



U.S. ARMY TMDE SUPPORT COORDINATOR TRAINING

This training presentation is updated annually during the month of October.

1 October 2015

Excerpt from AR 750-43 “Maintenance of Supplies and Equipment - Army Test, Measurement, and Diagnostic Equipment”:

6–4. Support coordinator

Each command, installation, and unit that uses TMDE will designate a TMDE C&RS coordinator in writing. The coordinator will act as the central point of contact for TMDE C&RS matters. The TMDE coordinator will be responsible and have authority for monitoring the command, installation, or unit TMDE management program. This program will be consistent with this regulation and AR 750–1. Should conflict between this regulation and AR 750–1 arise regarding TMDE C&RS, this regulation takes precedence.

The objectives of this training is to introduce and provide you with the necessary information to assist in performing your duties as a TMDE Support Coordinator.

Why Calibrate?

As components age and equipment undergoes changes in temperature or sustains mechanical stress, critical performance gradually degrades.

This is called "Drift".

When this happens, your test results become unreliable and quality suffers.

While drift cannot be eliminated, it can be detected and contained through the process of calibration.

What is Calibration?

Calibration is simply the comparison of instrument performance to a standard of known accuracy.

Instruments are chosen for an application based on their ability to make measurements with an appropriate level of accuracy - the accuracy capability of an instrument is defined in its "Specifications".

A specification is a numerical value, or range of values, that bounds the performance of a product parameter.

Calibration is the process of regularly verifying an instrument's performance to determine whether it is still within those specifications and hence still suitable for the task.

Traceability

The objective of the Army's TMDE program is to ensure accurate and serviceable TMDE is available for Army use with measurement accuracies traceable to the National Institute of Standards and Technology (NIST).

The integrity of the Army's TMDE program is based on a hierarchy of traceable calibration accuracies.

The accuracy of a calibration can be traced from the owner's item of TMDE to the standards used by the Local TMDE Support Team with subsequent traceability of supporting standards through Army Calibration Laboratories to the NIST.

Calibration Intervals

Calibrations need to be done on a planned, periodic basis based on the required calibration interval.

This interval relates to the amount of time between each calibration event for a particular piece of TMDE where degradation of assigned specifications, known as drift, would be at an acceptable amount.

Since the performance of everything on Earth degrades with time, or use (or potential abuse) the expected accuracy must relate to a given period, and again we call this period the calibration interval.

Verifying Equipment

There are normal day to day operations that an operator will perform to verify that their equipment is operating under normal conditions.

While these operations are necessary, they do not meet the requirements in place to ensure the specifications of the test equipment are being maintained.

Operator Checks

An operator's check performs a basic functional test of a product, uses minimal accessory test equipment and is run on a regular basis by the end-user of the product.

Its purpose is to detect broken instruments - it does not verify performance to specifications so it is no substitute to calibration.

An operator's check may be internal to a product (such as a Self-Test). The procedure is executed by the product and may not require any external equipment or standards.

Operational Verification

Operational verification tests are performed by the operator and are used to verify instrument operation quickly with reasonable confidence.

The test involves utilizing other test equipment in your possession to check out test equipment that you might suspect as having a problem or simply performing your own internal quality assurance.

These tests will most likely be found in the technical manuals for operator maintenance.

Remember, operation verification procedures still do not verify that a product meets all specifications.

Calibration Procedures

Calibration procedures verify that products or systems operate within the specifications intended.

Calibration refers to the process of measuring parameters and referencing the measurement to a calibration standard, rather than the process of adjusting products for optimum performance.

Calibration procedures include both performance tests and system verification procedures, are traceable to national standards, and specify adequate calibration standards.

Calibration procedures verify products meet the specifications by comparing measured parameters against a pass-fail limit which is the specification less any acceptable uncertainties.



Duties and Responsibilities

Unit TMDE Coordinator

Someone at the local unit level has to monitor and control Test, Measurement, and Diagnostic Equipment (TMDE) that requires calibration or repair.

That person is the TMDE Support Coordinator.

The TMDE Support Coordinator will identify the TMDE that requires calibration or repair, prepare all required documentation, turn in and pick up equipment, and keep the TMDE Support Activity (TSA) aware of any changes in TMDE status.

The TMDE Support Coordinator is the direct link to the TMDE Support Activity.

The TMDE Support Activity

The acronym “TSA” is a generic term used throughout this training to identify TMDE support organizations providing calibration and repair support.

Get acquainted

One of the first things that the TMDE Support Coordinator should do is visit the local TMDE Support Activity, (TSA).

The TSA should have a Standing Operating Procedure (SOP) to help you understand your duties and responsibilities as the TMDE Support Coordinator.

Alternates

Some organizations may be required to appoint an alternate(s) TMDE Support Coordinator to assist in performing the mission.

Your local TSA will be your POC for this information.

Duties

The TMDE Support Coordinator is the direct link between the unit and the calibration facility. As the single control point, the TMDE Support Coordinator ensures what calibration and repair needs are necessary and then abides by the schedules and procedures for obtaining the required support.

A knowledgeable TMDE Support Coordinator makes a smooth running, efficient, and dependable support program.

Duties

- Serving as the central point of contact concerning TMDE calibration and repair.
- Develop and implement SOP(s) for identification, and control of TMDE requiring calibration and repair.
- Ensuring compliance with appropriate Department of the Army regulations and SOPs.
- Review the Instrument Master Record File (IMRF) to ensure that all TMDE are correctly listed and notify the TSA of any changes.
- Monitor the Projected List to make certain that TMDE is submitted in accordance with the published schedule.

Duties

- Ensures that all organizational maintenance has been performed on TMDE, and when necessary, submit the required accessories and manuals.
- Ensuring that TMDE not listed in TB 43-180 has a completed DA Form 3758 submitted with the item.
- Maintain a record of all items in storage and place DA Label 80 with an over- stamped CBU on the items, (this will be discussed later). Notify the TSA in writing of the items placed in storage.
- Reviews IMRF, labels, and forms to ensure they are properly annotated and only DA approved UIC's are being used.
- Monitor the Delinquent List to determine what TMDE was not submitted as scheduled and initiate action to obtain calibration services.

Forms and Labels

As the TMDE Support Coordinator you will need to become familiar with several DA Labels and Forms.

NOTICE OF DELEGATION OF AUTHORITY - RECEIPT FOR SUPPLIES					DATE
<small>For use of this form, see DA PAM 710-2-1. The procuring agency is DCS, G-4.</small>					
ORGANIZATION RECEIVING SUPPLIES			AUTHORIZED REPRESENTATIVE(S)		
LOCATION			SIGNATURE AND INITIALS		
LAST NAME-FIRST NAME-MIDDLE INITIAL		AUTHORITY	REQ	REC	
AUTHORIZATION BY RESPONSIBLE SUPPLY OFFICER OR ACCOUNTABLE OFFICER					
THE UNDERSIGNED HEREBY <input type="checkbox"/> DELEGATES TO <input type="checkbox"/> WITHDRAWS FROM THE PERSON(S) LISTED ABOVE.					
THE AUTHORITY TO:					
REMARKS					
I ASSUME FULL RESPONSIBILITY					
UNIT IDENTIFICATION CODE			DODAAC/ACCOUNT NUMBER		
LAST NAME-FIRST NAME-MIDDLE INITIAL	GRADE	TELEPHONE NUMBER	EXPIRATION DATE	SIGNATURE	

DA FORM 1687, MAY 2009 PREVIOUS EDITIONS ARE OBSOLETE APO PE v1.0003

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR	2. CALBR
3. CALBR VOID	4. NAME/REPORT NO.
5. IDENTIFICATION NO	6. OWNER
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

US ARMY LIMITED OR SPECIAL CALIBRATION (TM 38-750)	
1. DATE CALBR	2. CALBR BY
3. CALBR VOID	4. NAME/REPORT NO
5. IDENTIFICATION NO	6. OWNER
7. LIMITED CALBR - DO NOT USE SPECIAL CALBR - CORRECTIONS ARE:	
8. PARAMETER/VALUE	9. TOLERANCE/ UNCERTAIN
8. AUTHENTICATION	
DA LABEL 143, 1 DEC 77	

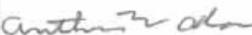
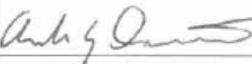
DA Form 1687

Notice of Delegation of Authority - Receipt for Supplies,
(also known as the Signature Card)

The TMDE Support Activity SOP should be able to help you fill out the DA Form 1687 prior to turning in equipment.

Department of the Army Memorandum for Clarification to the DA Form 1687 signatory requirements dated 08 Sept 2014 requires both hand written and digital signatures (no initials are required) for the identified authorized representatives.

DA Form 1687

NOTICE OF DELEGATION OF AUTHORITY - RECEIPT FOR SUPPLIES <i>For use of this form, see DA PAM 710-2-1. The proponent agency is DCS, G-4.</i>					DATE	
					22 September 2014	
AUTHORIZED REPRESENTATIVE(S)						
ORGANIZATION RECEIVING SUPPLIES TMDE Support Center-Redstone			LOCATION Redstone Arsenal, Alabama			
LAST NAME-FIRST NAME-MIDDLE INITIAL	AUTHORITY		SIGNATURE AND INITIALS			
	REQ	REC				
ODOM, ANTHONY W.	YES	YES	 ODOM, ANTHONY W.			
DOUCETTE, ANDREW J.	YES	YES	 DOUCETTE, ANDREW JAMES			
-----NOT USED-----	----	----	-----			
<p style="text-align: center;">AUTHORIZATION BY RESPONSIBLE SUPPLY OFFICER OR ACCOUNTABLE OFFICER</p> <p>THE UNDERSIGNED HEREBY <input checked="" type="checkbox"/> DELEGATES TO <input type="checkbox"/> WITHDRAWS FROM THE PERSON(S) LISTED ABOVE.</p> <p>THE AUTHORITY TO: Turn-in and receive items for Calibration and Repair Support to the TSA with a PD as necessary. (02-13)</p>						
REMARKS						
I ASSUME FULL RESPONSIBILITY						
UNIT IDENTIFICATION CODE W1PLXX			DODAAC/ACCOUNT NUMBER W3321K/A35B21CC			
LAST NAME-FIRST NAME-MIDDLE INITIAL	GRADE	TELEPHONE NUMBER	EXPIRATION DATE	SIGNATURE		
ETHERIDGE, JERRY	GS-12	842-8907	21 Sept 2016	 ETHERIDGE, JERRY.		

DA Form 3758

DA Form 3758-R, Calibration and Repair Requirements Worksheet, will be submitted by TMDE owners when their TMDE is not listed in TB 43-180.

Instructions for preparation are listed in TB 750-25 and assistance will be provided by the TSA's personnel at your request.

DA Form 3758

CALIBRATION AND REPAIR REQUIREMENTS WORKSHEET For use this form, use TE 750-25 the proponent agency is USAMC		1. LOCAL CONTROL NO.	2. USATA CONTROL NO.
3. TO Commander U S Army Aviation & Missile Command ATTN: AMSMI-TMDE-EP Redstone Arsenal, AL 35898-5400		4. FROM (include ZIP Code)	
5. INFO		6. POC	
		7. TELEPHONE	
SECTION A - INSTRUMENT IDENTIFICATION - APPLICATION			
8. JETDS DESIGNATOR OR MFGR AND MODEL NO	9. NATIONAL STOCK NO./PART NO.	10. LINE ITEM NO.	
11. NOMENCLATURE	12a. MILITARY PUBLICATION	12b. DATE	
13a. COMMERCIAL PUBLICATION	13b. DATE	14. SYSTEM/ITEM SUPPORTED	
15. TMDE TYPE <input type="checkbox"/> GP <input type="checkbox"/> SP	16. INSTRUMENT SPECIFICATIONS		17. QUANTITY FIELDDED (By Theater) <input type="checkbox"/> a. CONUS <input type="checkbox"/> b. EUROPE <input type="checkbox"/> c. FAR EAST <input type="checkbox"/> d. U S ARMY SOUTH
	a. PARAMETER		
	b. RANGE		
		c. ACCURACY	
SECTION B CALIBRATION SUPPORT CAPABILITY			
18a. CALIBRATION CAPABILITY IS ON HAND AND CALIBRATION IS BEING ACCOMPLISHED EVERY _____ DAYS USING CALIBRATION PROCEDURE:		<input type="checkbox"/> c. CALIBRATION CAPABILITY IS NOT ON HAND. <input type="checkbox"/> d. INSTRUMENT IS NOT BEING CALIBRATED. <input type="checkbox"/> e. INSTRUMENT IS BEING CALIBRATED EVERY _____ DAYS.	
b. BY		f. BY:	
19a. TYPE NAME AND GRADE OR TITLE		b. TELEPHONE	
c. SIGNATURE		d. DATE	

DA Form 7372

DA Form 7372, TMDE Calibration and Repair Data, is completed and compiled by your local TSA's production control, but it is necessary for TMDE Support Coordinators to have a working understanding of the entries and what they mean.

TMDE CALIBRATION AND REPAIR DATA For use of this form see TB 750-25; the proponent agency is USAMC				1. JOB ORDER NUMBER	2. PRIORITY	3. IDENTIFICATION CODE	
4. TECHNICAL BULLETIN		5. TECHNICAL MANUAL			6. SCHEDULE UIC		7. OWNER UIC
8. SERIAL NUMBER		9. MODEL NUMBER			10. MFG CODE 12		
11. NATIONAL STOCK NUMBER		12. DUE DATE	13. INT	14. SYSTEM CODE	15. NOMENCLATURE		
16. WORK CENTER TEAM	17. LEVEL	18. ACTION DATE	19. PERFORMING UIC		20. TYPE STANDARD <input type="checkbox"/> PHYS <input type="checkbox"/> IR <input type="checkbox"/> MW <input type="checkbox"/> ELEC <input type="checkbox"/> RAD		
21. EQUIP READINESS CODE	22. UPDATE <input type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE		23. REPORT CODE		24. CHANGE DATA TS		
25. DEFICIENCIES/SYMPTOMS							

26. ST

Here are the entries that are the most important to you as the TMDE Support Coordinator:

Block 3 - Identification Code which is the Bar Code. This Identification Code has a unique number. There are no two matching Identification Codes, unlike serial numbers, which may have matching numbers.

34. PA

Block 7 - Owner UIC. Do not use your DODAAC. Be sure the Owner UIC is entered correctly. You may be responsible for more than one UIC, for example a battalion coordinator.

Block 8 - Serial Number . If an item has two serial numbers, use the joint electronics type designator system (JETDS) serial number. Otherwise, use manufacture serial number. Enter serial number exactly as shown on the data plate, including leading zeros, slashes, dashes, etc. The serial number can be up to 30 characters in length.

35a. S

Block 9 - Model Number . List the item as found in TB43-180. Use JETDS number whenever possible. For non-JETDS items, use the manufacture model number.

36a. R

37a. A

DA FC

Block 15 - Nomenclature . Use nomenclature as found in TB 43-180. If the item is not listed in TB 43-180, enter nomenclature IAW the abbreviations as listed.

*** These blocks will make it easier for you to identify and to ensure that the TMDE does belong to your unit.**

DA Form 7372

The DA Form 7372 will travel with the TMDE as it is calibrated at the TSA.

Upon completion of the calibration a copy of the completed 7372 will be returned to you with the calibrated instrument.

This copy serves as a final receipt of equipment and a record of support provided.

Another copy remains with the TSA and serves as a record of services provided to you.

Condition Coding

After starting your duties as TMDE Support Coordinator, you will more than likely make an inventory of the TMDE assigned to your unit.

Occasions will arise where you will have to turn in excess equipment, obsolete equipment, or damaged equipment to the appropriate sources for disposition and further have it removed from the hand receipt.

Prior to this, you will have to have the equipment "Condition Coded" at your local TSA.

Condition Coding

The TSA will place a stamp on the equipment paperwork attesting to the serviceability, condition, and readiness for issue of the equipment.

This is a requirement for all turn-in of TMDE. The local TSA will again assist you in this duty in explaining the program and the forms required.

DA Label 80 and 163

There are two types of DA Labels that are utilized with calibration, the DA Label 80 and DA Label 163.

One of these two should be affixed to all of the TMDE in your unit, (unless the item was condition coded out).

If not, refer to TB 43-180, TB 750-25 and your TSA for assistance.

Label 80

The DA Label 80 lets the operator know when a piece of TMDE was calibrated and when it needs to be calibrated again. It also identifies the equipment that has no restrictions or special conditions for its use. TMDE Support Coordinator should verify information on Label 80 matches information of DA Form 7372.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR This date should match the ACTION DATE (Block 18) of DA Form 7372.	2. CALBR
3. CALBR VOID This date should match the DUE DATE (Block 12) of DA Form 7372.	4. NAME/REPORT NO. Name of Technician performing calibration or Test Report Number. If there is a test report it should be with the TMDE.
5. IDENTIFICATION NO Verify that this Serial Number matches the SERIAL NUMBER (Block 8) of DA Form 7372.	6. OWNER Verify this is your Unit Identification Code (UIC) and matches the OWNER UIC (Block 7) of DA Form 7372.
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

DA Label 163

The DA Label 163 is used for Limited and Special Calibration.

Limited calibration indicates that some ranges or parameter could not be calibrated.

(SPECIAL CALIBR should be lined out)

Special Calibration is not normally used.
(LIMITED CALBR will be lined through).

A special calibration may be used when you require tighter tolerances than what the equipment is normally calibrated at.

Support Coordinator should verify the information on Label 163 matches the information on DA Form 7372.

Owner or Designated
Representative
Signs Here



US ARMY LIMITED OR SPECIAL CALIBRATION (TB 750-25)	
1. DATE CALBR 15 Mar 2009	2. CALBR BY WB4002
3. CALBR VOID 5 Mar 2011	4. NAME/REPORT NO GMD
5. IDENTIFICATION NO ABC-1312	6. OWNER WDKAE0
7. LIMITED CALBR - DO NOT USE [REDACTED]	
a. PARAMETER/VALUE Pulse Modulation	b. TOLERANCE/ UNCERTAIN NOT CALBR
8. AUTHENTICATION <i>Cynthia Inortimor</i>	
DA LABEL 163, 1 DEC 77	



DA Label 80 Special Markings

- VOID -

Calibration of an instrument may become doubtful for many reasons.

To avoid the use of an instrument of uncertain accuracy or when the calibration date exceeds the void date, the DA Label 80 or 163 shall be printed or over-stamped with the word "VOID".

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 15 July 1998	2. CALBR WV 8114
3. CALBR VOID 10 July 2000	4. NAME REPORT NO. Q Calibrator
5. IDENTIFICATION 89T5649	6. NUMBER WV4A09
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- CNR -

CNR (Calibration Not Required) overprinting is required for an instrument that does not require calibration because of its use, but still supported by the TSA.

Refer to TB 43-180 for items designated as CNR.

The CNR overprinted DA Label 80 can be obtained from the TSA. The overprinted DA Label 80 will be filled out by the TMDE Support Coordinator or designated alternate.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 15	2. CALBR
3. CALBR VOID	4. NAME PROPERTY
5. IDENTIFICATION NO. 123456ABCDEF	6. OWNER Davenport
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- CNR -

Enter the date in block 1.

The label will be signed by the TMDE Support Coordinator in block 4.

Enter the instrument serial number in block 5.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 15	2. CALBR
3. CALBR VOID	4. NAME PROPERTY Davenport
5. IDENTIFICATION NO. 123456ABC-2473	6. OWNER
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- CNR -

NOTE !

Identifying an instrument as CNR does not relieve the owner or user of its organizational maintenance responsibility or from obtaining repair support when the TMDE is determined to be unserviceable.

CNR items will still require preventive maintenance when scheduled.

- CBU -

When TMDE is held in storage, it will require a "CBU" (Calibrate Before Use) overprint stamp. The item must not be used until it is recalibrated and a valid DA Label 80 is attached.

The overprinted DA Label 80 will be filled out by the TMDE Support Coordinator or designated alternate.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 16 Mar 2006	2. CALBR
3. CALBR VOID	NAME REPORT <i>Support</i>
5. IDENTIFICATION NO 19182-U41	6. OVI
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- CBU -

Again, enter the date in block 1.

The label will be signed by the TMDE Support Coordinator in block 4.

Enter the instrument serial number in block 5.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 16 Mar 2006	2. CALBR
3. CALBR VOID	NAME REPORT <i>Denport</i>
5. IDENTIFICATION NO 19182-U41	6. OVI
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- Administrative Storage -

Administrative storage of TMDE is the placement of instruments in a limited care and preservation status for periods of time.

Instruments that are placed in administrative storage do not require periodic calibration IAW calibration intervals specified in TB 43-180.

All calibration records and labels must properly reflect the change in status.

There is a requirement to conduct a review of the circumstances that require the use of administrative storage IAW AR 750-1.

- Administrative Storage -

NOTE!

All items must be fully operational before being placed in administrative storage in a CBU status.

- Training -

For TMDE that is used in the school training courses that will not adversely affect training safety, training efficiency, or damage equipment, use the "TNG" (training aid) overprint.

Training aid TMDE does not receive scheduled cyclic calibration support, but calibration support may be obtained on an "as required" basis.

- Training -

The overprinted DA Label 80 will be filled out by the TMDE Support Coordinator or designated alternate.

The school commandant must approve TMDE designated as training aids.

U.S. ARMY CALIBRATED INSTRUMENT	
TB 750-25	
1. DATE CALBR 16 Mar 21	2. CALBR
3. CALBR VOID	4. MEM REPORT NO. 21 Dec 21
5. IDENTIFICATION NO 12356-121	6. OWN
DA LABEL 80 1 DEC 77	REPLACES EDITION 1 JAN 70 WHICH IS OBSOLETE

- EI -

Army Reserve and Army National Guard assigned TMDE requiring calibration at intervals less than one year may be extended to 360 days, if the TMDE is used solely during weekends and annual training periods and are identified in writing to the scheduling TSA.

This authority does not apply to aircraft, watercraft, and TMDE involved in safety of operations.

DA Label 80 affixed to TMDE with extended intervals will be overprinted with "EI".

- Army Guidance -

TB 750-25

TB 43-180

- TB 750-25 -

MAINTENANCE OF
SUPPLIES AND EQUIPMENT
ARMY TEST, MEASUREMENT, AND
DIAGNOSTIC EQUIPMENT
(TMDE)
CALIBRATION AND REPAIR SUPPORT
(C&RS)
PROGRAM

- TB 750-25 -

TB 750-25 provides guidance, procedures, and general information applicable to the Army TMDE Calibration and Repair Support program.

Specifically, this TB provides detailed information and instructions concerning the procedures and controls for ensuring accurate and traceable measurements, and prescribes required forms and records in accomplishing C&RS functions.

It also provides general instructions on how to obtain TMDE support and technical assistance.

* Acquire your copy ASAP and become familiar with it.

- TB 43-180 -

TB 43-180 lists the calibration and repair support requirements for test, measurement, and diagnostic equipment and calibration standards used in the support of equipment used by the fielded Army.

The inspection / calibration of small arms and ammunition gages (SAAG) is also contained in this bulletin.

TB 43-180

Supersedes TB 43-180, dated 1 June 2013

TECHNICAL BULLETIN

**CALIBRATION AND REPAIR
REQUIREMENTS
FOR THE**

MAINTENANCE OF ARMY MATERIEL

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- TB 43-180 -

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<https://www.logsa.army.mil>

TB 43-180 reflects the policies and procedures for calibration and repair responsibilities as set forth in AR 750-43 and TB 750-25.

This TB is applicable to all U. S. Army units, organizations, installations, activities, and commands which are responsible for the maintenance of the fielded Army equipment, schools and training centers, and Army National Guard (ARNG) and U. S. Army Reserve (USAR) units.



Instrument Master Record File (IMRF)

- TIMMS -

T (TMDE) I (Integrated) M (Material) M (Management) S (System).

The TIMMS software is an automated Calibration and Repair Support (C&RS) management system.

It is designed for the TSA to process C&RS information required to support management, control of scheduling, workloads, manpower, cost accounting, and supply.

- Types of Listings -

There are several reports that TIMMS can generate.

The three reports that you will see most often are IMRF (Instrument Master Record File), Projected Lists, and Delinquency Lists.

Your IMRF listing should contain 100% of all the TMDE in your unit.

The IMRF contains information such as serial numbers, model numbers, nomenclature, National Stock Number (NSN's), last action date, and due calibration date.

* This is one tool to help manage your TMDE.

- Maintain IMRF -

The TSA's are required to establish and maintain an IMRF.

All TMDE must be listed on the IMRF, which also includes TMDE-SP, CBU and CNR items.

The IMRF for Field/Sustainment units is maintained by the supporting TSA if the Field/Sustainment has no organic management information system capabilities.

The TMDE owner must advise the TSA of changes, additions, or deletions to the IMRF.

The DA Form 7372 will be used as the basic source document for establishing and updating records in the IMRF.

* The IMRF will be printed quarterly by the TSA.

- Projected List -

The Projected List projects what item(s) are due calibration through a selected number of days.

The list is used by the TMDE owner to plan and manage the submission of TMDE for calibration.

The TMDE Support Coordinator should coordinate with the TSA as to the exact date, time, and items for submission.

* The Projected Items List will be printed monthly.

Delinquent List

The Delinquent List indicates item(s) of TMDE not submitted for calibration within the scheduled time frame.

These items are not to be used until calibrated.

The list is a management tool used to determine the owner's compliance with the TMDE support program.

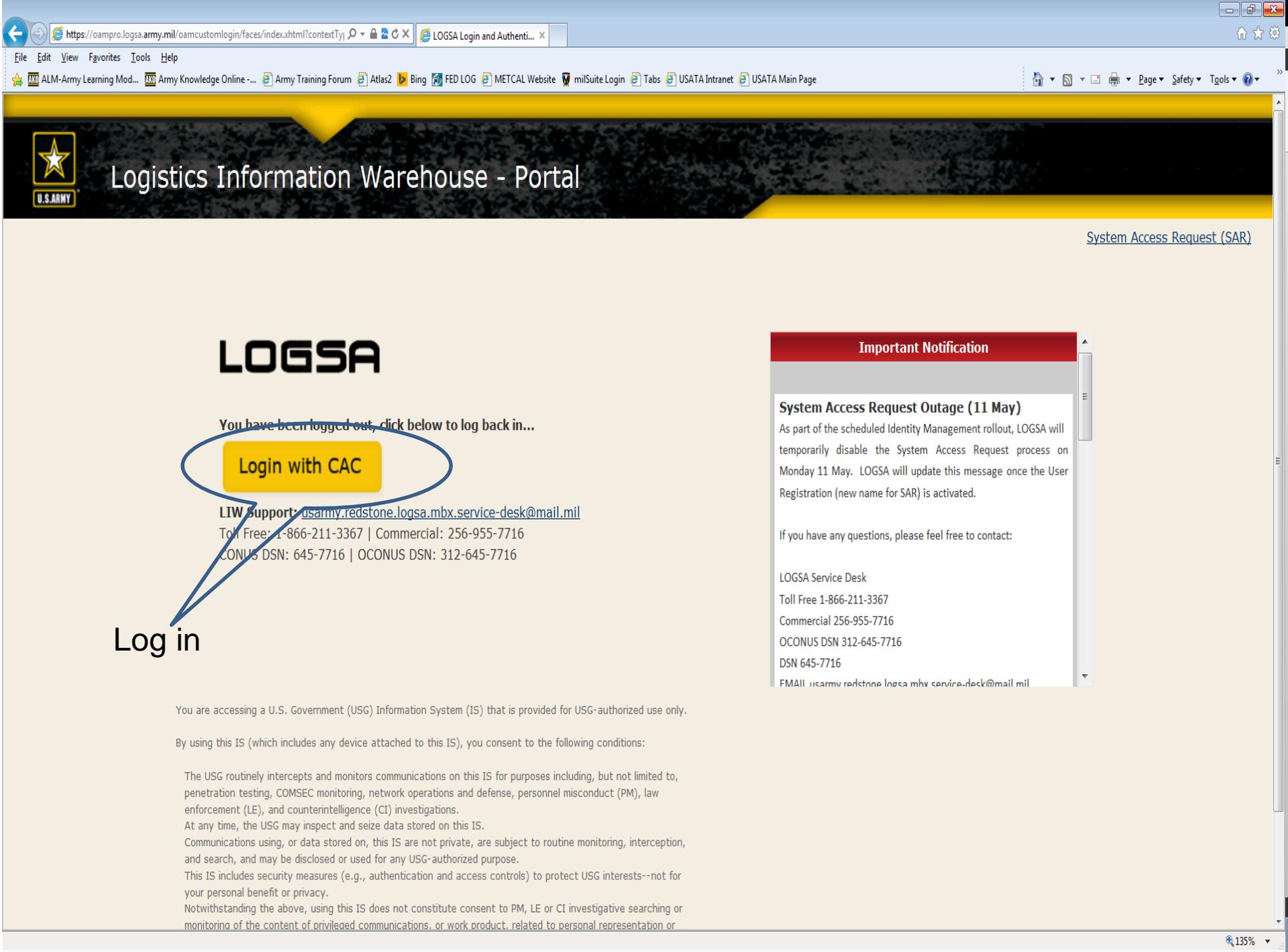
* The Delinquent List will be printed monthly.

Calibration Coordinators have access to the Master, Projected and Delinquent reports as well as the In-Shop Status Report via the Logistics Information Warehouse (LIW).

Go to this link:

<https://oampro.logsa.army.mil/oamcustomlogin/>

and follow along with the instructions in the following slides.



Logistics Information Warehouse - Portal

[System Access Request \(SAR\)](#)

LOGSA

You have been logged out, click below to log back in...

Login with CAC

LIW Support: usarmy.redstone.logsa.mbx.service-desk@mail.mil

Toll Free: 1-866-211-3367 | Commercial: 256-955-7716

CONUS DSN: 645-7716 | OCONUS DSN: 312-645-7716

Log in

Important Notification

System Access Request Outage (11 May)

As part of the scheduled Identity Management rollout, LOGSA will temporarily disable the System Access Request process on Monday 11 May. LOGSA will update this message once the User Registration (new name for SAR) is activated.

If you have any questions, please feel free to contact:

LOGSA Service Desk

Toll Free 1-866-211-3367

Commercial 256-955-7716

OCONUS DSN 312-645-7716

DSN 645-7716

FMAIL usarmy.redstone.logsa.mbx.service-desk@mail.mil

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Communications using, or data stored on, this IS are not private, are subject to routine monitoring, interception, and search, and may be disclosed or used for any USG-authorized purpose.

This IS includes security measures (e.g., authentication and access controls) to protect USG interests--not for your personal benefit or privacy.

Notwithstanding the above, using this IS does not constitute consent to PM, LE or CI investigative searching or monitoring of the content of privileged communications, or work product, related to personal representation or



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Welcome to LIW

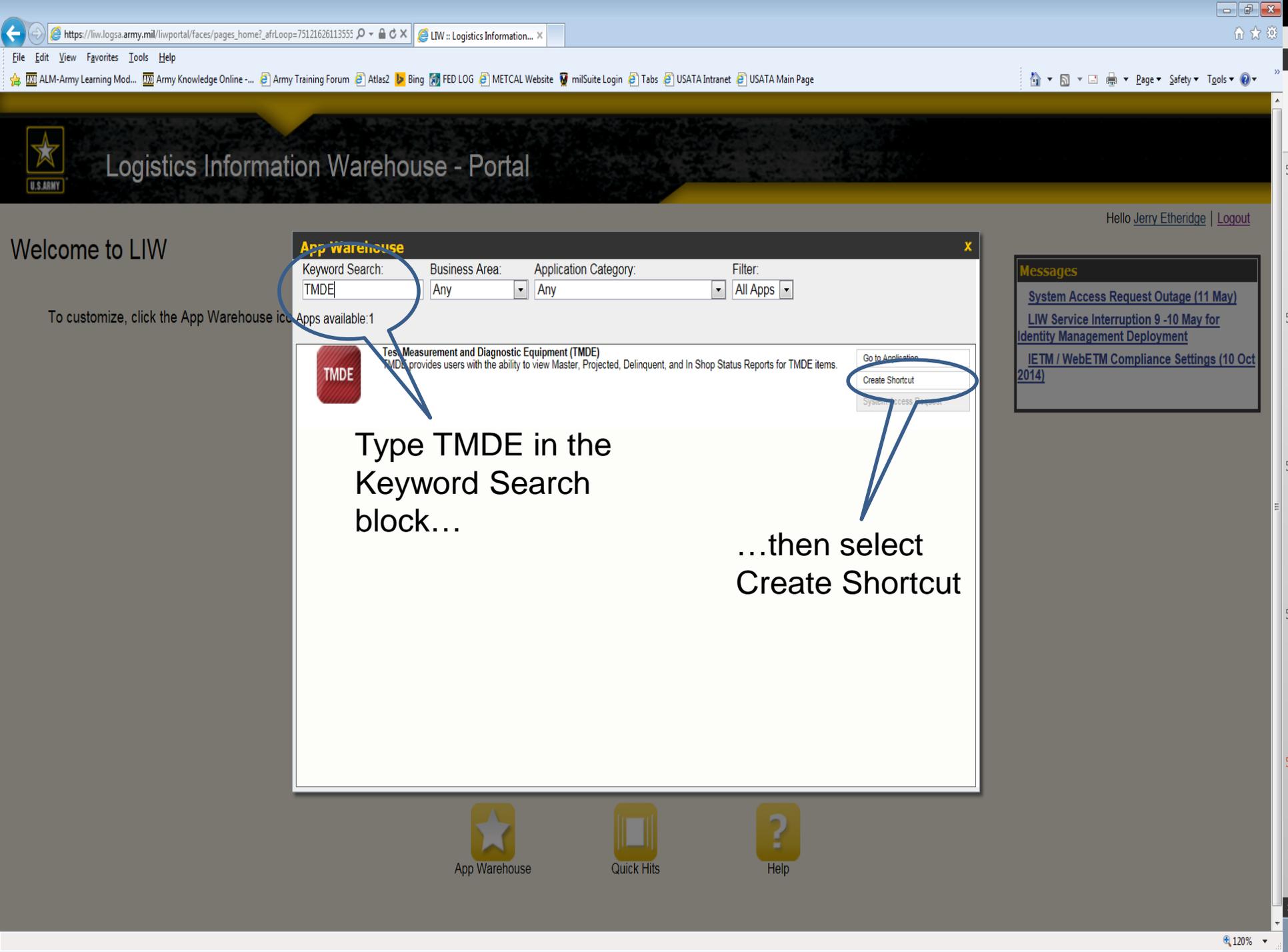
To customize, click the App Warehouse icon below

Messages

- [System Access Request Outage \(11 May\)](#)
- [LIW Service Interruption 9 -10 May for Identity Management Deployment](#)
- [IETM / WebETM Compliance Settings \(10 Oct 2014\)](#)

Select App Warehouse





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Messages

- [System Access Request Outage \(11 May\)](#)
- [LIW Service Interruption 9 -10 May for Identity Management Deployment](#)
- [IETM / WebETM Compliance Settings \(10 Oct 2014\)](#)

App Warehouse [X]

Keyword Search: Business Area: Application Category: Filter:

Apps available: 1

TMDE Test Measurement and Diagnostic Equipment (TMDE)
TMDE provides users with the ability to view Master, Projected, Delinquent, and In Shop Status Reports for TMDE items.

[Go to Application](#)
[Create Shortcut](#)
[System Access Request](#)

Type TMDE in the Keyword Search block...

...then select Create Shortcut





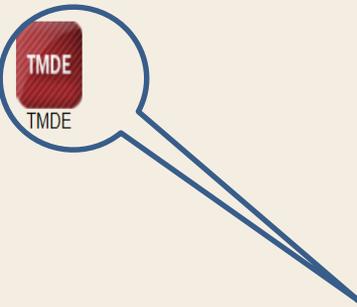
Logistics Information Warehouse - Portal

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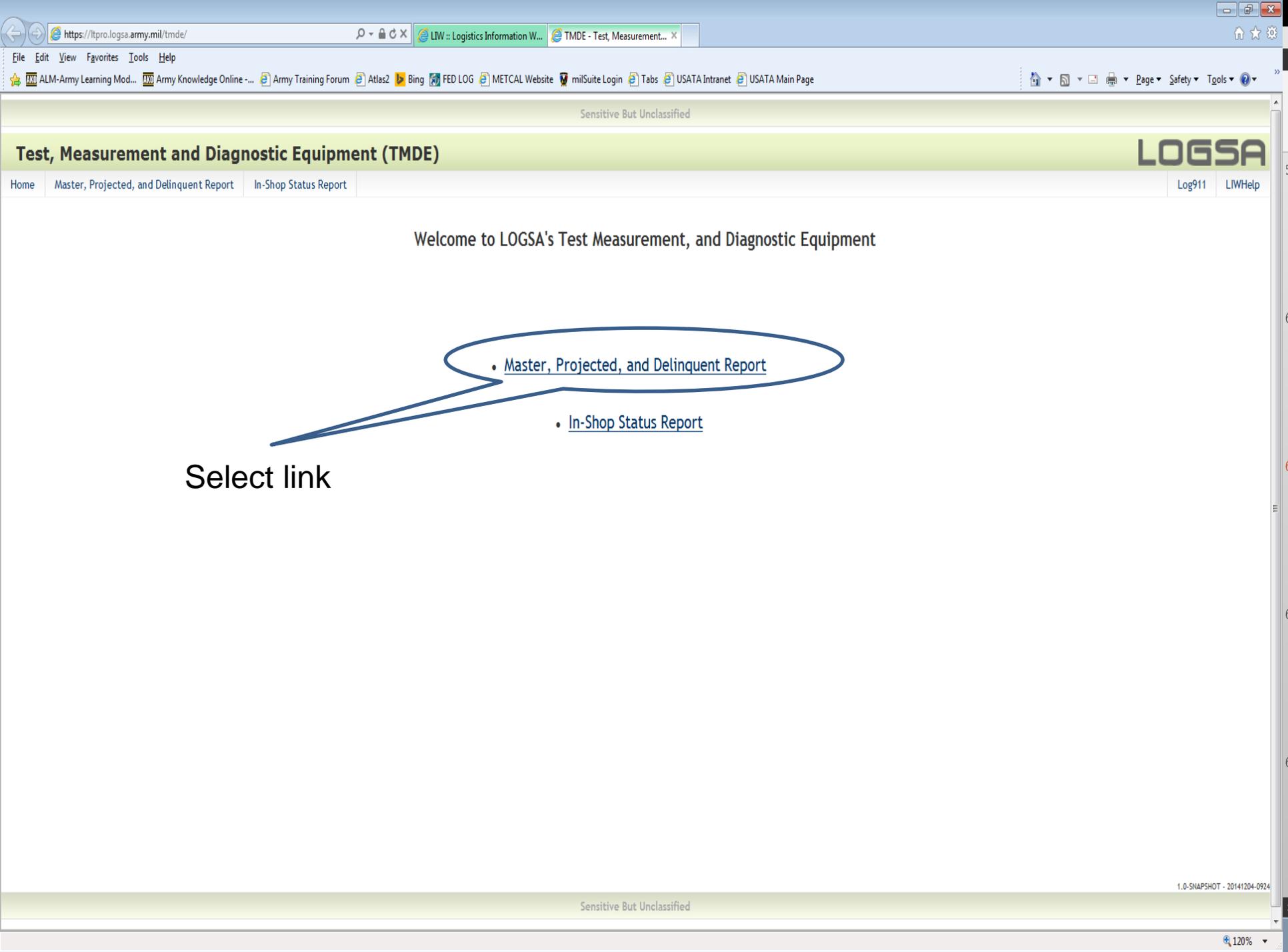
Messages

- [System Access Request Outage \(11 May\)](#)
- [LIW Service Interruption 9 -10 May for Identity Management Deployment](#)
- [IETM / WebETM Compliance Settings \(10 Oct 2014\)](#)



Select the TMDE app





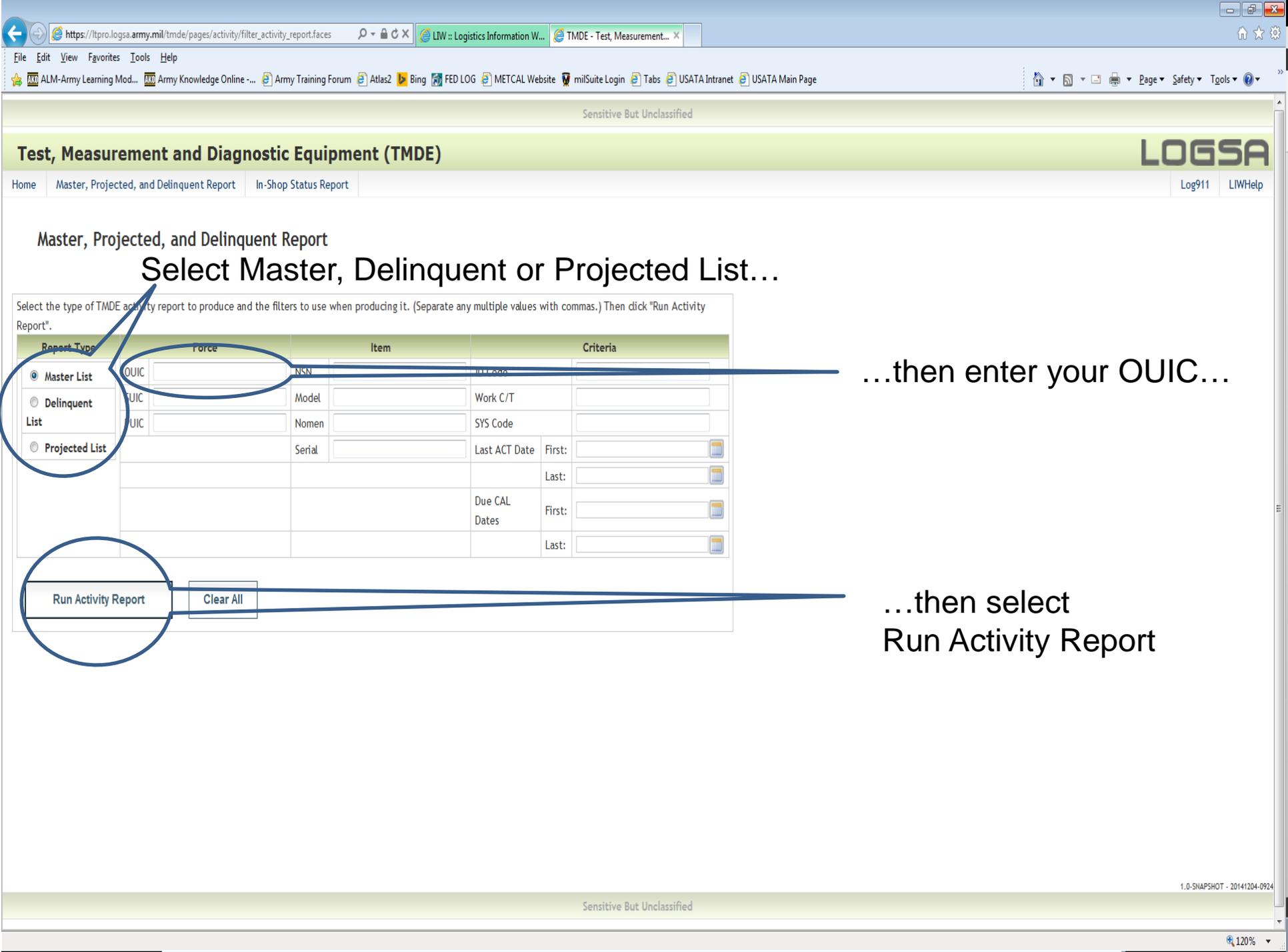
Test, Measurement and Diagnostic Equipment (TMDE)



Welcome to LOGSA's Test Measurement, and Diagnostic Equipment

- [Master, Projected, and Delinquent Report](#)
- [In-Shop Status Report](#)

Select link



Test, Measurement and Diagnostic Equipment (TMDE)

LOGSA

Home Master, Projected, and Delinquent Report In-Shop Status Report

Log911 LIWHelp

Master, Projected, and Delinquent Report

Select Master, Delinquent or Projected List...

Select the type of TMDE activity report to produce and the filters to use when producing it. (Separate any multiple values with commas.) Then click "Run Activity Report".

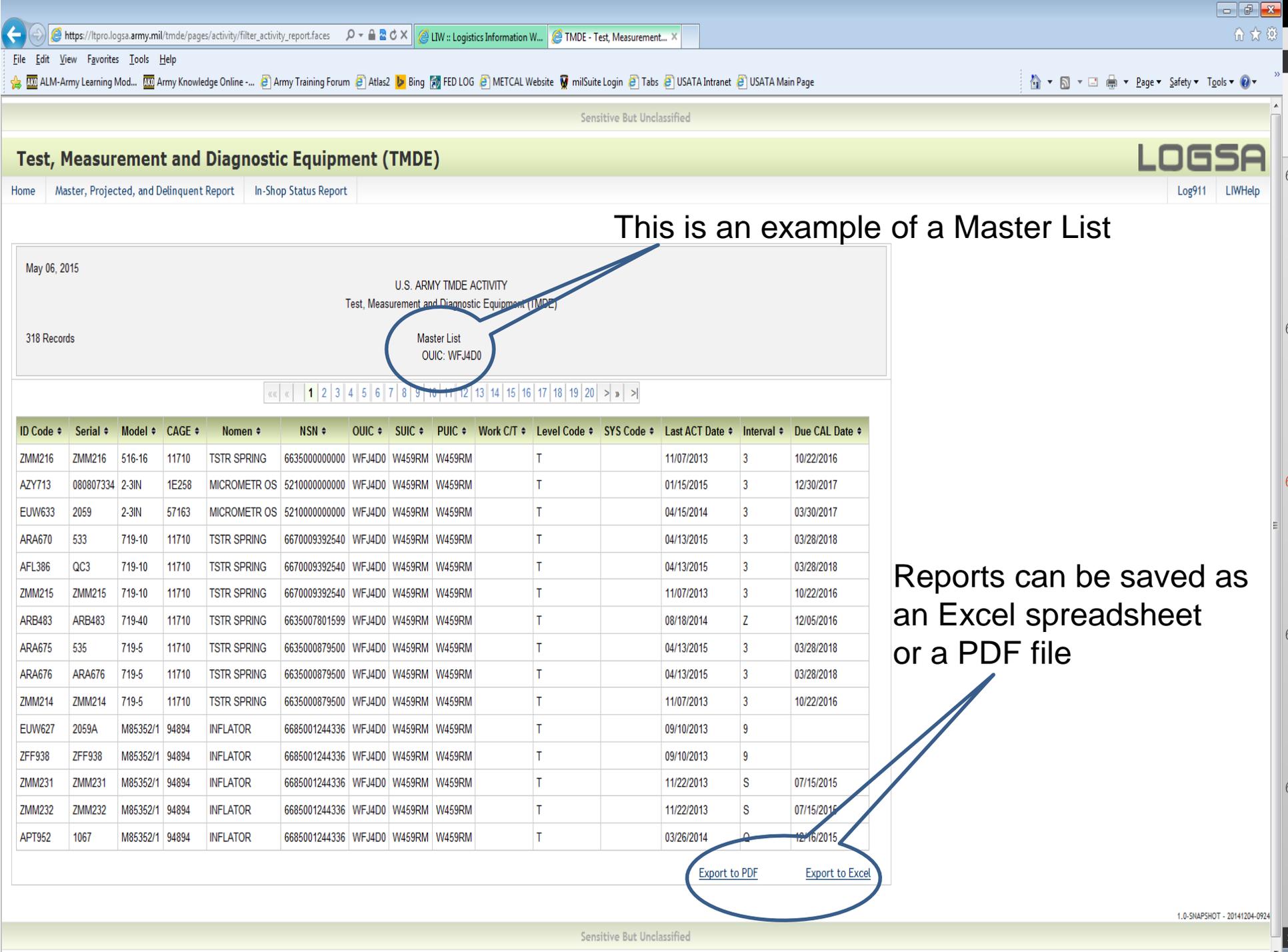
Report Type	Force	Item	Criteria
<input checked="" type="radio"/> Master List	OUIIC	NSN	Work C/T
<input type="radio"/> Delinquent List	OUIIC	Model	SYS Code
<input type="radio"/> Projected List	OUIIC	Nomen	Last ACT Date
		Serial	First: [Calendar]
			Last: [Calendar]
			Due CAL Dates
			First: [Calendar]
			Last: [Calendar]

...then enter your OUIIC...

Run Activity Report

Clear All

...then select Run Activity Report



This is an example of a Master List

U.S. ARMY TMDE ACTIVITY
Test, Measurement and Diagnostic Equipment (TMDE)

Master List
OUC: WFJ4D0

<< < 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 > >>

ID Code	Serial	Model	CAGE	Nomen	NSN	OUC	SUIC	PUIC	Work C/T	Level Code	SYS Code	Last ACT Date	Interval	Due CAL Date
ZMM216	ZMM216	516-16	11710	TSTR SPRING	6635000000000	WFJ4D0	W459RM	W459RM		T		11/07/2013	3	10/22/2016
AZY713	080807334	2-3IN	1E258	MICROMETR OS	5210000000000	WFJ4D0	W459RM	W459RM		T		01/15/2015	3	12/30/2017
EUW633	2059	2-3IN	57163	MICROMETR OS	5210000000000	WFJ4D0	W459RM	W459RM		T		04/15/2014	3	03/30/2017
ARA670	533	719-10	11710	TSTR SPRING	6670009392540	WFJ4D0	W459RM	W459RM		T		04/13/2015	3	03/28/2018
AFL386	QC3	719-10	11710	TSTR SPRING	6670009392540	WFJ4D0	W459RM	W459RM		T		04/13/2015	3	03/28/2018
ZMM215	ZMM215	719-10	11710	TSTR SPRING	6670009392540	WFJ4D0	W459RM	W459RM		T		11/07/2013	3	10/22/2016
ARB483	ARB483	719-40	11710	TSTR SPRING	6635007801599	WFJ4D0	W459RM	W459RM		T		08/18/2014	Z	12/05/2016
ARA675	535	719-5	11710	TSTR SPRING	6635000879500	WFJ4D0	W459RM	W459RM		T		04/13/2015	3	03/28/2018
ARA676	ARA676	719-5	11710	TSTR SPRING	6635000879500	WFJ4D0	W459RM	W459RM		T		04/13/2015	3	03/28/2018
ZMM214	ZMM214	719-5	11710	TSTR SPRING	6635000879500	WFJ4D0	W459RM	W459RM		T		11/07/2013	3	10/22/2016
EUW627	2059A	M85352/1	94894	INFLATOR	6685001244336	WFJ4D0	W459RM	W459RM		T		09/10/2013	9	
ZFF938	ZFF938	M85352/1	94894	INFLATOR	6685001244336	WFJ4D0	W459RM	W459RM		T		09/10/2013	9	
ZMM231	ZMM231	M85352/1	94894	INFLATOR	6685001244336	WFJ4D0	W459RM	W459RM		T		11/22/2013	S	07/15/2015
ZMM232	ZMM232	M85352/1	94894	INFLATOR	6685001244336	WFJ4D0	W459RM	W459RM		T		11/22/2013	S	07/15/2015
APT952	1067	M85352/1	94894	INFLATOR	6685001244336	WFJ4D0	W459RM	W459RM		T		03/26/2014	Q	12/16/2015

Reports can be saved as an Excel spreadsheet or a PDF file

[Export to PDF](#) [Export to Excel](#)

IMRF Checklist

- Has all TMDE been identified to the support activity?
- Are procedures and controls established to verify the accuracy of your IMRF?
- Has the IMRF been bumped against the property book?
- Is TB 43-180 used to establish calibration requirements and intervals?
- Does the IMRF provide the correct identification, interval, due date, and date calibrated?
- Is this identified TMDE included in the Projected List?
- Does the instrument owner present information on all changes, additions, deletions, relocation, and errors to the TSA?
- Does the TMDE owner present TMDE for calibration IAW the schedule provided by the TSA?
- Are instrument users provided with a list of delinquent items that were not turned in for calibration when they were scheduled?

Conclusion

If you, the TMDE Support Coordinator, follow the guidelines offered in this training as well as the information available at your local TSA, it will be a simple matter to monitor TMDE status and it will be easier to identify and correct any discrepancies quickly and efficiently.

Confidence in your equipment is a major factor in completing your units mission.

TMDE support plays an important role in that confidence.

Certificate for Training

- For a certificate to show completion of this training, email the Training Team at U.S. Army TMDE Activity (USATA) Headquarters at Redstone Arsenal, Alabama. One will be generated and sent to you by return email. The request for certificates must be made via official military or government email account.
- E-mail: Usarmy.redstone.amcom.list.usata-training@mail.mil

