

... for a brighter future

The MIDAS Web Site: Continuing to Meet the Challenge

2007 Global Demilitarization Symposium & Exhibition

Reno, NV

May 2007

by

Steve Bormet, Craig Huber, Scott Walton, and K.C. Chun Argonne National Laboratory

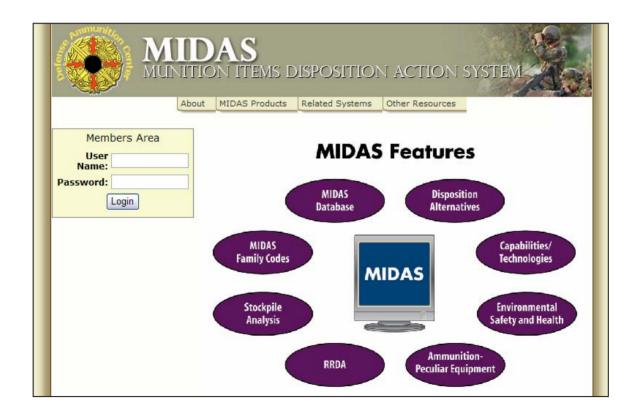


UChicago ► Argonne_{uc}

A U.S. Department of Energy laboratory managed by UChicago Argonne, LLC

Welcome to the MIDAS Web Site (http://midas.dac.army.mil)

MIDAS is an ongoing program managed by the U.S. Army Defense Ammunition Center (DAC), with software support provided by Argonne National Laboratory.



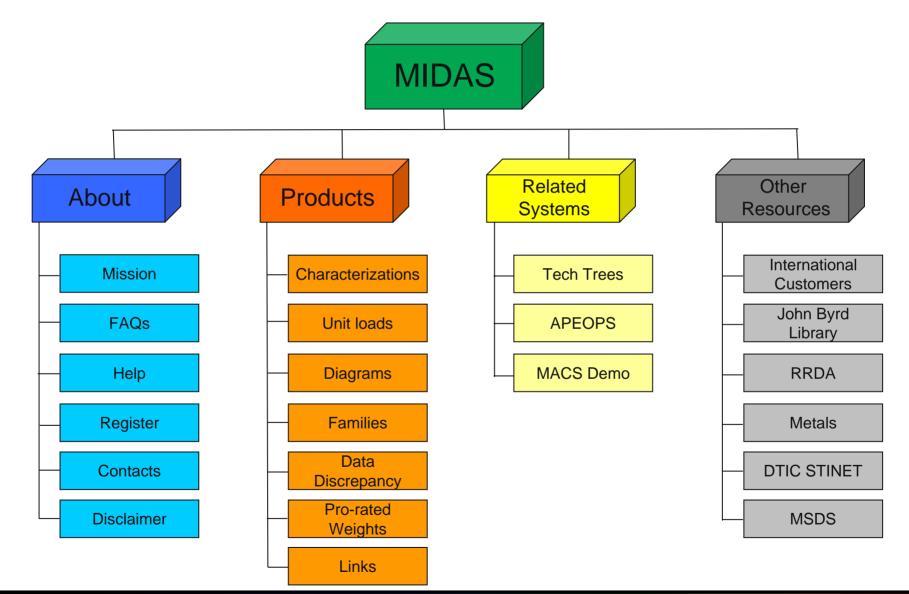


Key Information Available on the MIDAS Web Site

- Detailed structure of a munition (components, parts, materials, and compounds)
- Usage of specific compounds, materials, parts, or components
- Total weight of each compound in a munition
- Wide range of output reports
- Links to related systems

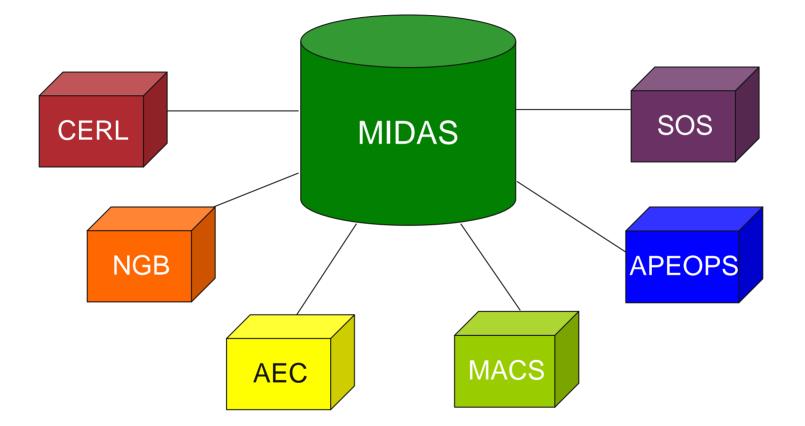


Overall, the Web Site is Organized into Four Main Areas





Current Data Sharing via the MIDAS Web Site





As MIDAS Thrives, the Web Site Responds

- Web site is the focal point for MIDAS data
- Version 160 of the MIDAS Library was published in April 2007
- MIDAS contains detailed information for:
 - 8,672 munitions
 - 30,482 components
 - 106,237 parts
 - 13,461 part materials
 - 6,483 bulk materials
 - 3,595 compounds

Continually update the Site with new features

		POSITION ACTION SYST	EIVI
About MIDAS Produ	Icts Related Systems Other	Resources Satellite Sites DAC Adm	nin Logout
	Last 6 Searches	Central Library	Last 6
	BKMTL	Category # Items	Expands
	TYPE=2	Munitions 8672	CATAPULT
	MUNITION	Components 30482	ACFT EJECTION
	DODIC=md11	Parts 106237	SEAT
	COMPOUND	Part Materials 13461	PHOSPHORUS
	NOMEN=phosphorus	Bulk Materials 6483	SCREW PLATE
	MUNITION	Compounds 3595	CTG 90MM
	DODIC=c280	Diagrams 383	HE-T M71A1
	PARTS	Unitloads 986	W/F
	NOMEN=screw		CTG 90MM
	MUNITION	Advanced Global search over all Search categories.	<u>HE-T M71A1</u> W/F
	NSN=13	Search categories.	
		Global Search	CTG CASE M19B1
		Global Search Global search by any	1112201
		Word Search word (including	



The MIDAS Web Site Has Been Busy

Currently 750 registered users

Recent monthly usage:

- 1,100 sessions
- 235 unique users
- 2,967 searches
- 2,518 detailed structures viewed

In the last year, over 50,000 searches have been performed!



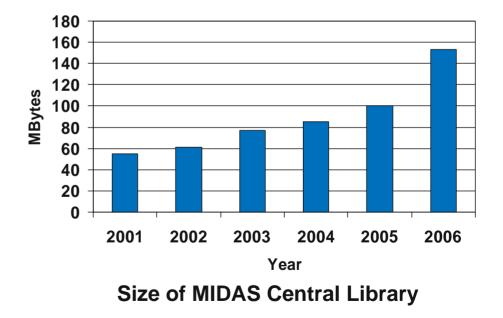
How Has MIDAS Grown?

Characterizations

- New munitions
- Additional components, parts, part materials, bulk materials, and compounds
- Additional data for existing items

Enhancements

- Final location of munition parts when fired (Firing Point/Impact Point)
- CAS numbers
- CAGE codes
- Tracking numbers of unavailable drawings
- Tracking of multiple revisions for a munition





As MIDAS Has Grown, the Web Site Has Addressed New Challenges

Displaying large amounts of data

- Detailed structure of a munition
- Usage of common materials/compounds

Word	# Occurrences
Steel	42,382
Alloy	21,152
Stainless	20,479

Expanding searching capabilities and performance

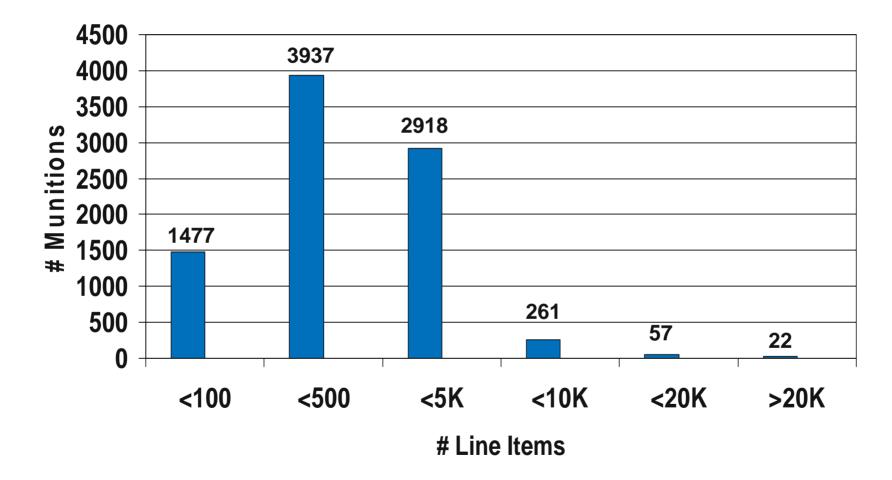
- Key fields
- Global text search
- Word dictionary (13,000 words, abbreviations, codes, sizes)
- Synonyms (element symbols, abbreviations, different spellings)

Increased Access and Data Security

- MIDAS data designated "For Official Use Only"
- Security certificates
- Microsoft Internet Explorer 7



Large Amounts of Data: Number of Line Items in the 8,672 Munition Characterizations



The most detailed munition characterization has 247,861 line items!



Similar to Web Search Engines - MIDAS Tools Create Support Databases to Boost Performance

- Munition detailed structures (the "*Expands*")
- Material/compound usages
- Reports for each munition
- Word dictionary and synonyms
- Calculated weights



These tools create databases 80 times the size of the Central Library (12 GBytes).



Don't Let Security Warnings Scare You Away from MIDAS!

- MIDAS Web site security certificate is issued and signed by DOD
- DOD is not a default trusted signature for any web browsers
- To avoid certificate warnings, add DOD as a trusted signature
- How? Download and Run DOD certificate install program



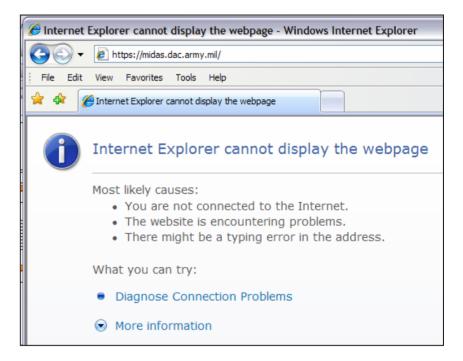
Microsoft Internet Explorer 7





Microsoft's Internet Explorer 7 (IE7) Security Messages are Misleading

- IE7 has changed default security settings
- MIDAS Web site uses an SSL 2.0 security certificate
- IE7 default settings for secure browsing are not set to use SSL 2.0
- This will be a widespread problem with accessing Web sites that require access security





Correct the Internet Explorer 7 Security Settings

Internet Options Edit Internet options on your PC General Security Privacy Content Connections Programs Settings Enable the SSL 2.0 option Security Allow active content from CDs to run on My Computer* Allow active content to run in files on My Computer* Allow software to run or install even if the signature is invi Check for publisher's certificate revocation **Close all Internet Explorer windows** Check for server certificate revocation* Check for signatures on downloaded programs Do not save encrypted pages to disk Empty Temporary Internet Files folder when browser is do Restart Internet Explorer Enable Integrated Windows Authentication* Enable native XMLHTTP support 🐻 Phishing Filter ✓ Use SSL 2.0 Retry the MIDAS Web site Use SSL 3.0 < 1111 *Takes effect after you restart Internet Explorer Restore advanced settings Reset Internet Explorer settings Deletes all temporary files, disables browser add-ons, and resets all the changed settings. You should only use this if your browser is in an unusable state. OK Cancel



? 🗙

Advanced

~

>

Reset...

Apply

If You Have a Problem using the Web Site

- Note the date and time
- Note the munition item or search criteria you were specifying
- Note any error messages
- Call Tena Ellis at 918-420-8014 or email at <u>Tena.Ellis@US.ARMY.MIL</u> as soon as possible

We wish to thank Paul West (Tooele Army Depot) for timely feedback that enabled us to track down and solve a recurring issue on the MIDAS Web site.



If You are Not Already a MIDAS User, Get Registered Now

Start at <u>http://midas.dac.army.mil</u>

- On the About Menu, select Register
- Agree to terms of use
- Submit registration information
- Download, print, and sign MIDAS registration form
- Receive email confirmation of account activation
- Fax signed hard copy to DAC (918-420-8717) within a week to avoid account deactivation.

Clicking the `I Agree' checkbox verifies the potential user has read and fully understands this agreement.				
I agree to the terms and conditions listed above.				
Continue				

	111D INITIC	A. MI
	About	MIDA
Members Area User Name: Password:	About Info Home Mission FAQ Help Users Guide	
Login	Contacts Disclaim	;



Contact Information

Steve Bormet Decision and Information Sciences Building 900 Argonne National Laboratory 9700 S. Cass Ave. Argonne, IL 60439 630-252-7675 630-252-5128 (fax) smbormet@anl.gov

