



# PM AIT ITV Operations and Training Newsletter

August 2004

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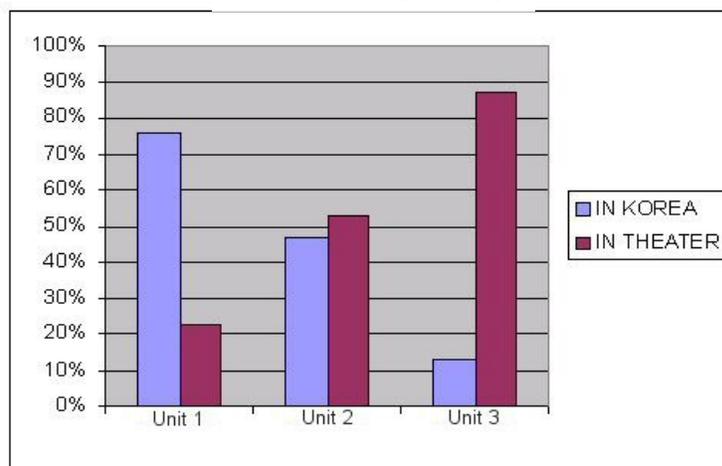
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## Tracking Your Deployment

For this month's newsletter, we looked at the 2d Infantry Division, Brigade Combat Team (BCT) deployment from Korea to Iraq. In sharing how we did our data analysis, we hope it will give you some ideas on how to track and analyze your own unit moves and enhance support of your future deployments. During this deployment operation, nearly 2,000 RF tags were written and affixed to equipment allowing the tracking of sensitive and mission critical cargo from Korea to Iraq. Knowing the port of debarkation (POD) and port of embarkation (POE), we used the *Multiple Data Elements* query to search for the POE and POD and for 2ID and found over 1,500 of these tags. We also found additional tags by changing our search elements to "21D". **The lesson learned here is consistency in entering the data when you write your tags—consistency makes it easier to find your tags on the ITV Server.** Another tip to make querying for your unit's tags easier is to put a POC name in the *Free Text* field. Then you can do a *Single Data Element* query by free text and search for the POC name.

We tracked three units from the time their tags were written in Korea to the time of their arrival in Iraq. In our data analysis of this move, we were able to track the progression of the shipment. At the time of the analysis, we found one unit to have 76% of their cargo in theater while one unit had only 13%. This type of information could be critical for commanders' operational decision.

### Combat Capability



We were also able to determine that the average ship time (from departure in Korea to arrival in Iraq) for these three units was about 22 days. This kind of analysis could be useful in your planning purposes. At origin, it could be helpful in determining when you have to have cargo prepared and shipped to be at its destination on time. At the destination, it will help you determine an estimated time you can expect your cargo to

Check out the PM-AIT website at:

<http://www.eis.army.mil/AIT> to view the latest and greatest PM-AIT hardware contract(s) for AIT and RFID equipment.

arrive so that you can have the space, manpower, Material Handling Equipment (MHE)/Container Handling Equipment (CHE) available to receive, process, and move the shipment to the final destination. It also informs you when critical supplies and equipment should arrive.

Although these tags were written an average of 20 days prior to their movement, visibility was maintained throughout the deployment due to efficient planning and preparation. It is a good idea to keep in mind, if you write your tags a number of weeks prior to your unit move, turn the battery around to conserve the life of the battery (turn the battery around in the 410 tag—turn the tag around in the bracket to the “off” position for the 412 tag). The internal secondary battery will maintain the data for years; however, you must make sure that prior to shipping, you turn the battery back around so that your tag is active. In addition, be sure to use a handheld interrogator to verify the battery life and if the battery power is low, replace the batteries.

During this deployment operation, the USFK temporarily established 5 write and 10 read stations/sites at 15 different locations to facilitate the writing of tags and tracking them from the departing unit’s location to the final destination. The pre-deployment phase is a good time to take a look at your current ITV infrastructure to make sure your business process hasn’t changed. As you do an ITV site survey of your deployment route/process, you may find that there are gaps in the visibility of your shipments. For ITV gaps that are temporary, establishing an EEDSK site would be sufficient. However, if the site needs to be more permanent (i.e., a new entrance/exit gate has been built), an interrogator should be installed by a Field Service Engineer (FSE) to support your long-term plans. More information on operational readiness and how to contact an FSE for your area can be found in last month’s newsletter which is located on the PM AIT Web site at <http://www.eis.army.mil/AIT>.

The 2ID, BCT deployment from Korea marked a historical milestone as the first RFID ITV partnership with US forces deploying from the Republic of Korea to a combat theater. Congratulations on a successful tagging and deployment operation go to the 2d Infantry Division! Its success was largely due to the hard work, dedication, and technical expertise from the united efforts of 2ID soldiers and their civilian counterparts.

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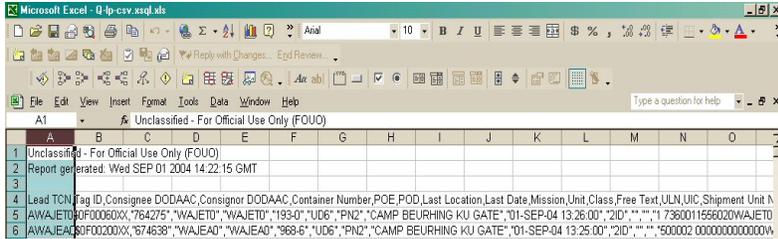
### Importing Your Unit Movement Data From The ITV Server

You can create MS Excel spreadsheets to do your own data analysis of your deployment operation. The following directions are also available in the 2004 ITV Server Guidebook (<http://www.cascom.army.mil/Automation/ITV/guidebooks/index.htm>) and will be included in the 2005 version.

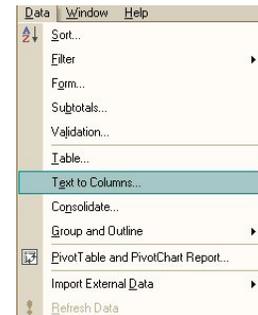
Once you have done a *Single Key Data Element* or *Multiple Data Element* query and have located your tags:

1. Click on the  icon to import data from the query into a spreadsheet.
2. Select *Open* to open the file or *Save* to save the file on your computer. The import operation could take a few minutes depending on your PC and the amount of data you are importing.

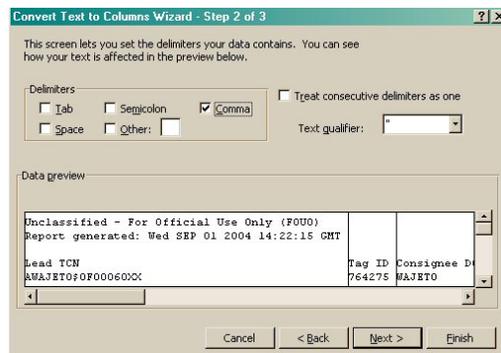
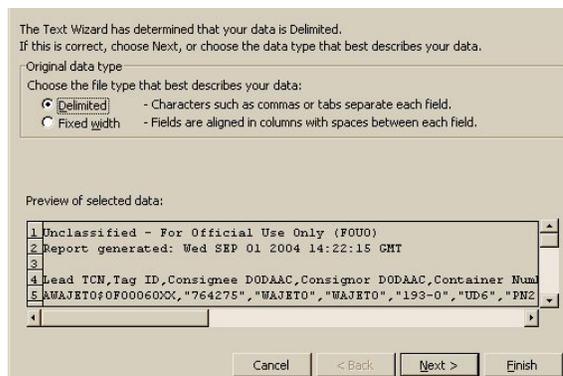
3. Once you have opened the data, highlight (select) a column.



4. Select *Data* from the menu bar, then select *Text to Columns*.

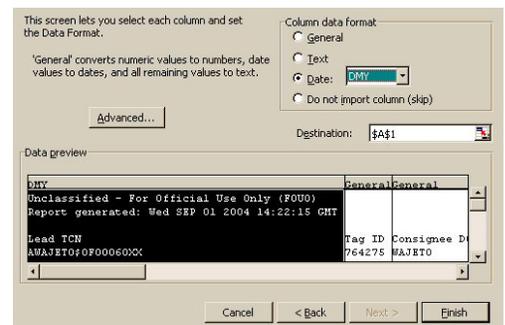


5. Select *Delimited* and click *Next*.



6. Select *Comma* for the next delimiter and click *Next*.

7. Select *Date* for the column data format. From the drop down menu, select *DMY* and click *Finish*.



Save the spreadsheet to do your own data analysis.

## Lessons Learned

If you have any ITV/RFID tips, hints, or lessons learned that you have found useful in your deployment process and would like to share this information, we would like to include it in a future issue of our newsletter. Sharing lessons learned can help:

- Maintain efficiency in your ITV process
- Identify innovative ways to solve problems by sharing experiences and successes as well as what didn't work
- Provide ideas for operational improvements of your ITV operation.

You can email your tips, hints, or lessons learned to PM AIT (Jerry Rodgers) at [jerry.d.rodgers@us.army.mil](mailto:jerry.d.rodgers@us.army.mil).

## Tips from the ITV Training Ranger

To import data from an RF tag using TIPS Write 3.3.68:



1. Put the tag you want to change in the docking station. You can use an interrogator also.

2. Click the Read Data From Tag icon  on the tool bar.

3. Click  on the next screen.

4. Highlight the collected tag and click *READ TAG* to view the license plate data, the commodity, and the TCMD data.

Read Tag Data

Collected Tags

Enter Tag ID:

200182

Or Select From Tag List:

200182

Date/Time of Collection:

09/01/2004 17:58:29 GMT

Total Tags: 1

Collect

Tag Information

Tag ID: Container ID:

Lead TCN:

Read These Sections

Header

Commodity

TCMD

Header TCMD Commodity

Read Tag

Copy To Shipment List

Tag Docking Station: 900120018

Close

5. Click *COPY TO SHIPMENT LIST*. This will put the tag in the prepare database.

Read Tag Data

Collected Tags

Enter Tag ID:

200182

Or Select From Tag List:

200182

Date/Time of Collection:

09/01/2004 17:58:29 GMT

Total Tags: 1

Collect

Tag Information

Tag ID: 200182 Container ID: 12345

Lead TCN: WXCTAA89899888999

Header | TCMD | Commodity

S ITM0010 TCMD0001  
CONTAINER 12345  
LEAD TCN  
WXCTAA89899888999  
POE-1J1 POD-2AD  
CONSIGNEE BAHSYU  
TPI HAZMAT J  
FROM WXCTAA  
CARRIER ARMY  
SHIPPED 888  
PIECES 0001  
WGT 00012 CUBE 0001  
THIS IS A TEST OF THE AMERICAN BROADCAST SYSTEM. 01.01

Read These Sections:

Header  
 Commodity  
 TCMD

Copy To Shipment List

Read Tag

Tag Docking Station: 900120018

Close

6. Change, rewrite, and upload the data to the ITV server.

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## PM AIT Web Site Redesigned

The PM AIT Web site (<http://www.eis.army.mil/AIT>) is under going a significant change. Both content and functionality are being enhanced, including the removal of the flash screen, a redesign of the home page, the addition of a prominent RF-ITV section, and expansion of the navigation buttons. After this is completed, each PM AIT department will review the site on a monthly basis to determine when appropriate updates are needed. Special thanks go to Lana Spalding and Nadine Graham for coordinating these changes and posting new materials on the site.

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## Useful ITV Related Web Sites

Logtool.net has compiled a myriad of joint and service unique links you may find useful to locate NSN, NIINs, DODAACs or other information:

[http://logtool.net/html/02USA\\_1identify.php](http://logtool.net/html/02USA_1identify.php)

*Commander's Guide To Strategic Deployment*, US Army Transportation School, 7 June 2001, <http://www.transchool.eustis.army.mil/CDR/Default.htm>

*FM 3-35.4 Deployment Fort-To-Port*, DA, 18 June 2002, [https://akocomm.us.army.mil/usapa/doctrine/DR\\_pubs/dr\\_aa/pdf/fm3\\_35x4.pdf](https://akocomm.us.army.mil/usapa/doctrine/DR_pubs/dr_aa/pdf/fm3_35x4.pdf)

*FM 4-01.011 Unit Movement Operation*, DA, 31 October 2002, [https://akocomm.us.army.mil/usapa/doctrine/DR\\_pubs/dr\\_aa/pdf/fm4\\_01x011.pdf](https://akocomm.us.army.mil/usapa/doctrine/DR_pubs/dr_aa/pdf/fm4_01x011.pdf)

*FM 4-01.30 Movement Control*, DA, 1 September 2003, [https://akocomm.us.army.mil/usapa/doctrine/DR\\_pubs/dr\\_aa/pdf/fm4\\_01x30.pdf](https://akocomm.us.army.mil/usapa/doctrine/DR_pubs/dr_aa/pdf/fm4_01x30.pdf)

*UMO Deployment Handbook*, US Army Transportation School, <http://www.transchool.eustis.army.mil/UMOD/Guide/index.html>

*Guide To Automatic Identification Technology (AIT) Use In Force Projection Operations*, Deployment Process Modernization Office, 23 August 2000, [https://fpic.eustis.army.mil/documentation/dpmo\\_guide\\_to\\_ait.pdf](https://fpic.eustis.army.mil/documentation/dpmo_guide_to_ait.pdf)

*Force Projection/Exercise Automatic Identification Technology (AIT) Evaluation Guide*, Deployment Process Modernization Office, 17 July 2000, [https://fpic.eustis.army.mil/documentation/dpmo\\_ait\\_eval\\_guide.pdf](https://fpic.eustis.army.mil/documentation/dpmo_ait_eval_guide.pdf)

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## RFID Training Materials

To familiarize yourself with an overview of the AIT/RFID operations or the ITV server, you can visit the following guidebooks on-line at:

<http://www.cascom.army.mil/Automation/ITV/guidebooks/index.htm>

The *ITV Server Guide 2004* provides information that will help you understand and use the components of the ITV servers. This guide also provides other helpful information to unit leaders to maintain visibility of their in-transit shipments and equipment. The *AIT/RFID Operations Guide 2004* provides information on RFID hardware, deployment, and sustainment RF-tag writing, reading, uploading, and MSL placement.

For a more in-depth "how to" process, visit the *TIPS Write and Read Operations Tutorial* on the ITV server at:

<https://highland.rfitv.army.mil/TT/>

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## Newsletter Now On-line

Do you know someone who would like a copy of the PM AIT ITV Operations and Training Newsletter? Have you missed an issue of the newsletter? The latest issue and back issues are now available on-line. To view the PM AIT ITV Operations and Training Newsletter on-line go to:

<http://www.eis.army.mil/AIT/>

If you would like to be added to distribution list to receive the newsletter via email, send your request Jerry Rodgers at [jerry.d.rodgers@us.army.mil](mailto:jerry.d.rodgers@us.army.mil).

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## ITV Server User ID/Password

Users of the CONUS and USFK ITV servers can now log-on using either their AKO credentials, Common Access Card (CAC), or ITV User ID/Password. USAREUR and CENTCOM servers will be updated in the future to also allow users to log-on using their AKO and CAC credentials.

If you already have your User ID and Password, you may visit any of the ITV servers at:

CONUS: <https://highland.rfitv.army.mil>

USAREUR: <https://itv.aelog.army.mil>

Korea: <https://usfkitv.korea.army.mil>

CENTCOM: <https://cenitv1.arifjan.arcent.army.mil>

Training: <https://trainer.rfitv.army.mil>

## NSNs at Your Fingertips

<u>ITEM</u>	<u>NSN</u>
410 tag	6350-01-495-3040
412 tag	6350-01-495-4841
magnetic mounting bracket for 410 tag	5340-01-495-3007
battery for 410/412 tags (current price \$3.08)	6135-01-301-8776
cable ties for RF tags	5975-00-899-4606
Lacing wire	9505-00-640-4290

## WANTED...RFID tags

For more information on the DoD RFID tag return guidance and addresses, you can go to the DoD Logistics AIT Office Web site at:

[http://www.dodait.com/refdoc/RF\\_TAG\\_RETURN\\_ADDRESS.pdf](http://www.dodait.com/refdoc/RF_TAG_RETURN_ADDRESS.pdf)

OR

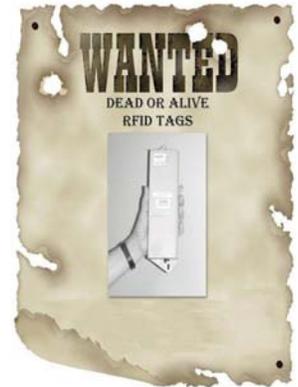
[http://www.dodait.com/refdoc/RF\\_TAG\\_RETURN\\_ADDRESS.doc](http://www.dodait.com/refdoc/RF_TAG_RETURN_ADDRESS.doc)

In the Iraqi Zone (IZ), return all RFID tags to:  
RF TAGS for RETROGRADE  
TDC, KUWAIT

The POC is LTC Johnson, DSN 318-438-8246

Suggestions:

- Set up a tag collection point.
- Once the shipment has reached its designation, **invert the battery before you place it in collection box**. This will deactivate the tag so it will not continue to be read and uploaded to the ITV server.
- Send the magnetic mounts back too.



If this report has been forwarded to you and you would like to be added to the distribution list, please send your request via email to PM AIT (Jerry Rodgers) at [jerry.d.rodgers@us.army.mil](mailto:jerry.d.rodgers@us.army.mil).