



**pm J-AIT**  
 PRODUCT MANAGER  
 JOINT-AUTOMATIC IDENTIFICATION TECHNOLOGY

July 2011

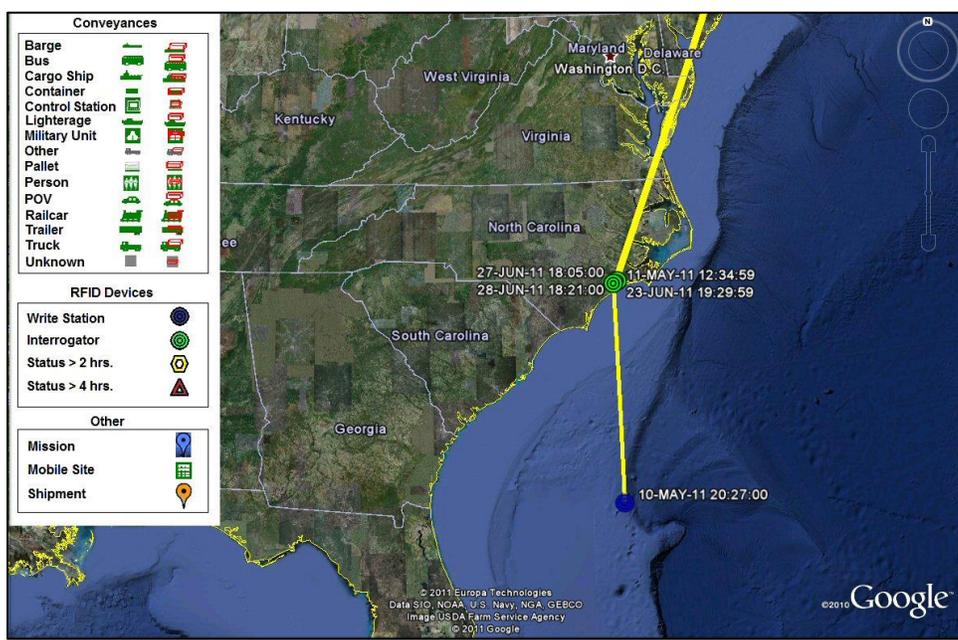
# PM J-AIT ITV Operations and Training Newsletter

Check out the **PM J-AIT Web site** at the new URL: <http://www.ait.army.mil> to view the latest PM J-AIT contract(s) for AIT and Radio Frequency Identification (RFID) hardware, software, technical engineering services, and maintenance.

## Why Is Registering The Correct Latitude And Longitude So Important?

When registering your Radio Frequency (RF) *Read* interrogator or *Write* station, it is essential to enter the correct latitude and longitude coordinates. The coordinates entered during the registration process not only make the difference in finding the correct location of a *Read/Write* site on the **Radio Frequency In-Transit Visibility (RF-ITV) Tracking Portal's** Web Mapping Application but also make a difference in your ability to maintain visibility of your shipments using the Web Mapping Application. Most importantly, these latitude and longitude coordinates are also used by other Command and Control (C2) systems like Battle Command Sustainment and Support System (BCS3) in their mapping applications. Incorrect coordinates can impact other systems and give a false impression of where tags were last seen.

Let's take a look at how incorrect coordinates are depicted on the **RF-ITV Tracking Portal**. Using the Web Mapping application and looking at the graphic depiction of the movement of Tag ID 6696800, it appears that it was written on 10 May 2011 off the coast of Georgia, then traveled to North Carolina.



For questions or comments, please contact one of the following:

**Cynthia Jones**, RF-ITV Team Chief  
[cindy.i.jones@us.army.mil](mailto:cindy.i.jones@us.army.mil)  
 (703) 325-2289 DSN (312) 221-2289

**Reggie Madden**, RF-ITV Operations  
[reginald.m.madden@us.army.mil](mailto:reginald.m.madden@us.army.mil)  
 (703) 325-3237 DSN (312) 221-3237

**Virgil Green**, COCOM RF-ITV Operations  
[virgil.green@us.army.mil](mailto:virgil.green@us.army.mil)  
 706-545-6158 DSN (312) 835-6158

**Jerry Rodgers**, Operational Readiness  
[jerry.d.rodgers@us.army.mil](mailto:jerry.d.rodgers@us.army.mil)  
 (703) 325-2988 DSN (312) 221-2988

**Jose Gonzalez**, Operational Systems Engineer  
[jose.i.gonzalezlatorre@us.army.mil](mailto:jose.i.gonzalezlatorre@us.army.mil)  
 (703) 325-3026 DSN (312) 221-3026

**Solina Mao**, RF-ITV Asset Manager  
[solina.mao@us.army.mil](mailto:solina.mao@us.army.mil)  
 (703) 325-2299 DSN (312) 221-2299

**Chris Maeger**, RF-ITV System Analyst  
[Chris.Maeger@us.army.mil](mailto:Chris.Maeger@us.army.mil)  
 (703) 325-3018 DSN (312) 221-3018

**PM J-AIT LNOs:**

**Douglas Cantaral**-Southwest Asia  
[douglas.h.cantaral@kuwait.swa.army.mil](mailto:douglas.h.cantaral@kuwait.swa.army.mil)  
 Commercial: 011-965-389-6935  
 DSN (318) 430-6935

**Charles Van Sistine**-CENTCOM  
[charles.vansistine@us.army.mil](mailto:charles.vansistine@us.army.mil)  
 (813) 827-3359 DSN (312) 651-3359

**Ken Smith**-EUCOM & AFRICOM  
[John.smithsr@us.army.mil](mailto:John.smithsr@us.army.mil)  
 Commercial : 011-49-6221-57-8821  
 DSN (314) 370-8821

**Andy Smith**-NORTHCOM, FORSCOM, TRANSCOM, National Guard Bureau SOUTHCOM, Army Materiel Command, US Navy, Air Force, and Marine Corps  
[andy.smith@us.army.mil](mailto:andy.smith@us.army.mil)  
 (703) 325-3116 DSN (312) 221-3116

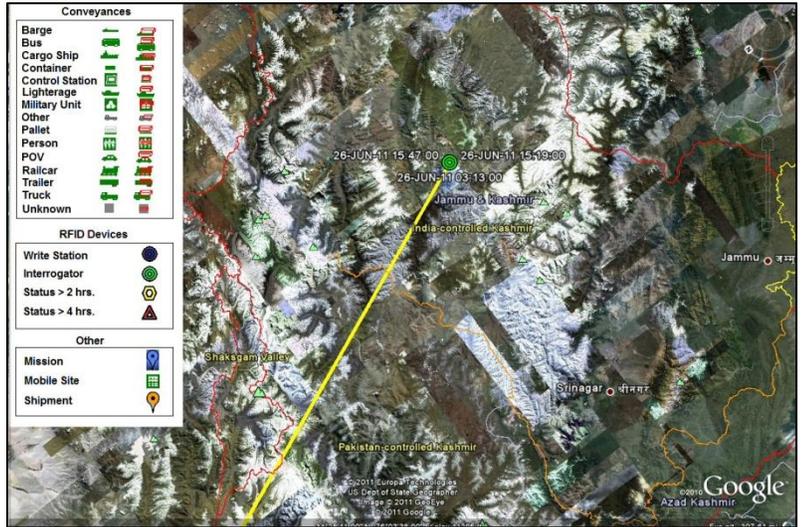
PACOM (Vacant)

**RF-ITV Training: RF-ITV Global Help Desk**  
[help.rfitv@us.army.mil](mailto:help.rfitv@us.army.mil)  
 1 (800) 877-7925 DSN 94 wait for dial tone then dial 1 (800) 877-7925

Continuing to follow the movement track of Tag 6696800, its last location appears to be Kashmir, Pakistan.



The United States is west of the GMT so CONUS sites would be **North Latitude** and **West Longitude**. This is important! If you enter the wrong hemisphere, your coordinates will be incorrect and your interrogator may look like it is located in the middle of the ocean or in a different country!



Now let's take a look at the tag data. Using the Tag ID query on the **RF-ITV Tracking Portal**, we looked up Tag ID 6696800. Based on the Site Description on the read events of the tag (below), it appears to have remained in or around Camp Lejeune, North Carolina. Which leads us to ask: Which is correct, the Lat/Long or the site description? Where is this tag? The incorrect latitude/longitude makes it confusing and reduces the effectiveness of RF-ITV tracking.

**TAG ID: 6696800**

Lead TCN	Container	Consignor (From)	PDE	POD	Consignee (To)	Hazmat	TP	Operation	Service	Class
M2164011266H04STO	CO554		22A	22A	M21640	X			MARINE CORPS	CLASS IX

**Free Text**  
M21640UNITLCLP STEMBRIDGE

**Sensor Info** - This is not a sensor tag.  
There is no sensor information found for this shipment!

**Shipment Map**

NIPRNET	non-NIPRNET
---------	-------------

**Location/Tracking - Last reported at CAMPLEJUENER40250058 at 2011-JUN-28 18:21**

First Reported Date	Last Reported Date	Event	RF Hit(s)	Status	Site ID	Site Name	Site Description
2011-JUN-27 18:05	2011-JUN-28 18:21	READ	36		04453068	CAMPLEJUENER40250058	CAMP LEJUENE NC LZ ROBIN PDK 4025
2011-JUN-26 15:19	2011-JUN-26 15:47	READ	11		05090005	LZROBINPDK4006	CAMP LEJUENE NC LZ PDK4006
2011-JUN-26 03:13	2011-JUN-26 15:17	READ	3		05090005	LZOLRPDK4006005	LEJUENE NC MDC PDK 4006
2011-JUN-23 19:29	2011-JUN-23 19:29	READ	1019		59487	LEJUENER10	LEJUENE NC MDC/TMO RECEIVING BLDG 1118
2011-JUN-11 00:25	2011-JUN-11 00:25	READ	1		04453068	CAMPLEJUENER40250058	CAMP LEJUENE NC LZ ROBIN PDK 4025
2011-MAY-11 12:34	2011-MAY-11 12:34	READ	16		59487	LEJUENER10	LEJUENE NC MDC/TMO RECEIVING BLDG 1118
2011-MAY-10 20:27	2011-MAY-10 20:27	WRITE	1		T904050119	LEJUENEW2	LEJUENE NC MDC S&R BLDG 1118

Latitude and longitude coordinates are not automatically generated by the **RF-ITV Tracking Portal** and must be entered by the user when setting up a *Read* or *Write* site. To look up the Lat/Long coordinates for your site, you can enter your address on sites like *Google Earth*, *Multimap* (<http://www.multimap.com>), and *Maporama* (<http://www.maporama.com>). (Note: Not all installation information managers or network administrators allow access to these sites. You must have appropriate privileges and/or rights on the computer you are using in order to access these sites.) A Global Positioning System (GPS) Lat/Long converter tool is also available on the **RF-ITV Tracking Portal** under **Tools and Support > Tools**. This tool will convert coordinates in decimal degrees to degrees, minutes, and seconds, the format that is consistent with the **RF-ITV Tracking Portal**.

Once registration is complete, it is a good idea to check to see if the Lat/Long coordinates you used during registration show up at the correct geographical location on a map by using the Google Earth application which is accessible from the **RF-ITV Tracking Portal**. Just look up your Site Details (**RF Network > Site Details**) and click on to map the site in Google Earth.

## Site Analysis: BUSANW6, T904070057, Pusan/Busan, Korea

For this month's analysis we looked at the data quality of RFID tags being written by BUSANW6, T904070057 in Pusan/Busan, Korea. Using the **Site Activity** query, we looked at the tag writing workload of BUSANW6 for the period of 16 May – 21 June 2011. The query identified 43 tags written, and the following are the results of our data analysis:

- By comparing the Port of Debarcation (POD) and Consignee Department of Defense Activity Address Code (DODAAC) on the RF tags to the final read event on the tags, it was determined that 27 of the 43 tags (63%) had reached their final destinations. Of the tags that reached final destination, 19 tags produced a "TK6" transaction. TK6s are created when the Consignee DODAAC on the tag matches a "Supported DODAAC" listed on the read interrogator's registration page.
- Of the remaining 16 tags, eight tags were last read leaving Busan and have not been read since, three tags were never read after the write event, and we are unable to determine if four of the remaining five tags reached final destination due to final destination not being instrumented with *Read* capability. One tag was last read at Camp Humphries on 08 June 2011 and was not read again; therefore we can't determine if it made it to final destination.
- All 43 tags contained valid Port of Embarkation (POE) and POD codes. However, six tags contained codes that were used improperly (mixed ground codes with sea codes), and 20 tags had the POE and POD flip-flopped. All tags should have used "75E" as the POE.
- Forty-two tags contained proper Consignee DODAACs listed in the **RF-ITV Tracking Portal** database. The remaining DODAAC (N22210) is not in the **RF-ITV Tracking Portal** database and appears to be a typo based on information provided in the Transportation Control and Movement Document (TCMD) data.
- Only two of the 43 tags had commodity data displayed. Complete commodity data allows users more options for query searches and provides more complete data sharing with other ITV systems.
- By looking at the archive data on the **RF-ITV Tracking Portal**, it was determined that 15 of the 43 tags had been previously used within the last year.
- The information on the Registration (**Site Details**) page (e.g., point of contact, phone, email, etc.) was correct.

## For and From the Field

**National Stock Number (NSN) for International Organization for Standardization (ISO) Universal Serial Bus (USB) Write Cable**

<u>Item</u>	<u>NSN</u>
ISO USB Write Cable Assembly, Special Purpose, Electrica	5995-01-591-5656

For a complete list of NSNs for all RFID III items, go to: [http://www.ait.army.mil/contracts/rfidiii/nsn\\_for\\_rfid.html](http://www.ait.army.mil/contracts/rfidiii/nsn_for_rfid.html)



### **RF-ITV Global Help Desk (GHD)**

**Toll Free:** 1 (800) 877-7925, **DSN:** Dial 94 plus (800) 877-7925,  
**Commercial:** (703) 579-2834

**AKO Instant Messenger Username:** help.rfitv

**Green Force Tracker/Lotus Sametime Group Name:** PEO EIS-PM J-AIT-GHD  
(4 AM – 9 PM EST)

**Email:** [help.rfitv@us.army.mil](mailto:help.rfitv@us.army.mil)

The RF-ITV GHD should be contacted before any attempt to reach an FSE in your area.

If you would like to subscribe to the newsletter or if you have a noteworthy RF-ITV story, lesson-learned, or short article for publication in the newsletter, please submit to Jerry Rodgers, PM J-AIT, [jerry.d.rodgers@us.army.mil](mailto:jerry.d.rodgers@us.army.mil).

# The Regional Training Team's (RTT's) Tips and Tricks

## Copy Function in TIPS Write

Using the **Copy** function in the **Edit Shipment** box will quicken the writing process of tags using the **TIPS Write** software. This tip will go over the process of using the **Copy** function and detail the boxes that will be copied to each sustainment. The process will start with the knowledge that the user has the sustainment **Edit Shipment** box open.

1. In the **Edit Shipment** box you will see the "**Copy [C] Fields to the Next Shipment**" at the bottom right. Click on the box to activate the **Copy** function for all shipments. (Figure 1)
2. This will allow all the boxes with **[C]** to be automatically copied to the next shipment. These boxes are: **Carrier Code, Service/Unit/Vendor, Commodity Class, Operation, and Free Text.**
3. The **Carrier Code** box is a drop down menu with **Air, Land, Rail, and Sea**. The ocean carrier's Standard Carrier Alpha Code (SCAC) will be utilized for containerized shipments. The respective carrier's SCAC will be used for break-bulk shipments. Select an option from the drop down menu or enter your own carrier code with a max of four characters. (Figure 2)

Figure 1.

Figure 2.

4. The **Service/Unit/Vendor** box should be filled with the appropriate consignee name receiving the shipment.
5. The **Commodity Class** is a drop down menu with all class selections that identifies the class of the cargo in terms as defined by DOD. There are ten categories into which supplies are grouped in order to facilitate supply management and planning. Select an option from the drop down menu. (Figure 3)

6. The **Operation** box should be filled with the appropriate name assigned by DOD or a user to identify the supported activity of the shipment. This box has a max of 16 characters.
7. The **Free Text** box is used for text that is not predefined in any of the other boxes in the **Edit Shipment** box tab. Though not a requirement, it might prove helpful to fill the **Free Text** box with the users ".mil" email address and phone number.

Figure 3.

# The Regional Training Team's (RTT's) Tips and Tricks (cont'd.)

8. When all the boxes are filled, click on the **Save** button at the bottom right. (Figure 4)

The screenshot shows the 'Edit Shipment' window with the following details:

- Lead TCIN: AWCELB0\$0D00070XX
- Tag ID: 5402630
- Shipment Format: Sustainment
- Write Status: Ready
- Create Date: 06/23/2011 11:46:10 GMT
- Container Category: Other (selected)
- Container ID: USAA1234567
- Header: TCMD, Commodity
- Consignor (From): W61QPP
- Hazmat: X
- Carrier Code: AIR
- Consignee (To): W61QPP
- Ship Date: [empty]
- Service / Unit / Vendor: MACS-2 DET A
- POE: IMJ
- Pieces: 0001
- Commodity Class: CLASS I
- POD: LKC
- Weight (Pounds): 05380
- Operation: DEVIL DAWG
- Priority: 3
- Cube (Cubic Feet): 0910
- Free Text: JOHN. BURK@US.AR  
NY.MIL 703-579-5700
- Hazard Class: [empty]
- Net Explosive Weight: [empty]

Buttons at the bottom: New, Copy, Previous Shipment, Next Shipment, Save (highlighted), Close. Status: Format: Sustainment, Shipment 1 of 5 open shipments.

Figure 4.

9. The **Next Shipment** button is now highlighted and able to be clicked. Click on *the Next Shipment* button. (Figure 5)

This close-up shows the 'Next Shipment' button highlighted in a red box. Other buttons visible include 'Previous Shipment', 'New', 'Copy', 'Save', and 'Close'. The status bar at the bottom reads 'Format: Sustainment' and 'Shipment 1 of 5 open shipments'.

Figure 5.

10. All the **Copy** boxes will be transferred to the next shipment. The shipment should now read 2 of X (X being the number of shipments that you will be writing). (Figure 6)

The screenshot shows the 'Edit Shipment' window after clicking 'Next Shipment'. The status bar at the bottom now reads 'Format: Sustainment' and 'Shipment 2 of 5 open shipments', with 'Shipment 2 of 5 open shipments' highlighted in a red box. The 'Next Shipment' button is no longer highlighted. The 'Copy' checkbox is checked. The 'Save' and 'Close' buttons are visible.

Figure 6.