		**DATE** **Last Updated** **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
FSE or 35T	_____	**1. Launch MFWS;**
FSE or 35T	_____	**2. Click on the SYSTEM MGMT Tab;**
FSE or 35T	_____	**3. Select Interop Gateway Configuration;**
FSE or 35T	_____	**4. Select DDS Gateway Tab;**
FSE or 35T	_____	**a. Ensure DDS Host Address matches local DDS IP address exam;**
FSE or 35T	_____	**b. DDS Context: /DDS/Services/DDS;**
FSE or 35T	_____	**c. DDS Port: 7443;**
FSE or 35T	_____	**d. Subscriber Port: 8090;**
FSE or 35T	_____	**e. Password: input username/password supplied from the DDS Server Manager (S6);**
FSE or 35T	_____	**f. TS3 Security: ON;**
FSE or 35T	_____	**g. Ensure the IOP Server Callback Information matches local IOP Server IP Address;**
FSE or 35T	_____	**5. Commit the changes and reboot the server.**

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SUBJECT: ESTABLISH DDS CONNECTION STEPS		**DATE** Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: Updated DDS Certificates need to be installed on your IFS Stack.
FSE or 35T	_____	**1. Go to services; ensure the DDS Client Interface (DCI6) has started; set to automatic if needed;**
FSE or 35T	_____	**2. Make Certain the CMP services are running;**
		NOTE: If CMP service fails to start, the DCI6 service will not start. If CMP complains about the java installation, reinstall java.
FSE or 35T	_____	**3. Ensure time is synced between the DDS server and the DCGS-A server; Confirm with the S6\G6 server team what time they have set; On the SYSCON laptop; Open vSphere; login; click the ESX hosts; click configuration tab; in the software box select time configuration; in the top right click properties; configure the time and save according to local time server;**
		NOTE: Do the above steps on all three ESX servers. Ensure all Windows Servers on IFS Stack time zone is set to UTC Monrovia Reykjavic.
FSE or 35T	_____	**4. Launch MFWS; open Messaging tab; connect to DDS Manager.**

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SUBJECT: **CREATE AN XOI STEPS**		**DATE** **Last Updated** **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**1. Launch MFWS;**
Operator	_____	**2. Click the GEOINT tab in MFWS;**
Operator	_____	**3. Open 2D Map;**
Operator	_____	**4. Click the GEOINT tab in MFWS;**
Operator	_____	**5. Open XOI Manager;**
Operator	_____	**a. XOI Name: NTC_XOI (example);**
Operator	_____	**b. XOI Shape: Rectangle;** **NOTE: DDS only works with rectangle XOIs.**
Operator	_____	**c. XOI Type: AOI (example);**
Operator	_____	**6. Click Create.**
		NOTE: By right-clicking in the upper right and lower left corner of the 2D Map, you can obtain the MGRS Grid for the upper right and lower left points for the creation of the XOI. The creation of the "NTC_XOI" preceding the interoperability process is executed to narrow down the location in which you would like to publish and subscribe to data.

VALIDATION	DCGS-A OPERATIONAL CHECKLIST	PAGE 10 OF 17
SUBJECT: CREATE AN ADVERTISEMENT STEPS		**DATE** Last Updated **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**1. Click MESSAGING tab in MFWS;**
Operator	_____	**2. Hover over DDS in the MESSAGING tab;**
Operator	_____	**3. Click DDS Manager and Configure;**
Operator	_____	**a. Click the Configure tab in the DDS Manager pane;**
Operator	_____	**b. Click the Primary Defaults tab;**
Operator	_____	**c. Set the advertisement defaults;**
Operator	_____	**(1) Select an advertisement option;**
Operator	_____	**(2) Click the Global Advertisement button in the Advertisement Defaults area as well as the Subscriptions Defaults area;**
Operator	_____	**(3) Type an organization name in the Org Name text box; ensure you are using the standardized name for your org/office; (Example: US/ARMY/52ID/G2)**
Operator	_____	**(4) Type in a description of what you are sending;**
		NOTE: Begin the description with "DCGS-A" to let other users know the product is coming from DCGS-A.
Operator	_____	**(5) Click the Category drop down; choose GRAPHICS;**
Operator	_____	**(6) Click the NTC_XOI in the Advertisement Defaults area as well as the Subscriptions Defaults area;**
		NOTE: DDS only works with rectangle XOIs.
Operator	_____	**(7) Click Save and then load located at the top of the configure tab;**
Operator	_____	**4. Create an advertisement;**
Operator	_____	**a. Click the Advertisements tab in the DDS Manager pane;**
Operator	_____	**b. Click the Advertisement Settings tab;**
		NOTE: The Full Title text box in the Title / Description area automatically populates with the data selected in the Category menu, Org Name, and Echelon text boxes located below the Full Title text box.

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SUBJECT: **CREATE AN ADVERTISEMENT STEPS CONT**		**DATE** **Last Updated** **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**c. Select a category;**
Operator	_____	**(1) Click the Category drop down; choose GRAPHICS;**
Operator	_____	**(2) Verify the category selected displays in the Full Title text box;**
Operator	_____	**d. Enter an echelon (Optional);**
Operator	_____	**(1) Type an echelon in the Echelon text box;**
Operator	_____	**(2) Verify the entry also displays at the end of the text in the Full Title text box;**
Operator	_____	**e. Type a description in the Description text box;**
		NOTE: Begin the description with "DCGS-A" to let other users know the product is coming from DCGS-A.
Operator	_____	**f. Ensure the Global Advertisement button has remained checked;**
Operator	_____	**g. Click an NTC_XOI in the Select XOI (Area of Occurrence) area, if different than what was set in the Configuration tab;**
		NOTE: DDS Manager only works with rectangle XOIs. If you select a different XOI than what was set in the Configure tab's Advertisement Defaults area, the newly selected XOI must reside within the XOI that was selected in the Advertisement Defaults area XOI. If it resides outside of the Advertisement Defaults area XOI, DDS will not deliver any reports for this advertisement.
Operator	_____	**h. Click the Create Advertisement button at the top right of the Advertisements tab;**
Operator	_____	**i. Verify display switches from Advertisement Settings tab to Current Advertisements and newly created advertisement is displayed in the Current Advertisements list;**
Operator	_____	**j. Click the Status Log tab**
Operator	_____	**k. Verify the advertisement results display in the Status Log.**
		NOTE: Ensure you are connected to the DDS Server. Connection errors will result in interoperability tribulations.

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SUBJECT: CREATE A SUBSCRIPTION TO AN ADVERTISMENT STEPS		**DATE** Last Updated **27 MAY 2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**1. Click MESSAGING tab in MFWS;**
Operator	_____	**2. Hover over DDS in the MESSAGING tab;**
Operator	_____	**3. Click DDS Manager;**
Operator	_____	**4. Click the Query/Subscribe tab in the DDS Manager pane;**
Operator	_____	**a. Select a category in the Category / Description area (Graphics);**
Operator	_____	**b. Type a description in the Description text box (Optional);**
Operator	_____	**c. Ensure the Global Advertisement button has remained checked;**
Operator	_____	**d. Choose the type of subscription. (Query and Subscription)**
Operator	_____	**e. Highlight the NTC_XOI in the Select XOI (Area of Occurrence) area;**
		NOTE: DDS Manager only works with rectangle XOIs. If you select a different XOI than what was set in the Configure tab's Advertisement Defaults area, the newly selected XOI must reside within the XOI that was selected in the Advertisement Defaults area XOI. If it resides outside of the Advertisement Defaults area XOI, DDS will not deliver any reports for this advertisement.
Operator	_____	**f. Click the Search Advertisements button at the top of the Query/Subscribe tab;**
Operator	_____	**g. Click the Search Results tab, if not opened;**
		NOTE: When a Search Results tab is selected the Create Subscription button is disabled. Select the Details tab to re-enable the button.
Operator	_____	**h. Click the Details tab;**
Operator	_____	**i. Click the Create Subscription button at the top right of the Query/Subscribe tab; repeat steps a-i for additional subscriptions; click the Current Subscriptions tab in the DDS Manager to view a list of the current subscriptions.** **NOTE: Since DDS only supports rectangle XOIs, if an XOI with a different shape is selected, the Selected XOI Error dialog box will display. When you successfully create a subscription, the Current Subscriptions tab opens displaying a list of subscriptions.**

VALIDATION	DCGS-A OPERATIONAL CHECKLIST		PAGE 13 OF 17
SUBJECT: PUBLISH GRAPHICS STEPS			DATE Last Updated 27 MAY 2014
ACTION POS	COMPLETE	CHECKLIST ITEM	
		NOTE: To publish Graphics through the DDS server, the creation of an XOI and configuration of the DDS Manager must be complete. It is best practice to complete steps in order to eleviate errors.	
Operator Operator Operator	_____ _____ _____	**1. Go to the 2D Map;** **2. Right click the Overlay that contains that information to be sent in the Map Table of Contents;** **a. Choose Send to DDS Manager;**	
		NOTE: You can also manually select individual entites by selecting them on the 2D Map and clicking on Import Graphics in the publish tab within the DDS Manager.	
Operator Operator Operator Operator Operator	_____ _____ _____ _____ _____	**3. Go back to the DDS Manager tab;** **a. Click on the Publish tab;** **b. Highlight the Advertisement just created ;** **c. Ensure the information in the Imported Graphics from Overlay box are visible;** **d. Click Publish at the bottom right; a pop up message saying Graphics Items Successfully Published will appear.**	
		NOTE: If an error message occurs, check connectivity in the bottom right corner of MFWS ensuring connection to IOP Server; Ensure connection to DDS Server in the top left corner of the DDS Manager tab; and ensure that you selected the advertisement you created prior to publishing Graphics.	

VALIDATION	DCGS-A OPERATIONAL CHECKLIST	PAGE 14 OF 17
SUBJECT: SEND ENSIT/TACREP		DATE Last Updated 27 MAY 2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: To publish Graphics through the DDS server, the creation of an XOI and configuration of the DDS Manager must be complete. It is best practice to complete steps in order to eleviate errors.
Operator	_____	**1. Send Enemy Situation Report (ENSIT) or Tactical Report (TACREP) using the messaging tool and TED database, launch MFWS;**
Operator	_____	**a. Click the ENTITY MGMT tab and select TED Data Browser;**
Operator	_____	**b. Highlight one or mulitple units or equipment from the TED;** **c. Open the MESSAGING tab in MFWS; hover over CMP and choose send selcted items;**
		NOTE: You can also right click units or equipment, go to send to, messaging, send selected items.
		NOTE: If an error message box appears stating, "Unable to access ABCS Address Book Web Service", your address book may not have been configured or configured properly. Please contact your DCGS-A FSE or 35T.
Operator	_____	**d. In the Select Message Recipients box which just opened, ensure that the message type from the drop down is an ENSIT or TACREP;**
Operator	_____	**e. In the left pane of the Select Message Recipients box select the Addresse(s) which will receive the message; click the green right arrow to move the Addresse(s) to the right pane; click send;**
Operator	_____	**f. Ensure the message has been sent by clicking on the MESSAGING tab in MFWS; Select Journal Entry Viewer; Click Outgoing to view latest sent message.**

Glossary

Acronym	Definition
AFATDS	Advanced Field Artillery Tactical Data System
AMDWS	Air and Missile Defense Workstation
APP	Application
ASAS-L	All Source Analysis System-Light
BAL	Basic Analyst Laptop
BATS	Biometrics Automated Toolset System
BCCS	Battle Command Common Server
BCS3	Battle Command Sustainment Support System
C2R	Command and Control Registry
CGS	Common Ground Station
CIDNE	Combined Information Data Network Exchange
CMP	Common Message Processor
CPOF	Command Post of the Future
DCGS-A	Distributed Common Ground System-Army
DCI	DDS Client Interface
DDS	Data Dissemination Server
DIB	DCGS Integration Backbone
DTSS	Digital Topographic Support System
FBCB2	Force XXI Battle Command Brigade and Below
GCCS-A	Global Command and Control System-Army
IMETS	Integrated Meteorological System
IOP	Interoperability
JCATS	Joint Conflict and Tactical Simulation
JCR	Joint Capabilities Release
JSWS	Joint Services Work Station
MFWS	Multi-Function Workstation
PASS	Publish and Subscribe Service
RTU	Rotational Training Unit
S2MC	Sustainment System Mission Command
SDE	Spacial Database Engine
TAIS	Tactical Airspace Integration System
TBC	Tactical Battle Command
TED	Tactical Entity Database
TIGR	Tactical Ground Reporting System
XOI	Generic Area of Interest

SUBJECT: AFATDS Configuration Sheet	DATE: Last update May 24,2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		Note: Obtain Start up Data, IP, Role Name, Gateway IP Subnet mask, Number of Effects Management Tool (EMT) Complete the following checklists to verify configuration:
Operator	_____	**1. Power on the system**
Operator	_____	**2. When prompted, verify that the Current IP, Current Net Mask , and Current Domain Name are correct, if so click No at each window (If incorrect, refer to FSE/FSR.)**
Operator	_____	**3. Login: Enter the Username: _____ and Password: _____**
Operator	_____	**4. Click OK at the "Performing COE login processes" pop-up**
Operator	_____	**5. Click Start >Tactical Communications Manager (The Communication Client window will appear) Verify that Tactical Communications Manager is configured with correct URN.**
Operator	_____	**6. Click Configure > Comm Server (The Tactical Communications Manger window will appear)**
Operator	_____	**7. Click Activate > Get Remote Resources > Click OK at the "Getting Remote Resources pop-up > EXIT > Minimize the window**
Operator	_____	**8. Click Start > AFATDS > ARMY (The progress indicator bar will appear)**
Operator	_____	**9. If the system classification is set to [Secret], click OK to all 10 security informational message pop-ups**
Operator	_____	**10. At the AFATDS Multi-workstation Operating Facility (OPFAC) Name window, leave blank if not operating in Multi-OPFAC role > Click OK (The Unit Configuration window will display)**

SUBJECT: AFATDS Configuration Sheet		

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**11. On the Unit Configuration Window, verify that the Unit ID and Unit Role are correct (If not, refer to the Basic Operation instructions.) The system time should be set and database restored if needed prior to activation**
Operator	_____	**12.In the lower half of the screen, highlight and verify the listed workstation (If incorrect, refer to the Basic Operation instructions) > Click Activate**
	_____	**13. Once Activated, click OK (Wait for the map to fully display and the Situations selection to activate on the Main Menu Toolbar)**
Operator	_____	**14. From the Main Menu toolbar, select Situations > Current (The Main Menu toolbar will change to the AFATDS Current toolbar)**
Operator	_____	**15. From the AFATDS Current toolbar, select Map > Display Map > Set the Map Mod / Map Setup and build overlays as needed**
Operator	_____	**16. From the AFATDS Current toolbar, click the Comms icon (2nd icon from left, resembles a phone receiver) > The Communication Workspace will open**
Operator	_____	**17. Verify units are built in the Unit Workspace and added as Destination Units to the communication workspace prior to establishing communications**
Operator	_____	**18. From Communication Workspace, highlight the Permanent local area network (LAN) > Select On (Wait for the network status to turn green, then minimize window) > Click on the telephone (upper left corner) > Highlight Permanent LAN (in the network data window) > Right click edit > Verify Gateway IP is correct> Cancel > Other Settings (upper menu bar) > Multicast Groups > Verify multicast groups are with IPs > Ok > Options > Exit**
		NOTE: The default route must be set to Yes

VALIDATION	**AFATDS OPERATIONAL CHECKLIST**	**PAGE 3 OF 3**
SUBJECT: AFATDS Configuration Sheet		

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**19. From the AFATDS Current toolbar, select System > Administration > Client/User (A Client/User Administration window will appear) > Verify that the client user accounts are built > Close Communications Window**
Operator	_____	**21.Click on the telephone (upper left corner) > Highlight Permanent LAN (in the network data window) > Right click edit > Verify Gateway IP is correct> Cancel > Other Settings (upper menu bar) > Multicast Groups > Verify multicast groups are with IP"s > Ok > Options > Exit**
Operator	_____	**22. Client Connection to Remote AFATDS Applications Service (RAAS): System > Admin > Client/User > Make sure that MCS is connected (Status will show green and connected) > Verify MCS receives targets in their live feed.**
Operator	_____	**23. Connect to PASS/DDS: Units > Track workspace > Options > Connect to Track Data Source > Connect > Role: Verify role matches > https: //IP address of the server:(_____)/PASS/DDS > User ID: role name > Password: _____> Ok (verify server is up). The pane on the right will show the available subscription topic; the left pane shows the available publish topics >select the topics below**
Operator	_____	**24. Publish to the following:**
Operator	_____	**a. TARGETS**
Operator	_____	**b.GRAPHICS**
Operator	_____	**c. POS-RPT**
Operator	_____	**25. Subscribe to the following:**
Operator	_____	**a.Graphics from DCGS-A**
Operator	_____	**b. Graphics from BCS3**
Operator	_____	**c. Graphics from MCS**
Operator	_____	**d. Graphics from AMDWS**
Operator	_____	**e. Graphics from CPOF**
Operator	_____	**f. POS RPT from FBCB2 and MCS**
Operator	_____	**g. Correlated Blue (preferred over POS RPT from either MCS or FBCB2**

SUBJECT: AFATDS Configuration Sheet	

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: To establish direct connectivity between AFATDS and DCGS, (verify URN and IP address with DCGS-A FSE/FSR). Ensure System Type is 47001C/USMTF 04. All C2R messaging must be sent to the DCGSAIOP. All DCGSA BAL's (PMFWS) will receive AFATDS info sent to the DCGSAIOP. DCGSABAL may direct message the AFATDS. DCGS may receive Geometries/FSCM's, Unit Locations and Target data from AFATDS and vice versa when connected to PASS/DDS. After AFATDS & DCGS-A has established direct messaging, the end result being that the DCGS-A can send the AFATDS a TIDAT (Target Indicator Data; aka Fire Mission Request).

ACTION POS	COMPLETE	CHECKLIST ITEM
SUBJECT: AMDWS Configuration Sheet		**DATE: Last update May 24,2014**
		NOTE: Verify the following information: PASS/DDS Server IP Address, PASS Username, PASS/DDS Username Password and Local ID and Port#. Complete the following checklists to verify configuration:
Operator	_____	1. Press the Power button located on the right side of the front panel to the Tadpole Topaz computer system
Operator	_____	2. Press <Ctrl> + <Alt> + <Del>. The US Department of Defense Warning Statement appears. Log In: At the Login screen, enter the Username:_____ > Enter Enter the Password:_____ > Enter
Operator	_____	3. Verify or change AMDWS Banner Bar settings
		NOTE: The AMDWS Tactical Planner banner bar automatically launches after login; however, if the banner bar does not appear, perform the following steps to start AMDWS.
Operator	_____	a.Select Start > All Programs > AMDWS > Start AMDWS to start the Tactical Planner. The AMDWS Tactical Planner banner bar appears
Operator	_____	b. The banner bar appears at the top of the AMDWS screen. The banner bar contains the following visual indicators: Alerts, System Time Zone, Local Node, System Classification, Spot Report (SR), Target Reference Point (TRP), RAM Event Manager (REM), Check Fire (CF), Configuration, Planner, Services, Help, and Close.
		Note: Place mouse pointer over icons on the banner bar to display a pop-up window with a short description of the selected icon. Observe the red, green, and yellow buttons with the associated number of the alerts on the left side of the banner bar
Operator	_____	4. Alerts: Click the Alerts button to open the Alert Manager window.
		NOTE: The maximum number of alerts that can be stored is 3000. Alert filters are provided based on alert types: RAM Alerts, Tactical Ballistic Missile (TBM) Alerts, Air Strike Warning Alerts, and Hostile Alerts. Click the corresponding symbol in the top section of the Alert Manager window to display a specific alert message type. To display all alert message types, click <Show All>.
Operator	_____	a. Click the Resize Window button next to the Help button (i.e., the question mark icon) to expand the Alert Manager window

SUBJECT: AMDWS Configuration Sheet	

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: The most recent alerts are displayed at the top of the columns in the Alert Manager window.
Operator	_____	**b. Priority column: Priorities are color-coded red, yellow, or green. Red is the highest priority and is displayed for shutdown, C-RAM launches, TBM launches, and NBC alerts. Yellow is a warning. Green is the lowest priority**
Operator	_____	**c. Alert Type column: Displays a list of alert message types**
Operator	_____	**d. Alert Message column: Displays the actual message of the alert**
Operator	_____	**e. Source column: Displays the source of the message**
Operator	_____	**f. Receive Time column: Displays the Date Time Group (DTG) that the message was received, and uses the ZULU time zone as the default**
Operator	_____	**g. The following options are available from the Alert Manager window: Print selected alerts, Center on selected alerts, Refresh alerts, Acknowledge selected alerts, Configure Audible Alerts, Delete selected alerts, and Delete all alerts**
		NOTE: The system requires that all messages be acknowledged prior to deletion. This is an indication that the user has read the alert message.
Operator	_____	**h. Configure Audible Alerts: Click the Configure Audible Alerts icon on the Alert Manager window. The Configuration window appears displaying the Configure Alerts screen.**
Operator	_____	**i. Audible Alerts: All of the alert check boxes are toggled ON by default. Enter or select the time for the resume audible notice for new alerts in seconds. Click the Alert Sound pull-down menu and select an alert sound. The default selected option is "alert_horn.wav."**

SUBJECT: AMDWS Configuration Sheet	

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: The Volume Conflict detection enables the automatic alerting of aircrafts entering and exiting specified airspaces. Do not click <Clear Values> unless you want to clear all the data entered and selected in a screen. Do not click <Clear All Values> unless you want to clear all the data entered and selected in the Configuration window
Operator	_____	**j. Click <Apply> to save changes**
Operator	_____	**k. Click <OK> to apply the changes and close the Configuration window**
Operator	_____	**5. Change Time Zone: Click the Change Time Zone button on the banner bar to automatically switch from ZULU to local or from local to ZULU time zone.**
		NOTE: The role name of the AMDWS appears on the left side of the system classification.
Operator	_____	**6. Verify system requirements**
		NOTE: Network Configuration and Mail Server Configuration are system administrator functions
Operator	_____	**a. Click the Configuration button on the banner bar to open the Configuration window. The Requirements screen is the first screen displayed in the Configuration window**
Operator	_____	**b. Under "Select the SA Sources you want to configure," toggle ON the check box next to the SA source; for example, FAAD.**
Operator	_____	**c. Under "Selected the Publish/Subscribe sources you want to configure," toggle ON the check box next to the Publish/Subscribe source; for example, BCDDS.**
Operator	_____	**d. Under "Select the Operational Planning Sources you want to configure," Toggle ON the check box next to the Operational Planning source; for example, C2BMC.**
Operator	_____	**e. Under "Select the AMDWS baseline," click the pull-down arrow to select CS11-12, CS13-14, or SWB2.**

SUBJECT: AMDWS Configuration Sheet		

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**f. Under "Select the AMDWS datum," click the pull-down arrow to select the proper map datum.**
		NOTE: The default selection is CS11-12 for interoperability with software block III systems. Select CS13-14 for interoperability with software block IV systems. Select SWB2 for interoperability with software block II systems. If the AMDWS baseline is changed, reboot the system
Operator	_____	**g. Services: Click the Services button on the banner bar. The Services window appears. The status of the Mission Command (MC) communications will be displayed in the Services window**
		NOTE: Always check the Services option on the banner bar to ensure the required service is running properly. The green arrow means the service is running. The red arrow means the service is down. The solid gray line means the service has not started.
Operator	_____	**4. Verify Personalization (C2R) configuration**
Operator	_____	**a. Click the Configuration button on the banner bar to open the Configuration window**
Operator	_____	**b. Click Personalization (C2R)**
Operator	_____	**c. Start the service by clicking the Run Service radio button**
Operator	_____	**d. Toggle ON the "Auto Start Service when system boots" check box to auto-start the service**
Operator	_____	**e. Configure C2R information**
Operator	_____	**f. Verify the IP address of an active server in the C2R IP Address field is correct**
Operator	_____	**5. Receive C2R Updates**
		NOTE: The server is not required to be in your local network

| SUBJECT: AMDWS Configuration Sheet | |

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**a. Verify one of the following radio buttons is selected: Manual Synchronization, Polling Interval, or Automatic**
Operator	_____	**b.Verify the selected time that the system administrator wants to retrieve updates from the C2R server; for example, 30 minutes**
Operator	_____	**c. Verify the role name in the Role field is correct**
Operator	_____	**6. Configure System Startup Options**
Operator	_____	**a. Verify one of the following radio buttons is selected: Synchronize at startup, Update only at startup, or None/Neither/No action**
Operator	_____	**b. Click <Apply> to apply the changes**
Operator	_____	**7. Enter C2R Login information**
Operator	_____	**a.Verify the username in the User Name field is correct**
Operator	_____	**b.Verify the password in the Password field is correct**
		There may not be a username and password for the C2R Login section. Contact the system administrator or S6 for more information. Always check the Services option on the banner bar to ensure the required service is running properly. The Communications service displays the communication status with the C2R

SUBJECT: BCS3/S2MC Configuration Sheet		DATE: Last update May 24,2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		Note: PASS/DDS utilization will require different configuations! FSE Obtains Start up Data, IP, Role Name, Gateway, IP, Subnet mask, Based on Unit SOP FSE Installs (LRT) Logistic Reporting Tool Java Application:Complete the following checklists to verify configuration:
BCS3/S2MC FSE	_____	**1. Power on the System**
BCS3/S2MC FSE	_____	**2. Login: _____ Password: _____ or per Unit SOP. Once desktop comes up, Right click My Network Places > Select Properties > Local Area Connection > Right click Properties > Internet Protocol Properties > Set the IP addresses > OK > Close**
BCS3/S2MC FSE	_____	**3. From Desktop, double click Start BCS3 Messaging > Select ABCS > Click Next > Enter the IP address for the BC server in the AIS Server IP section of the GUI**
BCS3/S2MC FSE	_____	**4.Click Load C2R (1-2 min wait) > Configure > Finish**
BCS3/S2MC FSE	_____	**5. When Pass/DDS GUI appears; put a check mark next to Select Enter Password > _____ Click Confirm AIS Configuration > OK > File > Accept Configuration > Minimize this GUI**
BCS3/S2MC FSE	_____	**6. Start > Programs > BCS3 > Messaging Functions > Tools > Reinitialize > Message Queues > Select/highlight all options > Reinitialize > Yes > Click OK for each option > Quit**
BCS3/S2MC FSE	_____	**7. Start > Programs > BCS3 >CMP> Messaging Functions Tools > Set Reporting Level. Use the search portion and enter the Unit Name > Find > Yes > Quit**
BCS3/S2MC FSE	_____	**8. BCS3 COP Startup: From the Desktop, double click BCS3 COP 2.4 to get to the current map**

	SUBJECT: BCS3/S2MC Configuration Sheet	

ACTION POS	COMPLETE	CHECKLIST ITEM
BCS3/S2MC FSE	_____	**9. If not, open the minimized BCS3 Pass/DDS GUI > Topic (Publication/Subscription) Status Tab > Subscription Status Tab > SYNC: MCS > Click the down arrow > Yes to confirm. Within a minute the Task Org Received pop-up will appear**
BCS3/S2MC FSE	_____	**10. Subscribe to POS-RPT from all > Graphics from all>, Enemy Sit from all,Topic on PASS/DDS > Check for locally/external published positions**
BCS3/S2MC FSE	_____	**11. Publish to local/external PASS/DSS and publish the following:**
	_____	**a. OPORD**
	_____	**b. Graphics**
	_____	**c. POS-RPT**
BCS3/S2MC FSE	_____	**11. Verify access to SharePoint portal, Log Off**
Operator	_____	**1. Power on the System**
Operator	_____	**2. Login: _____ Password: _____ or per Unit SOP.**
Operator	_____	**8. BCS3 COP Startup: From the Desktop, double click BCS3 COP 2.4 to get to the current map**
Operator	_____	**a. Open Configuration tab on right side of map**
Operator	_____	**b. Open Reports**
Operator	_____	**c. Open (LRT) Logistics Reporting Tool**
Operator	_____	**d. Select the following Unit Reports**
Operator	_____	**e. CL I**
Operator	_____	**f. CL III**
Operator	_____	**g. CL V**
Operator	_____	**h. CL VII**
Operator	_____	**i. Select CL VII Aged Reports**
Operator	_____	**j. Select CL VII Combat Power Report**

SUBJECT: CPOF Configuration Sheet	DATE: Last update May 24,2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: CPoF FSE/SysAdmin configures workstation, Obtain Start up Data, IP, Role Name, Gateway IP, Subnet mask, Synch Server IP, BC Server IP, Unit Name and URN
Operator	_____	**1.In the Tree viewer you will find the Shared Products icon (the turquoise globe)**
Operator	_____	**2. Sharing Products subscribed data through the CPOF DataBridge (ie: PLI Feeds, Graphics from other ABCS systems). Imported CPOF Exchange data appears in the appropriate PASS, DDS, or DataBridge P2P Exchange import Efforts.**
Operator	_____	**a. Click on the appropriate Unit Plus sign to open the information center (Exp 52ID Information. Center)**
Operator	_____	**b. Click on Plus sign to open SUSCRIBE (Import)**
Operator	_____	**c. Click on Plus sign to open PASS/DDS Graphics (Imported)**
Operator	_____	**d.Click on Plus sign to open PASS/DDS Graphics Import**
Operator	_____	**e. Select the Appropriate Effort, drag it to your Effort list, and activate it**
Operator	_____	**3. To publish graphics Click on Plus sign to open PUBLISH (Export)**
Operator	_____	**a. Click on Plus sign to open PASS/DDS PUBLISH.**
Operator	_____	**b. Click on Plus sign to open PASS/DDS Graphics Publisher**
Operator	_____	**c. Select the Appropriate Effort from your Effort list, and drag it to the space just below the PASS/DDS Graphics Publisher title**
Operator	_____	**Note: When sharing through shared products, follow the SOP naming convention and only share products that are Mission Critical**
Operator	_____	**3.Verify access to SharePoint portal Pre-**
Operator	_____	**4.Verify access to e-mail server**
Operator	_____	**5. Launch MS Office products > Upload/download documents to/from the web server (SharePoint portal)**
Operator	_____	**6. Send /Receive e-mail with attachments (keep attachments small)**

VALIDATION	FBCB2 OPERATIONAL CHECKLIST		PAGE 1 OF 1
SUBJECT: FBCB2 Configuration Sheet			DATE: Last update May 24,2014

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: Initial configuration must include: Start up Data URN, Role Name Username Password, Local ID and Port#. Complete the following checklists to verify configuration:
Sys Admin	_____	**1. Start FBCB2 Configure Role**
Sys Admin	_____	**2. Select role from the hierarchal drop down**
Sys Admin	_____	**3.Verify the desired role > Select OK** Pre-
Sys Admin	_____	**4.Equipment Type Leave as Default Click OK. The system will prompt you to REBOOT**
FSE/ABC Eng.	_____	**5.After the AIC platform is online, connect the AIC to PASS/DDS: Select Start FBCB2 PASS/DDS Services > Click PASS client > Log Window appears > Choose EZPASS > Type in IP of BC server of Gateway**
Operator	_____	**6. Enter BC server Password_____ Select the Configure button**
Operator	_____	**7. Subscribe to MCS Pos, RPT, AFATDS Targets**
Operator	_____	**8. Publish the following POS.RPTS: EPLRS,LBAND, MTS, Geo Ref, OBS**
Operator	_____	**9. Change publish level, if needed, to match the current role. US/ARMY (BDE or BN) > Save Topics > Begin PASS/DDS Services**
Operator	_____	**10. Transmit C2 messages: Free Text**
Operator	_____	**a. MCS**
Operator	_____	**b. DCGS-A**
Operator	_____	**c. AFATDS**

SUBJECT: TAIS Configuration Sheet		**DATE: Last update May 24,2014**

ACTION POS	COMPLETE	CHECKLIST ITEM
		NOTE: The TAIS Technician has to load and/or stack the current LDIF. Then the system has to be shutdown completely and re-started
SysAdmin	_____	**1. At the Current IP Configuration prompt, type "N" > Enter >Enter the assigned IP address > Enter > Enter the Netmask > Enter the Subnet Gateway > Enter Time Server"s IP address (This is the BC server IP) > Enter**
SysAdmin	_____	**2. The Current IP Configuration prompt will appear with the configurations entered. If correct, type "Y" > Enter (The system will continue boot processes)**
SysAdmin	_____	**3. At the Log in screen, Sysadmin Log in: _____ > Enter > Sysadmin Password: _____ > Enter**
SysAdmin	_____	**4. Personalize the TAIS, Here is where you specify BCID environment/SWB2/CS11-12**
SysAdmin	_____	**a. Click Start/TAIS/TAIS Personalization (Window will appear after a few seconds, click next)**
SysAdmin	_____	**b. Select MAC Bridge Miniport – Packet Scheduler Miniport**
SysAdmin	_____	**c. Per Unit SOP Complete the following checklists to verify configuration:**
SysAdmin	_____	**d. Select Static IP Address> Click Add under IP Address > Enter IP Address> Enter Subnet Mask> Click the Box next to IP address to enable>Click Add under Default Gateway>Enter Gateway> Click Next> Add DNS> Click Next> Select MAC Bridge Miniport – Packet Scheduler Miniport> Enter Shelter/AWS ID> Select SVR or AWS> Click Next> Select ABCS > Enter BCS IP address> Click Next>Click Finish**
SysAdmin	_____	**5. Configure Databridge**
SysAdmin	_____	**a. Double Click the Configure Databridge icon on desktop**
SysAdmin	_____	**b. Select Plug-Ins/Pass/Properties**
SysAdmin	_____	**c.Verify configuration to PASS/DDS, enter correct information**
SysAdmin	_____	**d. Select Plug-Ins/PASS/DDS/Publish**
SysAdmin	_____	**e. In the right-hand Publications frame click Graphics (Graphical overlay)**
SysAdmin	_____	**f. Click Enable Topic**

	SUBJECT: TAIS Configuration Sheet	

ACTION POS	COMPLETE	CHECKLIST ITEM
SysAdmin	_____	**g. Select Plug-Ins/PASS/Subscribe**
SysAdmin	_____	**h. Per SOP Subscribe to the required topics,>AIR-TRK,POS-RPT,CTFP,ENEMY-SIT,GEO-REF,TARGETS,OBS-POS**
SysAdmin	_____	**i. Click Save, then Close**
SysAdmin	_____	**6. Load Maps**
SysAdmin	_____	**a. Click File/Load Map Data on the CommandSight**
SysAdmin	_____	**b. Navigate to C/Mapdata/Map name**
SysAdmin	_____	**c. Locate and select file appripriate file**
SysAdmin	_____	**d. Click Open**
SysAdmin	_____	**e. Map will load**
SysAdmin	_____	**7. To pull C2R: Start > TAIS System Administrator > Applications > C2R Configurations > System IP should appear as the local address. If not, shutdown the system and change the IP at the Current IP Configuration prompt**
SysAdmin	_____	**8. Enter the Server Address > Select Query C2R (Wait for the Domain, Unit, Group, and Host Alias to pull from server and turn gray) > Select Apply (A Configuration Updated Successfully GUI will appear) > Select OK > Close**
		Note:C2R automatically configures Role/Unit Name/URN (This happens only when LDIF is loaded prior to personalization
SysAdmin	_____	**9. Log off sysadmin**
Operator	_____	**10. At the login screen,(_____) Login: _____ > Enter > (_____) Password: _____ >Enter**
Operator	_____	**11. Publish to PASS/DDS**
Operator	_____	**a. Click and highlight the Air Coordination/Control Function (ACO) you wish to publish in the ACO tab of the Data Controller window.**
Operator	_____	**b. Click File Publish on the Data Controller**
		Note: Enter any caveats in the Release Marking field of the Publish ACO window. Caveats can include any special handling or distribution instructions such as NOFORN, FOUO, or RESTRICTED.
Operator	_____	**c.Select either ACO – to publish the ACO in a data format – or Overlay – to publish the ACO as a graphic.**

SUBJECT: TAIS Configuration Sheet		

ACTION POS	COMPLETE	CHECKLIST ITEM
Operator	_____	**d. If you selected ACO, skip to step f**
Operator	_____	**e. If you selected Overlay, indicate whether this is a planned or accepted (approved) ACO graphic**
Operator	_____	**f. Click Publish to publish the ACO to PASS or DDS**
Operator	_____	**g.Click Close to close the Publish ACO window without publishing**