Welcome to Railinc's Umler Training Resources

- Training Module Series
 - Umler: Getting Started
 - Umler: Core Functions 1
 - Umler: Core Functions 2
 - Umler: Administration Functions
- Training Module Slide Sets
- Web demos on Railinc.com



Umler Account Administration - Agenda

- Introduction & Review
- Railinc SSO IDs
- SSO permissions for a Mark
- Administering Umler Rights
- Best Practices
- Managing Ticklers
- Summary



Introduction & Review

Administration Functions

- Company Administration
- Access and Permissions
- Security



Changes to Umler Security

- No more Passkeys after July 25, 2009
- Umler Security is managed through SSO
 - SSO Permissions to access administration for a mark
- Users are granted Umler rights to update equipment



Company Administrator Role

- CA provides permission for IDs to access Umler for your MARK
- CA grants rights to users to update inspections, pools, and equipment data for your Mark
- CA accepts and delegates rights granted from other companies
- CA manages who receives event notifications -"ticklers"



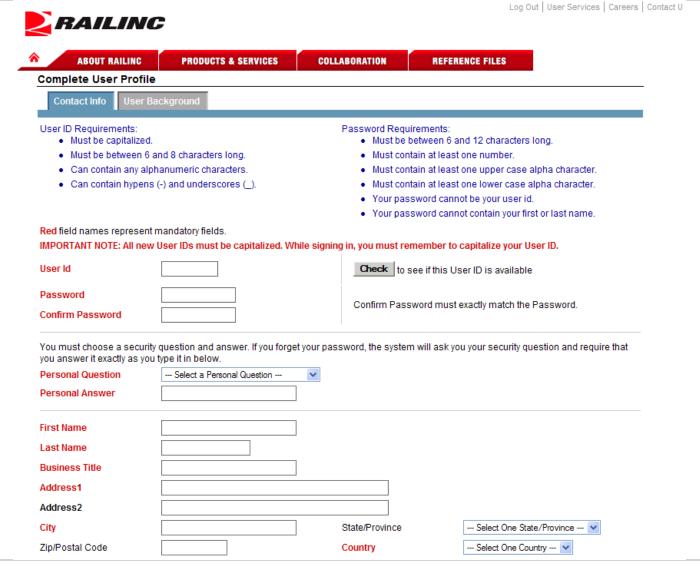
Railinc SSO IDs



csc@railine con



Create your SSO ID Online





SSO Permissions

Access for Query Advanced Query Access Access for Maintenance Bulk Upload Refresh Request Access Manage Future Transactions Company Specific Equipment Groups



Login to SSO to request Permission



Log Out | User Services | Careers | Contact Us





PRODUCTS & SERVICES

COLLABORATION

REFERENCE FILES

Welcome Security Test!

My Profile Management

- Edit My Profile
- Change Password
- View/Request Permissions
- Check Status of Permission Requests

My Applications

View Additional Applications



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Request Access to Umler for your Company



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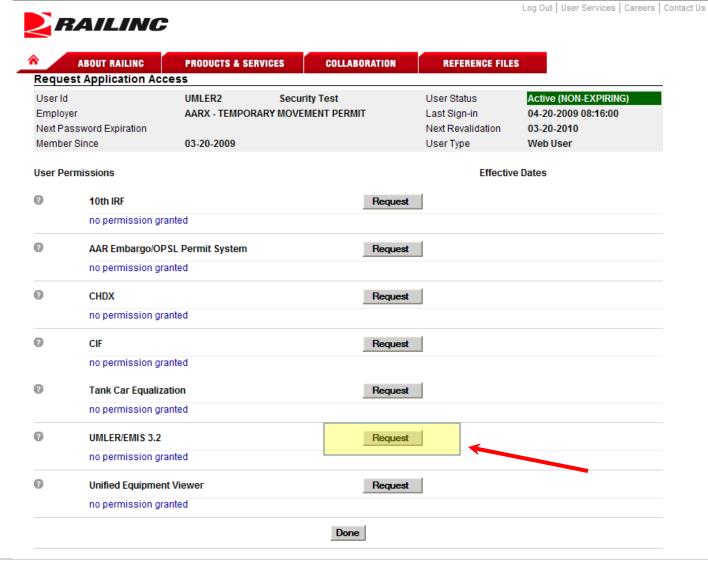
View Additional Applications



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'Request' Umler Access





Request Page is displayed

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^	ABOUT RAILING	PRODUCTS & SERVICES	COLLABORATION	REFERENCE FILES				
	UMLER/EMIS 3.2							
	ALER/EMIS 3.2 equest Permission							
Sel	ect a Role for this applicati	ion.						
Sel	ect Role	Management). This is th	I: (company required): unctionality (Equipment, Car ne default permission grante s.(Formerly EMIS Generic Ac	d when new User's requests				
Cor	mpany Id	Search						
Ent	er Comment							
			Submit					

Contact Us

Careers



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Fill in the Access Request

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Request is submitted

- If the requestor is the first Umler SSO request for this Mark
 - Railinc provides Query, Update/MTC, and Company Admin access
 - Approval is sent
- If the requestor is not the first Umler SSO request for this Mark
 - Company admin handles the request







ABOUT RAILING

PRODUCTS & SERVICES

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Welcome Ronald Tsolis!

My Profile Management

- Edit My Profile
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My Applications

- EHMS61
- Railinc Messaging Console
- UMLER/EMIS 3.1
- UMLER/EMIS 3.2
- UMLER/EMIS Training
- View Additional Applications

Administrator Functions

Permissions

- Approve/Reject Permission Requests
- Manage User Permissions

Tools

- Advanced User Query
- Find Admin Contacts for Application

Accounts

· Create New User



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SSO permissions

EMIS Access for	EMIS Access for Maintenance: (company required):							
Access to EMIS	Access to EMIS transaction/update functionality.(Formerly EMIS Update Access)							
Effective Date:	03-31-2	2009	Expiration Date:					
□ FINIS Assess for								
EMIS Access for Query: (company required):								
is the default pe	Access to EMIS Query functionality (Equipment, Car Management, Transaction Log & Notice Managemer is the default permission granted when new User's requests for EMIS are accepted by company adminis (Formerly EMIS Generic Access)							
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS Advanced Query Access: (company required):								
Running and so	Running and scheduling built-in advanced query reports, as well as creating customized reports.							
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS Application Administrator:								
Qualify as a Rai	linc Administrator. Co	nfigure TRAIN II r	nessaging.					
Effective Date:	03-31-2	2009	Expiration Date:	•				
EMIS Bulk Uploa	ad: (company required	d):						
Upload transact	ions in CSV format. U	pload corrected r	notices in CSV format.					
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS CSEG Access: (company required):								
	Create, modify, or delete company-specific equipment group headers. Add or remove equipment from a company-specific equipment group.							
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS Company Admin Access: (company required):								
Qualify as a Company Administrator. Create, modify or delete security profiles. Associate/Disassociate user to/from security profiles. Configure ticklers.								
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS Manage Future Trans: (company required):								
Create, view, an	d delete transactions	that the system v	vill process at a specified	future date.				
Effective Date:	03-31-2	2009	Expiration Date:					
EMIS Refresh Request Access: (company required):								
Allows a company to resynchronize its local copy of pool and equipment data following an interruption of messaging or an error occurring at the company site.								
Effective Date:	03-31-2		Expiration Date:					
Lifective Date.	U3-31-2	.003	Expiration Date.					



AARX

Search

Select Role

SSO Security Permissions

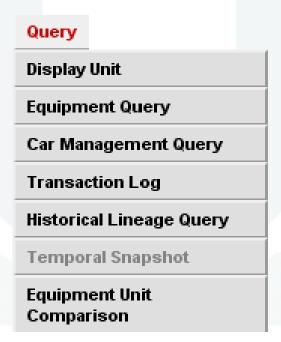
SSO Permissions drive the Menus

- Access for Query
- Advanced Query Access
- Access for Maintenance
- Bulk Upload
- Refresh Request Access
- Manage Future Transactions
- Company Admin
- Company Specific Equipment Groups



Access for Query SSO Permission

Access for Query Gives users the Query Menu





Access for Maintenance SSO Permission

Basic Maintenance Menu

Maintenance

Add/Change/Delete >

Car Management >

Inspections

Notice Management

Suspended Work



Company Admin SSO Permission

Basic Security

Account Administration

Security Management

Add Company Admin to unlock ticklers

Account Administration

Security Management

Configure Ticklers



Company Admin Unlocks all Menus







Account Administration

Security Management

Configure Ticklers



SSO Security Multiple Marks

SSO permissions for multiple Company IDs can be provided

8	UMLER/EMIS 3.2	Add	Remove	
	EMIS Access for Query	AARE - RAILINC Umler Test Company	03-31-2009	
	EMIS Access for Query	AARX - TEMPORARY MOVEMENT PERMIT	03-31-2009	
		Remove Selected Permissions Done		



SSO Security Permissions

Multiple permissions drive a choice at Umler Login



Select Your Company

Select the company on whose behalf you are working.





Umler Security Rights

Inspection Pools Add Equipment Modify Equipment Delete Equipment View Confidential Data



Umler Security Rights

Company Admins are the only ones who can manage Umler Security rights

Intra-Company Rights – Rights within my company or available marks

Inter-Company Rights - Rights I can grant or accept between companies





BAILING Umler Equipment Management Information System

UMLER2 is signed on for company AARX - TEMPORARY MOVEMENT PERMIT

Upload / Download Account Administration Contact List Home Querv Maintenance Help

Security Management

Security Management

Configure Ticklers

Welcome to the EMIS Security Management Module. What would you like to do?

Administer Access Rights Internal to My Company

- View My Access Rights
- Manage Intra-Company User Access Rights
- Manage Security Profiles
- Add/Remove User to/from Security Profiles

Administer Access Rights Involving Other Companies

- Manage Inter-Company Access Rights / Profiles Granted by My Company
- Manage Inter-Company Access Rights Granted to My Company
- Manage Inter-Company Profiles Granted to My Company

Search User Access Rights

Search User Access Rights

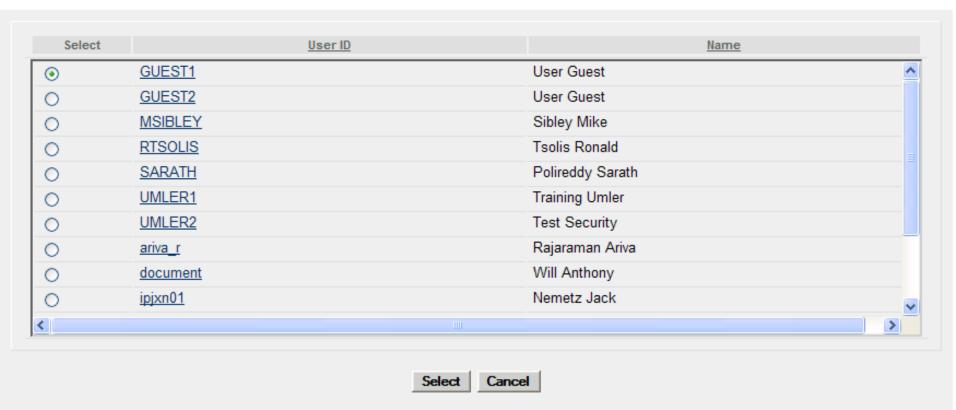
Umler Equipment Management Information System

UMLER2 is signed on for company AARE - RAILINC Umler Test Company

Home Query Maintenance Upload / Download Account Administration Contact List Help

Update A User's Access Rights

Select the user to update.



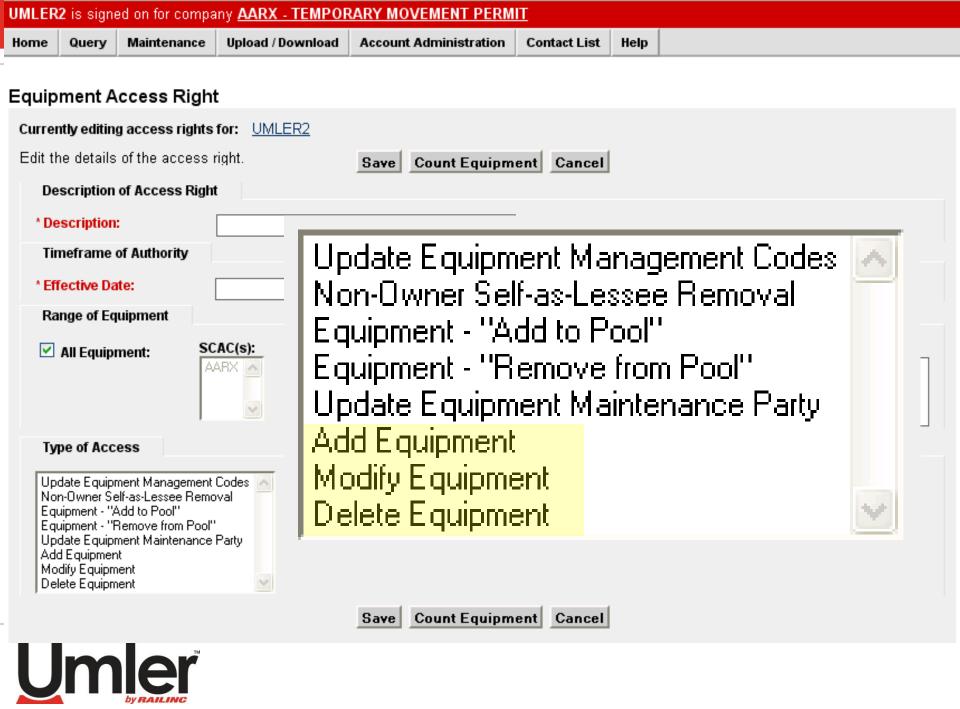






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RAILING Umler Equipment Management Information System

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Search User Access Rights

Search User Access Rights



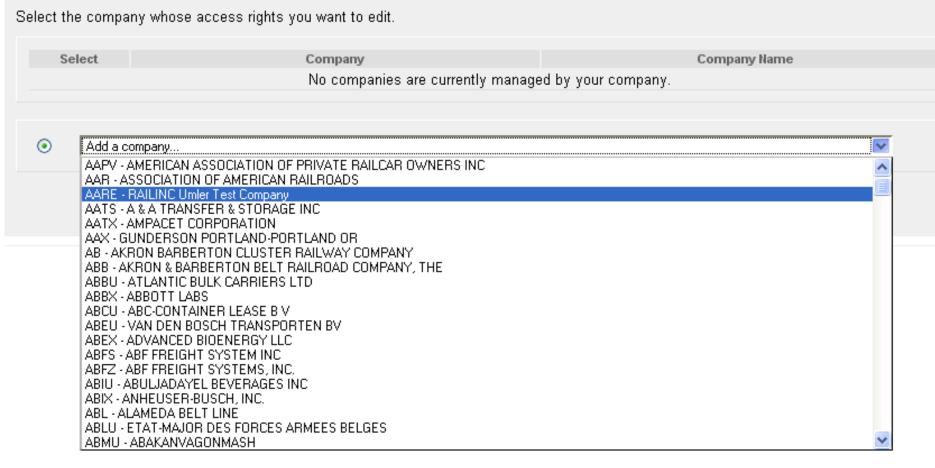
RAILING Umler Equipment Management Information System

sign out | user services | help | contact

UMLER2 is signed on for company AARX - TEMPORARY MOVEMENT PERMIT

Maintenance Upload / Download **Account Administration** Home Query Contact List Help

Inter-Company Access Rights Granted by My Company







Provide Pool, Equipment, Inspection Provide View Confidential Right





Umler Equipment Management Information System

<u>sign out | user services | help | contact u</u>

UMLER2 is signed on for company <u>AARX - TEMPORARY MOVEMENT PERMIT</u>

Query Maintenance Upload / Download **Account Administration** Contact List Home Help View Confidential Data Access Right Currently editing access rights for: AARE Edit the details of the access right. Save Count Equipment | Cancel **Description of Access Right** * * Description:: **Timeframe of Authority** * Effective Date: * Expiration Date: • 12-31-9999 Range of Equipment Equipment Group(s): Equipment: SCAC(s): Initial(s): ✓ All Equipment: AARX 🔥 CHSS CONT Count Equipment | Cancel Save



Confidential Data Right

Allow others to view Confidential data as a course of business

Restencil is effective only when View Confidential Data Right is in place

- Built Date is the key to restencil
- Cost and other information is transferable
- Multiple Restencil is impossible without





RAILING Umler Equipment Management Information System

UMLER2 is signed on for company AARX - TEMPORARY MOVEMENT PERMIT

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- Manage Inter-Company Access Rights Granted to My Company.
- Manage Inter-Company Profiles Granted to My Company

Search User Access Rights

Search User Access Rights

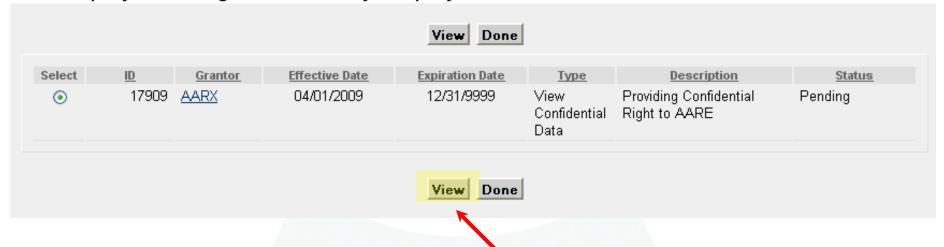


RAILING Umler Equipment Management Information System

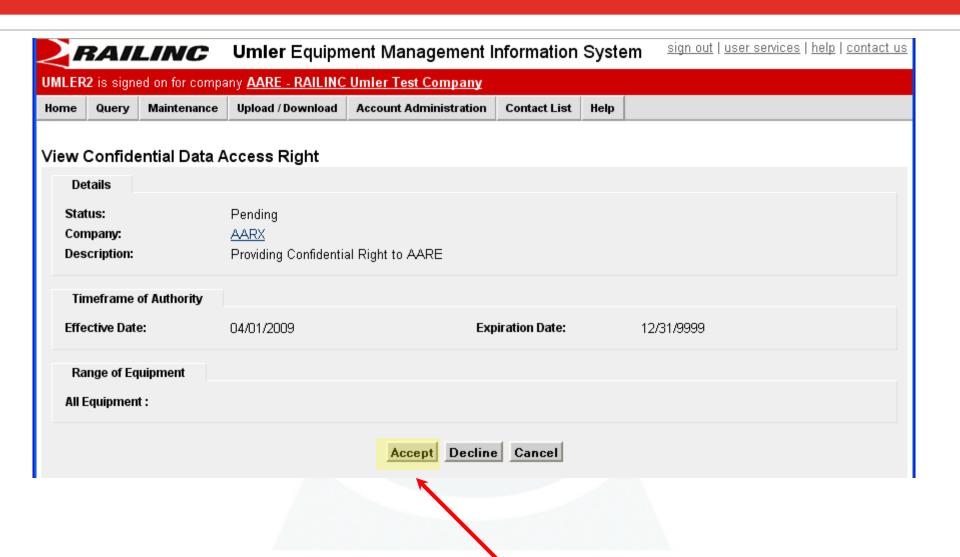
sign out | user services | help | contact us

UMLER2 is signed on for company AARE - RAILINC Umler Test Company								
Home	Ouen	Maintenance	Unload / Download	Account Administration	Contact Liet	Haln		

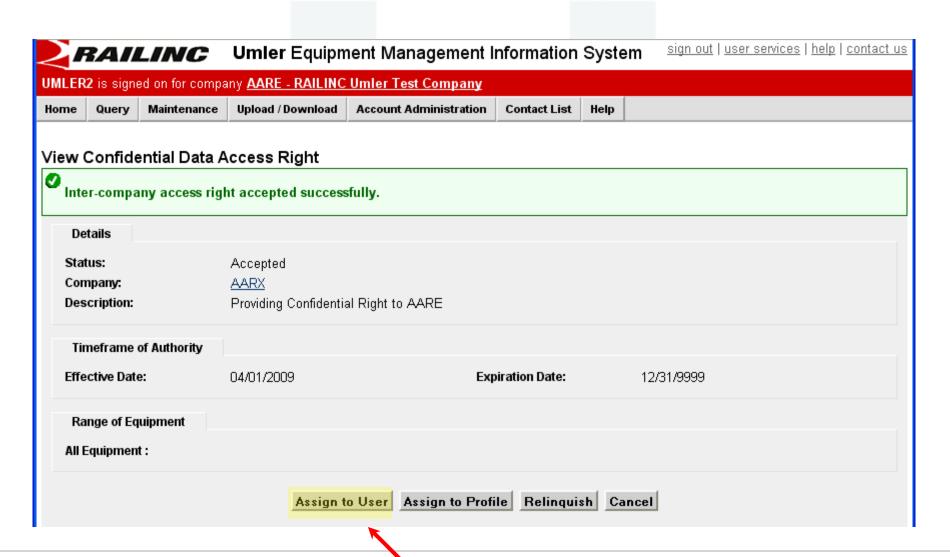
Inter-Company Access Rights Granted to My Company



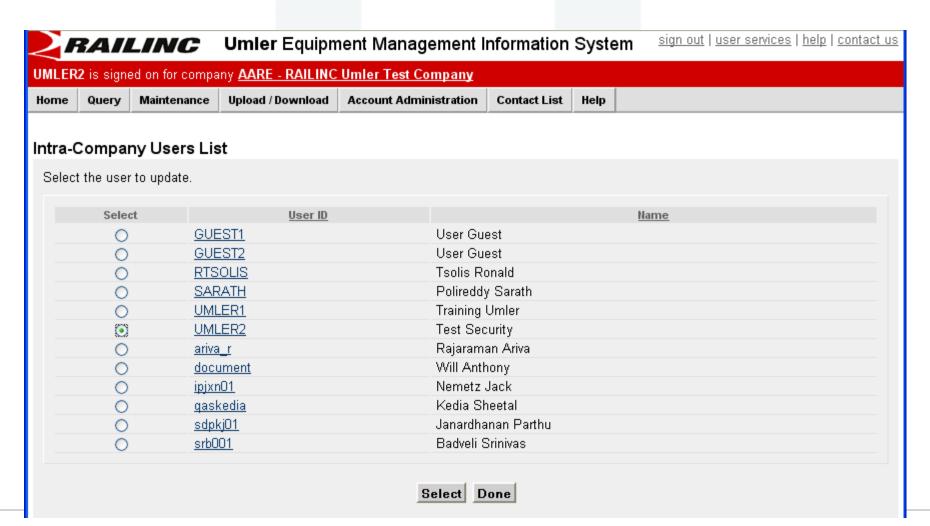
















Umler Equipment Management Information System

sign out | user services | help | contact

UMLER2 is signed on for company AARE - RAILINC Umler Test Company

Home Query Maintenance Upload / Download Account Administration Contact List Help

View Confidential Data Access Right

Currently assigning a right to:	UMLER2					
Edit the details of the access	right.					
		Save Count Equipment Done				
Description of Access Rig	ht					
Access Right ID (Assigned from inter-company):	17909					
* Description:	Providing Confidential Right to AARE					
Timeframe of Authority						
* Effective Date:	04/01/2009	* Expiration Date:	12/31/9999			
Range of Equipment						
✓ All Equipment:	SCAC(s):	Initial(s): AARX	Equipment Group(s): BOXC A CHSS CONT EOTD	Equipment:		
		Save Count Equipment Done				





RAILING Umler Equipment Management Information System

UMLER2 is signed on for company AARX - TEMPORARY MOVEMENT PERMIT

Home Querv Maintenance

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Administer Access Rights Involving Other Companies

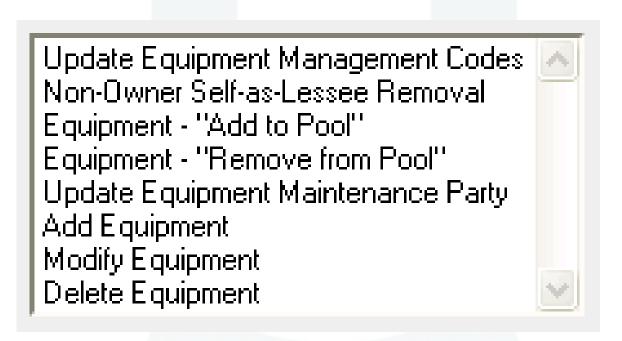
- Manage Inter-Company Access Rights / Profiles Granted by My Company
- Manage Inter-Company Access Rights Granted to My Company
- Manage Inter-Company Profiles Granted to My Company

Search User Access Rights

Search User Access Rights

UMLER2 is signed on for company AARE - RAILINC Umler Test Company Query Upload / Download Help Maintenance Account Administration Contact List Home Search Access Rights Search Cancel Results will include rights matching ALL of the following criteria. User ID(s): Access Right(s): Equipment Inspection Pool View Confidential Data Type Of Access: "Pool Management" - Assignment / Unassignment 🔨 Status: Active Add Equipment Inactive Add a Pool Header Air Brake Test Autorack Certification Autorack Inspection Autorack Repair Car Grade Inspection Delete Equipment Delete a Pool Header Timeframe of Authority Effective Date: ☶ **Expiration Date:** 04/01/2009 12-31-9999 Search Cancel

Umler Equipment rights already in Umler/EMIS 3.1





Umler/EMIS 3.1 users

SSO is set

Company Admins are in place

Normal users have no equipment permissions.



Umler users that have never logged into Umler/EMIS 3.1

New Umler users

- May need SSO ID
- Company Admin
- SSO permissions
- Umler Rights
- Training

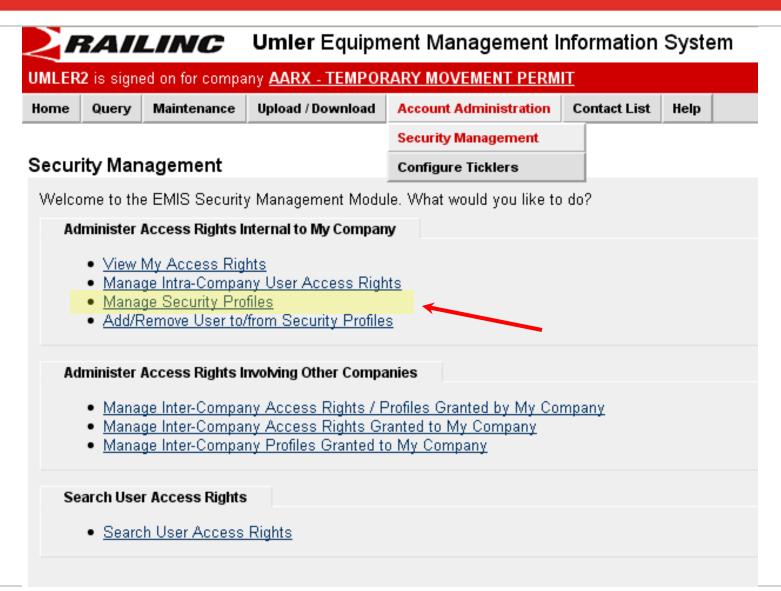


Best Practices





Best Practice - Profiles





Best Practice - Profiles

Assign user to Profiles

Car Management Profile (Pool Rights)

- Joe
- Steve

Equipment Management Profile (Add/Mod/Del)

- Ann
- Dave

Inspections Profile (Inspection Rights)

Barbara



Best Practice – Company Administrator



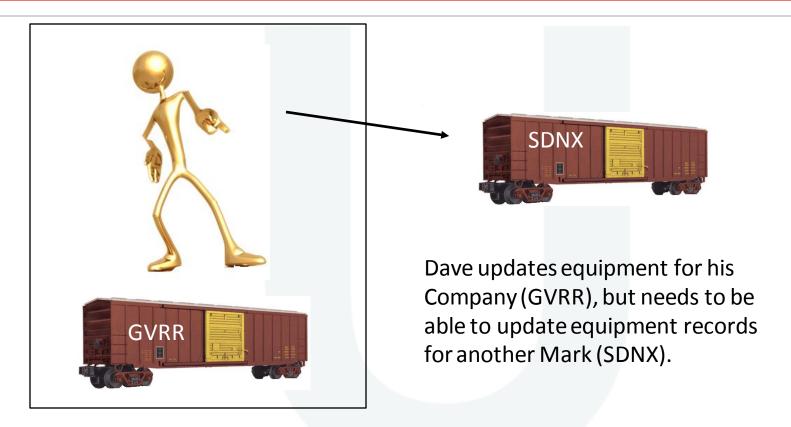
Ann is an Umler file maintainer for multiple marks, but also manages the rights for users of those Marks.



Ann will need SSO Company Admin permission for each of the Marks so she can login as that company and manage the intra and intercompany rights and permissions. Since she is also a Umler file maintainer, she will need the appropriate rights for each of those marks as well.



Best Practice – Modify equipment for another company



Dave will login to Umler for his company, but the SDNX company admin will need to grant modify equipment rights to Dave's company. Dave's company admin will accept the right and delegate it to Dave.

(Dave does not need any SSO permissions because he does not login as SDNX)



Ticklers

Sample Message

From: umler.system@railinc.com

[mailto:umler.system@railinc.com]

Sent: Today

To: umler@nscorp.com

Subject: Umler Information 120: NS 0000488281 was restenciled

NS 0000488281 was restenciled to AARE 0000123456.

If you have any questions about this email, please contact the Railinc

Customer Support Center at 800.544.7245 or e-mail <u>umler@railinc.com</u>.



Configure TicklersSpecify the e-mail address to receive notifications of the following events: (Use commas to separate multiple e-mail addresses.)

Enabled	Event Code	Event	E-Mail Address
	110	Warnings prior to deleting an idle pool header.	
	120	Equipment is dropped from a pool due to an update to equipment characteristic.	
	121	Maintenance Party updated for equipment.	
	130	A pool assignment reported by a non-owner fails.	
	190	A bulk upload by your company completes processing. (The notice contains the processing results for the uploaded transactions.)	
	200	Another company grants an inter-company access right to your company.	
	210	Another company revokes an inter-company access right from your company.	
	220	Another company accepts an inter-company access right granted by your company.	
	230	Another company declines an inter-company access right granted by your company.	
	240	Another company relinquishes an inter-company access right granted by your company.	
	270	Another company declines an access right transfer from your company.	
	300	Inspection reported with a Date Done earlier than the unit's Birth Date.	
	310	The transaction has caused the equipment unit to no longer qualify for this inspection.	
	330	Equipment status was changed by movement.	
	400	A batch process for Equipment Add transaction completes processing. (The notice contains the processing results for the submitted Add transactions.)	
	410	A batch process for Equipment Clone transaction completes processing. (The notice contains the processing results for the submitted Clone transactions.)	
	420	A batch process for Equipment Delete transaction completes processing. (The notice contains the processing results for the submitted Delete transactions.)	
	430	Another company Restencils an equipment owned by your company. (The notice contains the processing results for the submitted Restencil transactions.)	
	440	Prior equipment owned by your company made Inactive due to Restenciled equipment's status change to Active.	
	450	A batch process for Equipment Restencil transaction completes processing. (The notice contains the processing results for the submitted Restencil transactions.)	
	CFLT	Conflict creation/status warning notifications for the equipment.	

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