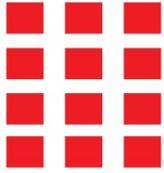


integrity



INTEGRATED SOLUTIONS

Qualifications

*Document created with reference to Controller firmware Vx.x.x.xxxxx
and Software version Vx.x.x.xxxx*

Introduction

Integriti User Qualifications allow users to grant and deny door access based on an Expiring or Credit Qualification.

Qualifications work by allowing a user access to a particular Door according to the validity of the Qualification and whether the user can otherwise access that door associated with the user.

A qualification controls user access by use of the 'When' characteristic of a door (or door list) permission. Any Doors / Door Lists with a qualification used in the 'When' permission will require a user with a valid Qualification in order to get access through that Door.



Qualifications can be configured in two ways – Expiring or Credit.

Both qualifications have two special properties – Warning Action and Expiry Action. The action is triggered once the specified value entered is reached. Once triggered, any combination of actions can be carried out.

Expiring Qualification

A user can be given a qualification that spans a predefined number of days. For example: A forklift operator might require a particular license that expires one year / 365 days from issue. An Expiring Qualification could be used if the forklift operator is only permitted to work within a secure location during the time their license is valid.

Credit Qualification

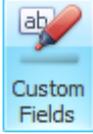
Users can be given a Credit Qualifications to limit the total number of entries to a defined door / door list. For example: An employee might pay in advance for use of an underground car park. Each time the user is granted access to the car park entry their Credit Qualification is reduced by 1. Once the count reaches 0 the user will be denied access.

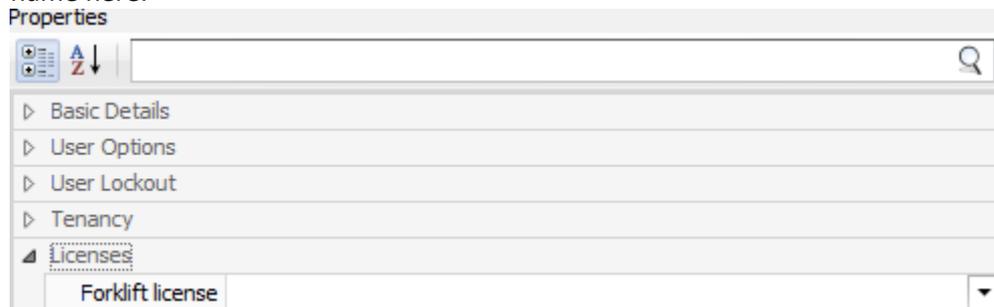
Credit qualifications use multiple triggers to credit and/or debit from the user's credit qualification.

Creating qualifications

In order to create qualifications, custom fields need to be created.

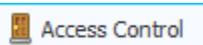
Creating a Custom Field...

1. Click on the  Administration tab followed by .
2. Click  Add New. The Editor Window for a new Custom Field should appear.
3. Give the Custom Field a name.
4. Make sure the Item Type is set to User.
5. The default Category Name is set to 'Custom Fields'. This name will appear in the user property grid. You can group multiple custom fields logically by specifying a custom name here.



6. Where Custom Fields are used as part of an expiring qualification, the Field Type Date should be used. For Custom Fields that are to be used as part of a credit qualification, Decimal should be used.
7. Mandatory and Default Value options can be set as required.
8. Save and close the Editor Window for the Custom Field.

Creating a Qualification...

1. Click on the  Access Control tab followed by .
2. Click  Add New. The Editor Window for a new User Qualification should appear.
3. Give the User Qualification a name.
4. Change the Qualification Type to Expiring or Credit.
5. Click on the ellipsis to the right of Associated Field.
6. Select the Custom Field you created earlier.
7. Triggers (Credit qualifications only):
 - Credit Qualifications can contain multiple filters, each with their own deductions and filter rules.
 - Credit triggers can be used to add or remove credits on a specific door (or doors).
 - Deductions can be a negative value if required.

- Expiry occurs when the credit value reaches or falls below 0.
- Each trigger filter has its own enable option.

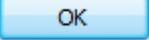
The following steps will take you through a typical scenario where user access granted to a door will credit/debit the users' credit qualification...

- Click  to add a new trigger filter.
- Leave the Enabled option ticked.
- Enter the amount to deduct. Set this option to a negative value if the filter is to add credits instead.
- Click  to add a filter row to the top level group.
- Change the first drop down combo box to 'Transition'.
- Change the second drop down combo box to 'Any Of'.
- Change the Multi-item selector to 'User Granted In'.



- Click .
- If you do not need to restrict the filter to one or many doors, skip to step 6.
- Change the top level group from Or to an And. .
- Click  to add a second filter row to the top level group.
- Change the first drop down combo box to '1st Entity'.
- Change the second drop down combo box to 'Any Of'.
- Change the Multi-item selector to the door (or doors) you want this filter to apply to.



- Click .

8. Warning Action:

- The configured Warning Actions will be carried out when the Warning Value/Time reaches or falls below its specified value.
- Only one warning will be generated per user when the warning threshold has been reached.
- Warning actions could be used to notify the user or a supervisor of an approaching expiry (e.g. a license expiry).
- The System Configuration Handbook appendices section F contains details on the various Action Types and their settings.

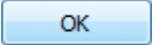
9. Expiry Action:

- The configured Expiry Actions will be carried out when the Expiry Value/Time reaches or falls below its specified value.
- The Expiry will only trigger once per user when the expiry threshold has been reached.
- The System Configuration Handbook appendices section F contains details on the various Action Types and their settings.

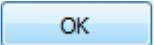
10. Save and close the Editor Window for the Custom Field.

Assign a qualification to a user ...

Qualifications can be assigned to users directly by adding an extra permission or permission group.

1. In the permissions for the User or the Permission Group, click on the  button.
2. Select the Door(s), or Door List(s) and click .
3. Click on the ellipsis () in the When parameter box for the newly added permission.

	What	Options	When	Is
  Allow	 Car Park	Entry / Exit	Always   	 Valid

4. Select the Qualification you created earlier from the window that appears and click .

	What	Options	When	Is
  Allow	 Car Park	Entry / Exit	  Car Park Credits	 Valid

5. Save and close the Editor Window for the User / Permission Group.