

Data Warehousing, New Information and Tools



HCAT Program Review
San Diego
January, 2006



Hazmat

Alternatives

Report Documentation Page

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Carrier landings



The HCAT home page – www.hcat.org



www.hcat.org

To reach the data warehouse you click **HERE** Goes to www.materialoptions.co

HCAT info

The HCAT workspace – www.materialoptions.com

- ❑ Dynamic – constantly increasing number of files
- ❑ Location for all the reports and data
- ❑ All briefings from HCAT meetings (in PDF)
 - This meeting briefings will be on site in about a week
- ❑ ESOH background info
- ❑ Specs and standards
- ❑ Place to share info, upload and download files
- ❑ Separate workgroup for each project to warehouse and share data and work in progress
 - Open only to members of that project

HCAT data site – www.materialoptions.com

Username:
hcat@hcat.org

Password:
hello.hcat

Or:
hcatguest/hcat

Some people have their own usernames with more extensive rights

New: Reports and JTPs Open to public

Alterna

rowanweb - Microsoft Internet Explorer

http://192.168.1.192/w2g/cg/kmogl.exe?O=GRP000000001&V=0

Username: Password:

The Projects

- Hydraulic Actuators
- GTEs
- C-HCAT
- AFRL-NLOS
- ESD
- ID Plasma Spray
- Nanograin Electroplate

Technical Information

- HVOF Information and Data
- HCAT Calendar
- Meetings

Type	Name	Size	Modified	Version
Folder	HCAT Papers, Presentations, Publications	10 Ob.	2004/01/30 17:39	
Folder	HCAT Reports and Test Protocols	11 Ob.	2004/06/30 15:49	
Folder	News and Next HCAT Meeting	2 Ob.	2004/06/08 13:57	
Folder	Temporary Data Sharing - anonymous users			
Folder	Canada Meeting Aug 12 2003	6 Ob.	2003/09/15 14:46	
File	Accessing the HCAT web site.doc	28.5 Kb	2003/08/14 18:50	1
File	Problems and error messages	6.93 Kb	2003/07/08 17:50	
File	Prnjects and Partners	301 Bytes	2004/01/21 15:24	

Agitez votre baguette magique pour changer la langue!

HELP!! Instructions on doing the most common tasks

HCAT main page

Words are links to the most-used areas

This area is not passworded



Hazmat-alternatives.com Portal

A new portal to get at info on alternatives to hazardous materials – www.hazmat-alternatives.com

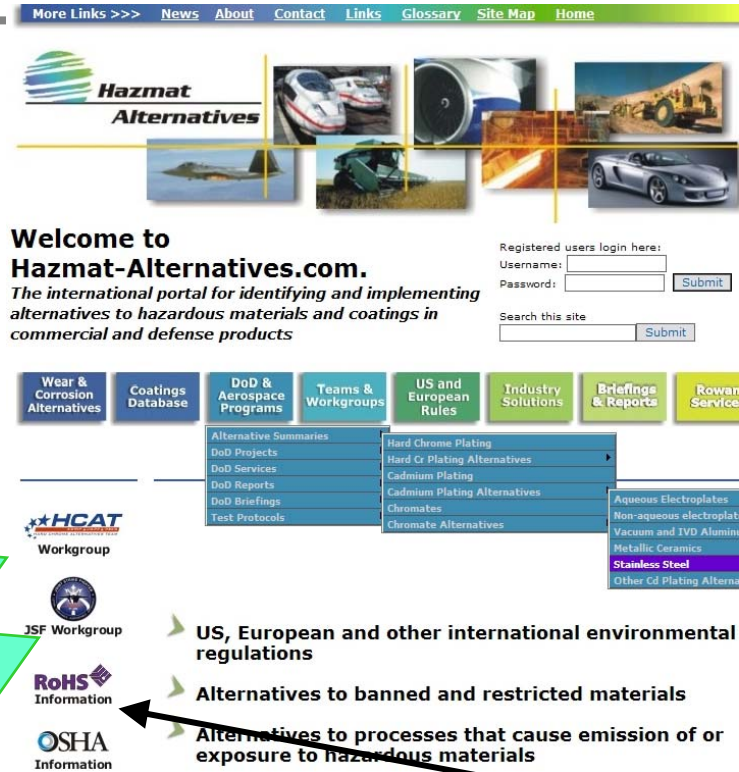
With all the new rules

- OSHA Cr⁶⁺ PEL
- EU WEEE
- EU RoHS
- China RoHS
- Etc, etc.

Need sources of info, not just on rules, but on what to do about them

HCAT workspace

JSF workspace



The screenshot shows the website's navigation menu with categories like 'Wear & Corrosion Alternatives', 'Coatings Database', 'DoD & Aerospace Programs', 'Teams & Workgroups', 'US and European Rules', 'Industry Solutions', 'Briefings & Reports', and 'Rowan Services'. A dropdown menu is open under 'DoD & Aerospace Programs', listing items such as 'Alternative Summaries', 'DoD Projects', 'DoD Services', 'DoD Reports', 'DoD Briefings', 'Test Protocols', 'Hard Chrome Plating', 'Hard Cr Plating Alternatives', 'Cadmium Plating', 'Cadmium Plating Alternatives', 'Chromates', 'Chromate Alternatives', 'Aqueous Electroplates', 'Non-aqueous electroplates', 'Vacuum and IVD Aluminum', 'Metallic Ceramics', 'Stainless Steel', and 'Other Cd Plating Alternatives'. Below the navigation, there are logos for 'HCAT Workgroup', 'JSF Workgroup', 'RoHS Information', and 'OSHA Information'.

Will shortly have individual logins for DoD info, but not HCAT workspace

All sorts of sexy fly-out links to info on hazmat alts

- US, European and other international environmental regulations
- Alternatives to banned and restricted materials
- Alternatives to processes that cause emission of or exposure to hazardous materials

We provide comprehensive solutions for meeting ever stricter environmental regulations...

- Technology summaries, briefings, reports
- Tools for Roadmapping, Cost Benefit Analysis and Technology Evaluation
- Evaluation of solutions for your specific needs
- Engineering expertise to choose the right new technology and put it into production

Everything you always wanted to know about regs but were afraid someone might tell you

Getting to Workgroups for various programs



Reports and briefings

Environmental Security Technology Certification Program

Cost and Performance Report

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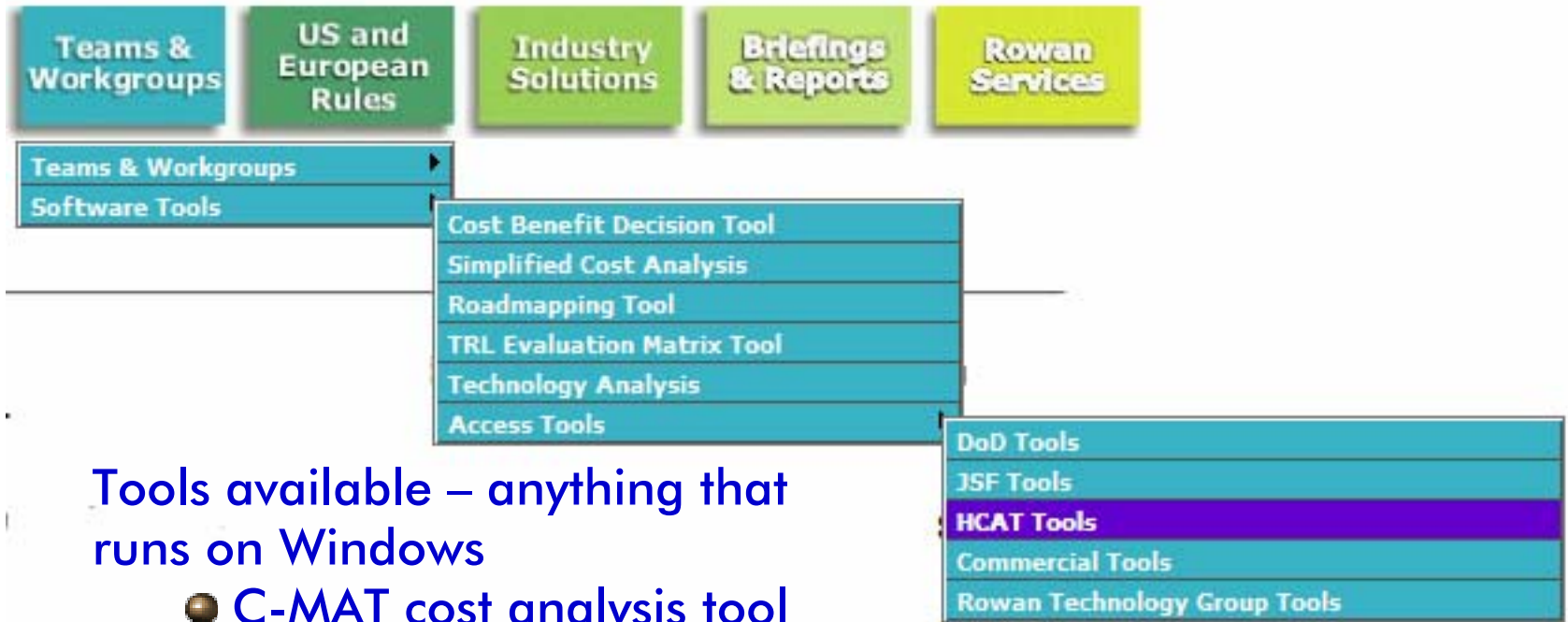
DoD Programs - Reports Chrome Alternatives

- Wear & Corrosion Alternatives
- Coatings Database
- DoD Programs
- Teams & Workgroups
- US and European Rules
- Industry Solutions

- Alternative Summaries ▶
- DoD Projects ▶
- DoD Services ▶
- DoD Reports ▶
- DoD Briefings ▶
- Test Protocols ▶

Title & Author(s)	Contents	
Use of Thermal Spray as an Aerospace Chrome Plating Alternative - Keith Legg, Rowan Technology Group & John Sauer, Sauer Engineering		Download
Chrome Replacement for Internals and Small Parts - Keith Legg, Rowan Technology Group		Download
Field Repair of Chrome and Cadmium Replacements - Keith Legg, Rowan Technology Group		Download
Clean Dry-coating Technology for 1D Chrome Replacement - Keith Legg, Rowan Technology Group & Bruce Sartwell, NRL		Download PDF Download ZIP with Appendices (38.5 MB)

Tools



Tools available – anything that runs on Windows


- C-MAT cost analysis tool
- Roadmapping tool
- Project planner
- Coatings database

Secure Virtual Office Remote Desktop Tools

Various software tools can be made available for different workgroups

- Username and password needed
- Each user has own preferences
- Each group has own set of tools
- Requires download of ActiveX controls
- Can use for all seeing, modifying cost analyses
- Likely to be good for final assembly of reports – avoid the dreaded GAHGB nonsense with graphics

The screenshot shows a remote desktop session titled "SonicWALL Secure Remote Desktop Client". The desktop environment includes a Start menu, a taskbar with various icons, and a Microsoft Word document titled "Remote Desktop Welcome.doc (Read-Only) - Microsoft Word". The document content is as follows:



Welcome to your Remote Desktop.

This Secure Server Remote Desktop works exactly the same way as the desktop on your own computer. Your files are not accessible to anyone else (except Rowan's desktop Administrator), and you cannot see anyone else's files. You can use Windows Explorer to find and view files, make folders, move and copy files, and you can open up your applications by launching them from the Start Menu or Launch Bar at the bottom left.

At the top of the screen you will see a bar with the usual icons for Minimize, Restore (Partial Screen) and Full Screen. To see your own desktop, click on the Minimize or Partial Screen icon. Partial Screen will let you see your task bar so you can work on your own computer and on the Remote Desktop both at once, while Minimize gives you your whole desktop back. Partial Screen allows you to copy and paste (but not drag and drop) files between your own desktop and the Remote Desktop. To get back to the Remote Desktop right-click the Internet Browser icon in your task bar and choose "SonicWALL Secure Terminal Access Client". Right-click and choose maximize or restore.

When you are done, log off the Remote Desktop by clicking Start (on the Remote Desktop) and Log Off, or by clicking the Close button (X) at the top right. Then Click Logout when it drops you back to the SonicWALL screen.

For detailed instructions click the round HELP button at the left of your screen.

Keith Legg, Rowan Technology Group, Chicago, IL, USA
847.680.9420, klegg@rowantechnology.com

Password changes

- ❑ Due to need for more control and tracking in JSF area and access to DoD info we will soon institute individual usernames and passwords for some areas of workspace
- ❑ HCAT area likely to be unaffected
- ❑ Anyone needing access to tools will need individual usernames and passwords



How to get at files on the data-sharing HCAT workspace

Username and password takes you here

work2gether™ Home Logout Help

Search

rowanweb (HCAT USER) ←

Projects and partners

HCAT
HARD CHROME ALTERNATIVES TEAM

Hard Chrome Alternatives Team

Edit Details New List Search View

HCAT
HARD CHROME ALTERNATIVES TEAM

ESTCP
Environmental Security Technology Certification Program

SERDP
Strategic Environmental Research and Development Program

This much-improved web site is designed to make it easier for team members to share data, to see what data is available, and to join in discussions. For detailed instructions on how to use this site [click here](#).
To download a file: Right-click in the clear space to the right of the filename and choose Save. You can also right-click the filename itself and choose Save Target As, but this method will not work with zip files.

Type	Name	Size	Modified	Version
Folder	Alloy Data <i>Basic steel data on 300M, 4340, Aermet 100</i>	1 Ob.	2004/10/23 08:54	
Folder	Basic Project Information <i>Description of HCAT Program</i>	2 Ob.	2003/06/27 09:39	
Folder	Commercial Chrome Replacement Programs <i>Delta Airlines flight testing</i>	1 Ob.	2003/06/27 09:41	
Folder	Cost Analysis <i>Cost Analysis for HVOF substitution</i>	3 Ob.	2004/10/11 09:52	
Folder	Current Issues - integrity spalling <i>Issues with coating integrity</i>	1 Ob.	2003/06/27 09:43	
Folder	Dem-val components <i>Component being dem/val'd various locations</i>	5 Ob.	2003/06/27 09:44	
Folder	Environmental and medical issues <i>ESOH and medical reports</i>	19 Ob.	2005/01/18 11:41	
Folder	ESTCP and SERDP Documents <i>Guidance for documents required by SERDP and ESTCP, JTP, Demo Plan, Final Report, etc.</i>	5 Ob.	2005/03/02 11:53	

Objects: 43 (1...43) of 43 View 300 Page size 100 Page 1 of 1

Username – if
"anonymous"
log in again

Seek and ye
shall find

Data folders
Check this box if
you don't see
descriptions

Where is the most important stuff?

Item Name	Last Modified
HVOF Info and Data	5 Ob. 2003/06/27 14:52
Meetings - HCAT program review	21 Ob. 2003/08/01 17:29
Meetings - other	11 Ob. 2003/10/28 18:39
Memo pictures and graphics	1 Ob. 2003/06/27 09:51
Papers & presentations outside HCAT	10 Ob. 2003/07/27 14:07
Pictures & graphics	13 Ob. 2003/06/27 10:00
Reports	4 Ob. 2003/11/14 12:32
Specs and Standards	7 Ob. 2003/06/27 10:02
Sub-projects	5 Ob. 2003/07/17 18:53
Team Members	1 Ob. 2003/08/04 16:57
Temporary file sharing	1 Ob. 2003/11/11 14:05
AFRL Non-line-of-sight (NLOS)	5 Ob. 2003/07/27 11:34
Cadmium Alternatives	2 Ob. 2003/09/08 11:34
Canadian HCAT	14 Ob. 2003/09/24 19:59
Documents in Process	5 Ob. 2003/06/25 16:27
ESD - Electrosark Deposition for Repair - PEWG-HCAT	12 Ob. 2003/11/10 11:50
HCAT GTEs	3 Ob. 2003/08/21 17:30
HCAT Hydraulic Actuators	4 Ob. 2003/10/31 16:19
HCAT Landing Gear	4 Ob. 2003/06/25 15:49
HCAT Propeller Hubs	2 Ob. 2003/06/25 16:04
Process Mapping	4 Ob. 2003/07/17 18:26
SERDP 1147 - Electrosark Deposition for ID chrome replacement	12 Ob. 2003/07/18 11:24
SERDP 1151 - ID Plasma spray	14 Ob. 2003/06/27 10:37
SERDP 1152 - Nanograin electroplate	12 Ob. 2003/09/22 18:18
HCAT header	14 Ob. 2003/09/22 18:18

All the primary HVOF data

These meetings

Reports on landing gear, prop hubs, etc.

Info on Cd

Specific projects



Downloading files

1. Move cursor up and down
2. Each file area turns yellow as you cross it
3. Right-click yellow area rather than filename
 - For most files right-or left-clicking filename works, but not zip files
4. Click Save
5. Follow the instructions

Left-click filename if you want to view on-line rather than download

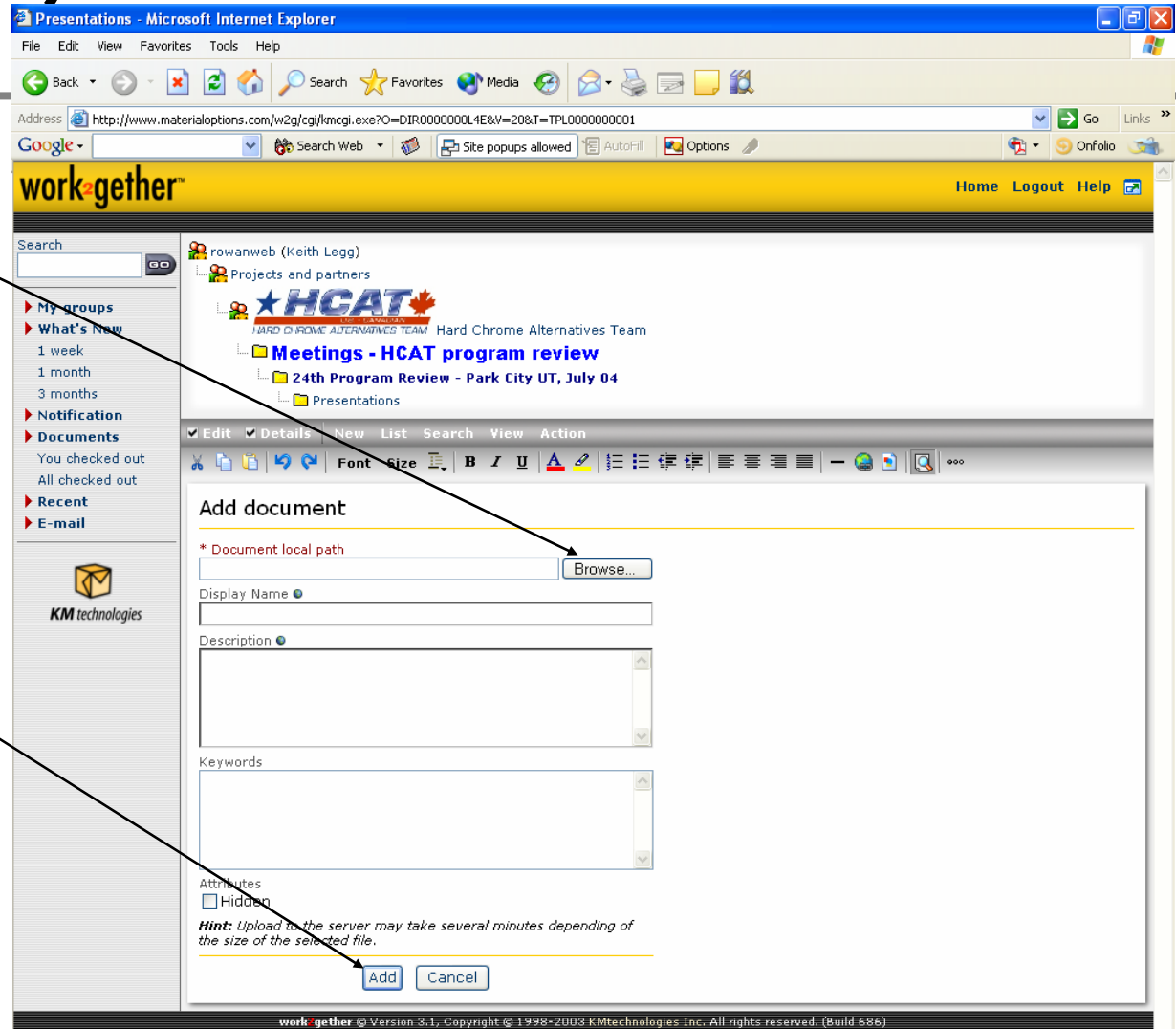
Contains commands for working with the selected items.

Uploading files

- Click New on menu
- Click Document on drop-down

Uploading (cont)

- Browse for filename on your machine
- Give it a Display Name (or leave blank and it will give it your filename)
- Add some descriptive comments if you feel it will help
- Click Add and wait for this screen to disappear and update the Document list



Checking out a document (Click the lock)

DO NOT lick the clock unless you mean it!

- ❑ This icon is for checking out a document so nobody else can upload a new version until you are done
- ❑ Click the lock icon  on the far right

<input type="checkbox"/>		Deveraux - 3. P-3 SLAP HVOF MLG Piston Final Report.pdf	13.56 Kb	2004/03/24 09:13	1	
<input type="checkbox"/>		Deveraux - 4. P-3 NAVAIR HVOF APPROVAL LETTER.pdf	80.97 Kb	2003/12/22 10:50	1	
<input type="checkbox"/>		Edwards Hill bend testing.pdf	1.81 Mb	2003/12/17 09:08	1	
<input type="checkbox"/>		Garcia HCAT HVOF - November 2003.pdf	882.44 Kb	2003/12/17 11:54	1	

- ❑ It will turn into a little key icon  and will ask if you want to download (just cancel)

<input type="checkbox"/>		Deveraux - 3. P-3 SLAP HVOF MLG Piston Final Report.pdf	13.56 Kb	2004/03/24 09:13	1	
<input type="checkbox"/>		Deveraux - 4. P-3 NAVAIR HVOF APPROVAL LETTER.pdf	80.97 Kb	2003/12/22 10:50	1	
<input type="checkbox"/>		Edwards Hill bend testing.pdf	1.81 Mb	2003/12/17 09:08	1	

- ❑ Click the key, browse for the new version of the file and click Save. It uploads with Version # 2

Individual projects



Team information sharing website.



Environmental Security
Technology Certification
Program



SERDP
Strategic Environmental Research
and Development Program

This much-improved web site is designed to make it easier for team members to share data, to see who has been in discussions. For detailed instructions on how to use this site [click here](#).

To download a file: Right-click in the clear space to the right of the filename and choose Save. You can also choose Save Target As, but this method will not work with zip files.

Information on Cadmium Alternatives - programs, reports, papers, etc.

Canadian HCAT
Canadian HCAT, including TPC, DND, Goodrich, Messier-Dowty, Heroux, NRC. Materials testing, producibility testing, rig testing

ESD - Electrosark Deposition for Repair (mostly GTEs) - PEWG-HCAT Project EPP 0202
Microweld repair of components and coatings by Electrosark Deposition (Electrosark Alloying). OC-ALC, ASAP, GEAE, P&W, EWI

HCAT GTEs
Gas turbine engine program. GEAE, P&W, RR, OC-ALC

HCAT Helicopter Components
HVOF chrome replacement for helicopter head components

HCAT Hydraulic Actuators
ESTCP program headed by Hamilton Sundstrand and NADEP Cherry Point

HCAT Landing Gear
ESTCP program for HVOF on landing gear
PROJECT COMPLETE

rowanweb (HCAT USER)

Projects and partners



Hard Chrome Alternatives Team

ESD - Electrosark Deposition for Repair

Edit Details New List Search View Actions

Type	Name
	Announcements
	Approvals
	Current Issues
	Data
	Meetings
	Papers & Presentations
	Pictures and graphics
	Reports
	Team Members (reports etc)
	Temporary information sharing
	Test plans
	Trash

Sometimes it asks for your username and password again



No, it's not OK,
dammit Gates!!

- ❑ The rule is "if you can see it you have rights to it"
 - Just enter username and password again
- ❑ Also, when you use the back arrow to get back you often get a Gatesian "page expired" message
 - Just click the arrow again