



COMPLETIONS USER GUIDE

SAFETY, QUALITY & COMMISSIONING

INEIGHT 

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LESSON 1 – LOGIN AND ACCESS HQ

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Install, launch, and login to InEight Completions
- Select a project
- Navigate between tabs

Topics in this Lesson

1.1 Initiate Application	12
1.2 Load and Access a Project	15
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1.1 INITIATE APPLICATION

NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

InEight Completions is a Windows application that is used for process and document management.

Your Completions Project Administrator should be responsible for creating user accounts, and also providing you with the proper credentials before downloading and installing the InEight Completions application.

NOTE**System recommendations:**

CPU: 64 bit Pentium 4 (x86or x64)

Operating System: Windows 7/8/10 64 bit (x64).HDD/SSD: 20GB available hard drive space

Memory: 8GB of RAM

Graphics: Integrated Graphics

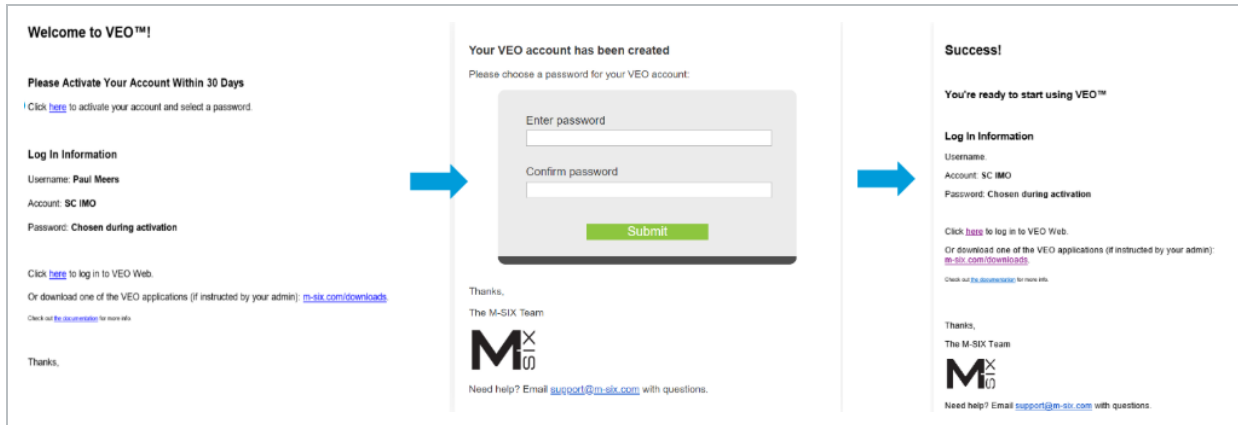
Solid State Drive is recommended.

1.1.1 Install, Launch, and Enter Login Credentials for InEight Completions

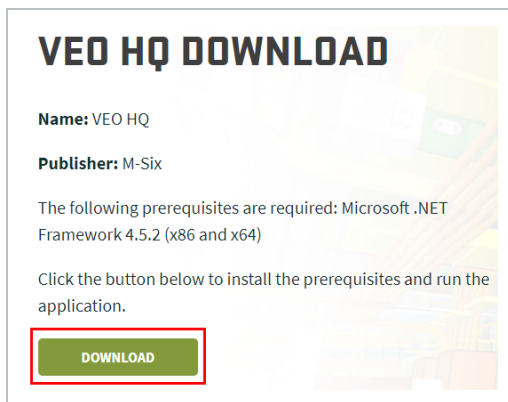
InEight Completions should only be installed if instructed by your Project Administrator.

1.1 Step by Step 1 — Download and Install InEight Completions

1. Once your project administrator creates your user account, and adds you to the system, you will receive an automatic email requesting you to **activate your account**, and set up your password.



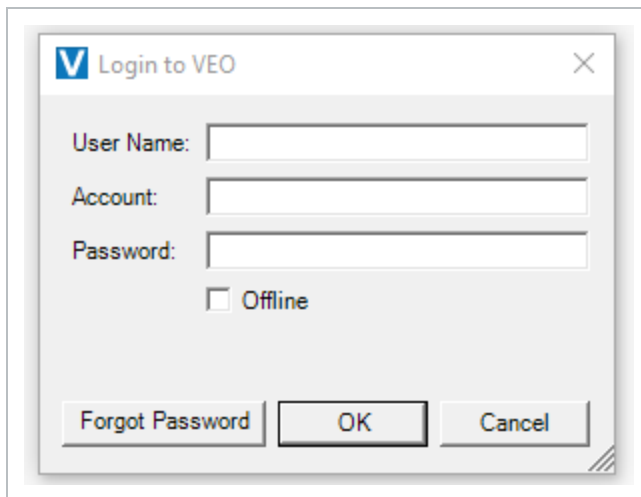
2. Download the **VEO HQ** installer from the Downloads page located on <https://ineight.com/veo-hq-installer/>.



- During installation, A VEO HQ icon gets created on your desktop for you to access. Once installed, the Login to VEO automatically appears on the screen

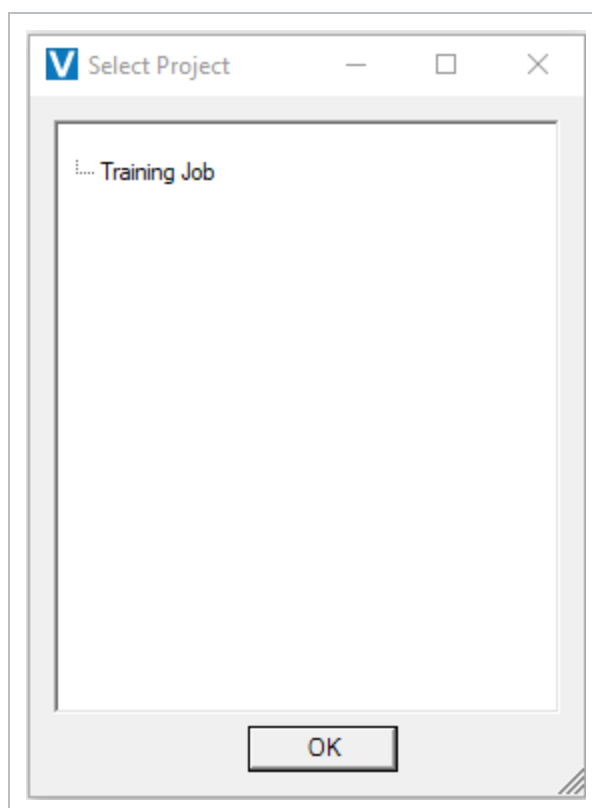


3. Once the Login to VEO pop-up window appears, enter in the credentials for **User Name**, **Account** provided by your administrator, and the **Password** you previously created.



4. Select **OK**

- Once logged in, the Select Project pop-up window appears where project selection occurs
- There can be one or many projects listed within the Select Project pop-up window



1.2 LOAD AND ACCESS A PROJECT

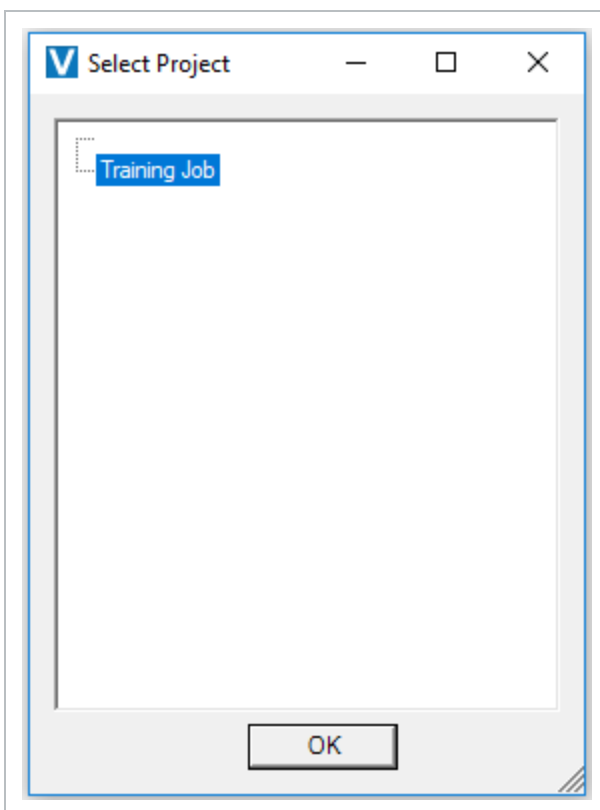
After downloading and installing InEight Completions, and entering in your credentials in the Login to Completions pop-up window, you are ready to:

- Select a project to load
- Enter in project information

1.2.1 Select a Project

1.2 Step by Step 1 — Select a Project and Enter Information

1. On the Select a Project window, **highlight a project**. Usually, there will be several projects to choose from.



2. Either **double-click** on the project, or select **OK** to load the project.

- The InEight Completions landing page appears
- In the example below, the first screen to appear is the Cx Items screen
- Visibility of tabs and their associated records are based on roles and permissions
- You can navigate between tabs such as Cx Items, Issues and Inspections

Cx Items

Project: Training Test AM

In Progress 4 Not Started 43 Civil 5 Instrumentation 11 MEP 28 Room 2 System 1

Showing 47 of 47 records

CLEAR FILTERS

Cx Item Id	Description	Responsible Team	Status	Location
C-CP-0101/P-0101	Pump Control Cable		Not Started	
Campus A / BLD-1 / Level 2 / 1-203				
CAMPUSA-UTLBD-LVL1-101	Utility Area		Not Started	
Campus A / Utility BLD / Level 1 / 1-101				
CAMPUSA-UTLBD-LVL1-203	Utility Room		In Progress	
Campus A / BLD-1 / Level 2 / 1-203				
CP-0101	Pump Control Panel		In Progress	
Campus A / BLD-1 / Level 2 / 1-203				
CT-0001	Cooling Tower		In Progress	
Campus A / BLD-1 / Level 1 / 1-101				
CTS-0001	Cooling Tower Structural Steel		In Progress	
Campus A / BLD-1 / Level 2 / 1-203				
CWR-0456-02	Cooling water return		Not Started	
Campus A / BLD-1 / Level 2 / 1-203				
CWS-0456-01	Cooling water supply		Not Started	
Campus A / BLD-1 / Level 2 / 1-203				
FP-CW-0001	Cooling Water System Flush Package		Not Started	
Campus A / BLD-1 / Level 2 / 1-203				
HEX-0001	Heat Exchanger		Not Started	
Campus A / Utility BLD / Level 1 / 1-101				
HEXS-0001	Heat Exchanger Structural Steel		Not Started	
Campus A / BLD-1 / Level 2 / 1-203				

View Cx Item Details > Reports...

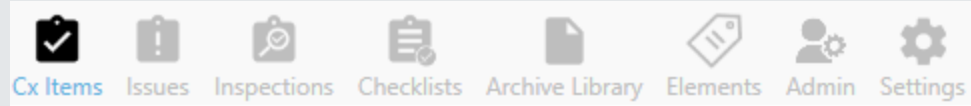
Cx Items Issues Inspections Checklists Archive Library Elements Admin Settings

Project loaded

NO PENDING UPDATES

NOTE

While working in one module, that selected module displays in black, while the other modules are dimmed. In the example below, the Inspections module is being utilized, therefore the remaining modules are not currently in use.

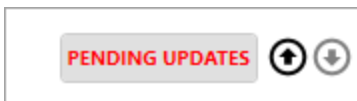


1.2.2 Update Project Status

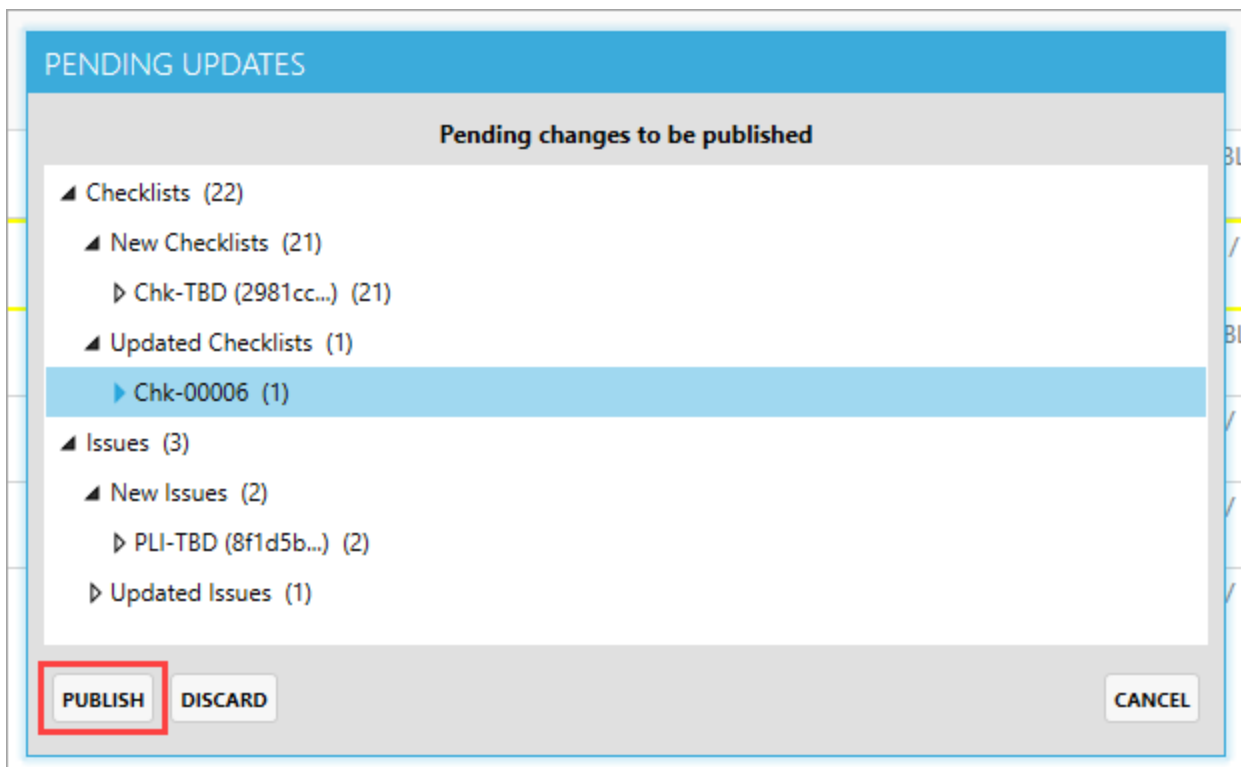
If you have made changes to your project, don't forget to address any pending issues.

1.2 Step by Step 2 — Update Changes

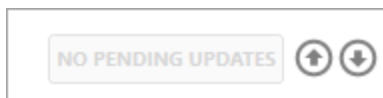
1. At the bottom of your screen, click on the **Pending Updates** button to see the many changes made.



2. As with other changes you make in Completions, cClick the **Publish** button to send all updates to the server.



- As a result, you will note the icon changes to No Pending Updates



Lesson 1 Review

1. Once InEight Completions is installed on your machine, after selecting a project, the module you are currently in displays as a black tab icon at the bottom of the screen.
 - a. True
 - b. False

2. InEight Completions is a Windows application used for _____ and document management.
 - a. Forecasting
 - b. Inventory
 - c. Process
 - d. Scheduling

3. Once your project administrator creates your user account, and adds you to the system, you will then:
 - a. Receive an email requesting to activate account
 - b. Be able to log into account
 - c. Log into your account and add new tabs
 - d. None of the above

Lesson 1 Summary

As a result of this lesson, you can:

- Install, launch, and login to InEight Completions
- Select a project
- Navigate between tabs

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LESSON 2 – CX ITEMS

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Select a Cx Item
- Update a Cx Item
- Close a Phase and Cx Item

Topics in this Lesson

2.1 Work with Cx Items	22
2.2 Cx Item Maintenance	31
2.3 Update and Close a Cx Item Phase	32
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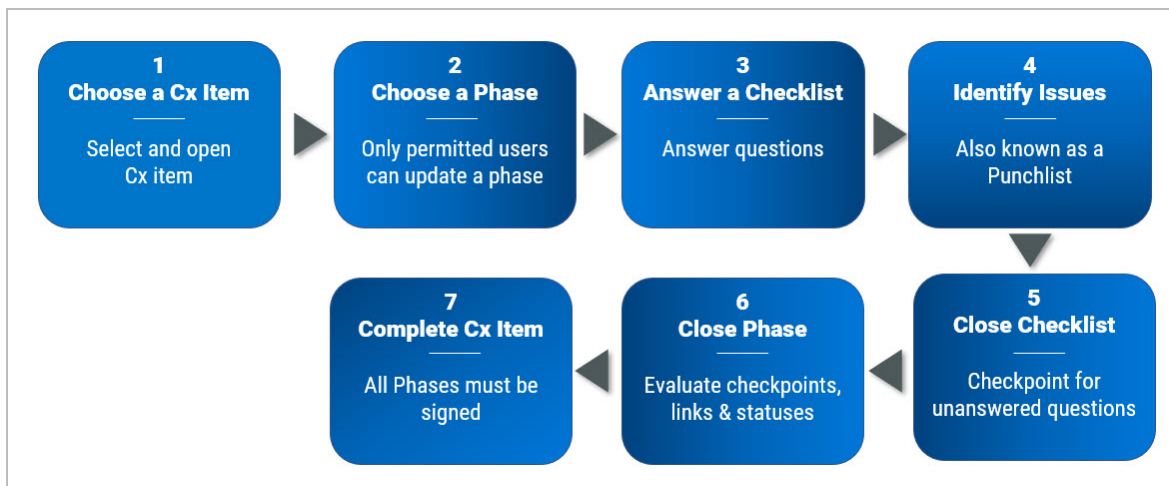
2.1 WORK WITH CX ITEMS

NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

Cx, or commissioning, is the last process that's required before reaching owner acceptance. That means as a permitted user, you will perform commissioning activities, steps and sign-offs along the way. Each step, or phase, is customizable per project to fit whatever workflow is required.

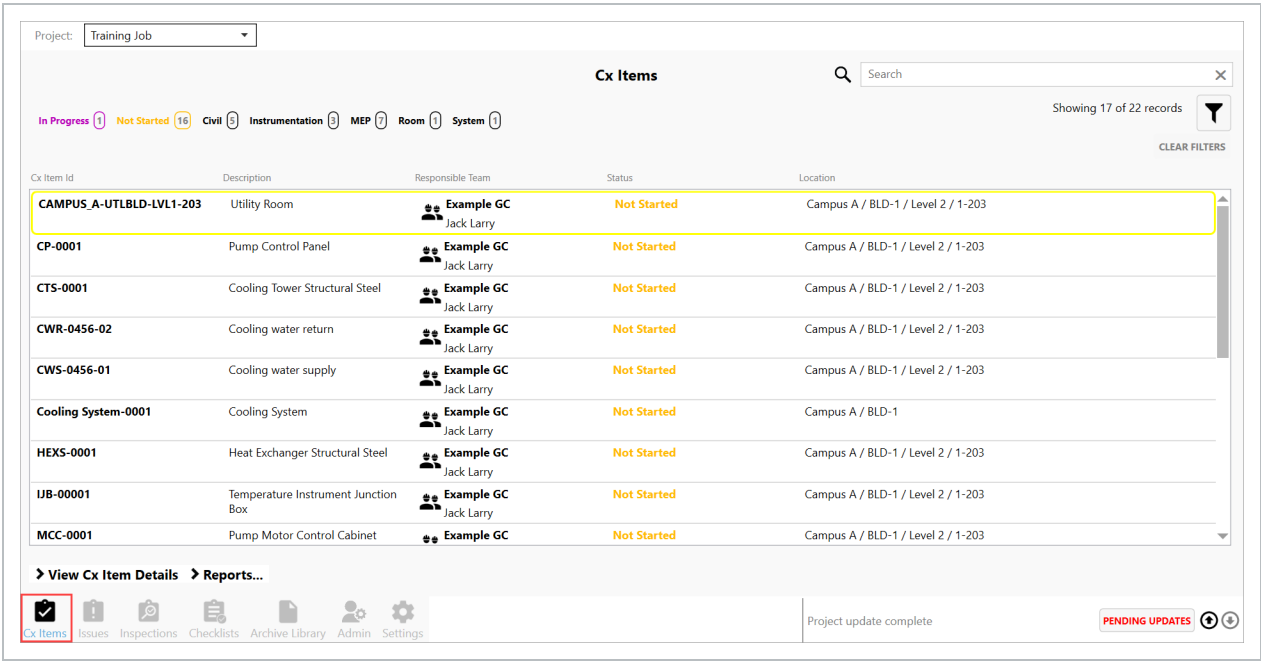
Along with the overall design of the project, your Project Administrator will assign roles to give to different Teams or individual Users which may limit your functionality based on the examples shown in these lessons.



Examples of Cx Items might include such things as loops, circuits, tags, system, and sub-systems.

2.1.1 Cx Item Screen Design

From within a project, clicking on the Cx Items module brings up a list of the Cx Item Id's.



Clicking on any line item, brings up that Cx Item Id.

From within the selected Cx Item Id, the screen is divided in two halves.

- The top portion includes all the metadata for the project, along with buttons to access Attachments, Checklists, Comments, Inspections and Issues. Clicking on any of these buttons take you to links specific to that project.
- The bottom portion of the screen identifies the sequence of each Phase of the project, as described below.

NOTE If you have to change the metadata for a project, contact your Project Administrator.

As shown above, when a Cx Item is first created, the phases, and their sequence, also get created by your Project Administrator.

Working through each phase and completing the required components are crucial to overall owner acceptance. As shown in the sample below, within an single Cx Item, the Phases, and their respective Status is shown.

Phase Name:	Status:	Forecast Start Date:	Phase List: Finish Date Actual:	Updated By:	Assigned To:
Installation	Complete	7/9/2019 12:00 AM	8/15/2019 4:30 PM	InEight jenny	InEight jenny
Design Verification	Complete	7/9/2019 12:00 AM	8/15/2019 5:00 PM	InEight jenny	InEight jenny
Quality	Complete	7/9/2019 12:00 AM	8/15/2019 5:16 PM	InEight jenny	InEight jenny
Safety	In Progress	7/3/2019 12:00 AM		InEight jenny	InEight jenny
Construction Complete	In Progress	7/21/2019 12:00 AM		InEight jenny	InEight jenny
Startup	Not Started	7/26/2019 12:00 AM		InEight jenny	InEight jenny
Functional Acceptance Testing	Not Started	8/8/2019 12:00 AM		InEight jenny	InEight jenny
Owner Acceptance	Not Started	8/17/2019 12:00 AM		InEight jenny	InEight jenny

NOTE

If interested in learning more about Reports, accessed by the > Reports tab, check out the Reports lesson.

PCP-0001	Pump Concrete Pad	Example GC Jack Larry	Not Started
PMP-0001	Cooling Water Circulation Pump	Example GC Jack Larry	In Progress
SKID-0001	Vendor Skid	Example GC Jack Larry	Not Started
SKIDS-0001	Skid Structural Steel	Example GC	Not Started

[View Cx Item Details](#)
[Reports...](#)

Cx Items
 Issues
 Inspections
 Checklists
 Archive Library
 Admin
 Settings

2.1.2 Phases

Making an update to a Phase begins by selecting a Cx Item.

With a **Cx Item** selected, a Phase is a discernible set of steps that need to be completed before the Commissioned Item gains Owner Acceptance. Phases are shown in sequence within a Phase List, and are color coded by the phrases Complete, In Progress and Not Started.

Within any phase the option may exist to add Attachments, Checklists, Comments or Issues.

- By clicking on the **Attachments** button, three options are available: Add a File from Archive Library, Add Attachment, or Download All. You can also click on an existing attachment's Download button which then allows you to View the attachment.
- By clicking on the **Checklists** button you access any pre-identified checklists that need to be completed. You can also click the Add Checklist button to create a new checklist.

- By clicking on the **Comments** button a free-form pop-up allows you to add notes about the phase when the Add Comment button is clicked.
- By clicking on the Issues button you can then click the Add Issue button to add an issue. Alternatively, you can also click on a given Issue to be brought to that screen where you can Update Phase Status, Reassign the Phase, Reschedule or Edit the Issue as your permission allows.

With the data of a specific Cx Item from the Upload File at the top of the page, the lower portion of the page identifies the Phase List. Columns include:

- Phase Name and who updated it last
- Status & to whom it's been assigned
- Forecast Start Date
- Finish Date Actual

VEO HQ

Project: Training Job

← Back to Cx Items

PMP-0001

<u>Template Name</u>	<u>Description</u>	<u>Status</u>
MEP	Cooling Water Circulation Pump	In Progress
<u>Location</u>	<u>Cx Item Type</u>	<u>Discipline</u>
Campus A / BLD-1 / Level 2 / 1-203	Element	Mechanical
<u>Responsible Team</u>	<u>Subcontractor</u>	<u>Owner</u>
Example GC Jack Larry	Mechanical Sub #1 Blackman Chris	Example Owner Team Bates Sharon
<u>Responsible Team</u>	<u>Start Date Forecast</u>	<u>Start Date Actual</u>
Example GC Jack Larry	7/3/2019 12:00 AM	8/15/2019 4:30 PM
<u>Finish Date Forecast</u>	<u>Finish Date Actual</u>	
8/19/2019 12:00 AM		

📎 Attachments 3

📋 Checklists 4

💬 Comments

🔍 Inspections 1

⚠️ Issues 2

📄 MORE INFO

Phase List:

Phase Name:	Status:	Forecast Start Date:	Finish Date Actual:
Updated By:	Assigned To:		
Installation	Complete	7/9/2019 12:00 AM	8/15/2019 4:30 PM
InEight jenny	InEight jenny		
Design Verification	Complete	7/9/2019 12:00 AM	8/15/2019 5:00 PM
InEight jenny	InEight jenny		
Quality	Complete	7/9/2019 12:00 AM	8/15/2019 5:16 PM
InEight jenny	InEight jenny		

➤ Update Phase Status

➤ Reassign Phase

📋 Cx Items

⚠️ Issues

🔍 Inspections

📋 Checklists

📄 Archive Library

⚙️ Settings

Project loaded

NO PENDING UPDATES

You can review data from Complete, In Progress or Not Started phases.

Complete phase tiles mimic the look of In Progress and Not Started tiles, with the exception of

- An electronic signature
- A Finish Date Actual
- Attachments, Checklists and Comments may also be present

The screenshot shows a 'Complete' phase tile for 'Installation' (PMP-0001). The tile includes a 'Back to Cx Items' button, a 'Phase Name' field, and a 'Status' field set to 'Complete'. The 'Forecast Start Date' is 7/9/2019 12:00 AM and the 'Finish Date Actual' is 8/15/2019 4:30 PM. The 'Assigned To' field shows 'InEight jenny' with a signature. The 'Description' field is empty. A red box highlights the 'Attachments', 'Checklists', 'Comments', and 'Issues' section on the right. Red arrows point from the signature and the 'Checklists' section to the 'Finish Date Actual' field.

Phase Name	Status	Forecast Start Date	Finish Date Actual
Installation	Complete	7/9/2019 12:00 AM	8/15/2019 4:30 PM
Design Verification	Complete	7/9/2019 12:00 AM	8/15/2019 5:00 PM

In Progress phases may certainly contain Attachments, Checklists, Comments and/or Issues as shown below:

The screenshot shows an 'In Progress' phase tile for 'Safety'. The tile includes a 'Phase Name' field, a 'Status' field set to 'In Progress', and a 'Forecast Start Date' of 7/3/2019 12:00 AM. The 'Assigned To' field shows 'InEight jenny' with a signature. The 'Description' field is empty. A red box highlights the 'Attachments', 'Checklists', 'Comments', and 'Issues' section on the right, which shows one item in each category.

Phase Name	Status	Forecast Start Date
Safety	In Progress	7/3/2019 12:00 AM

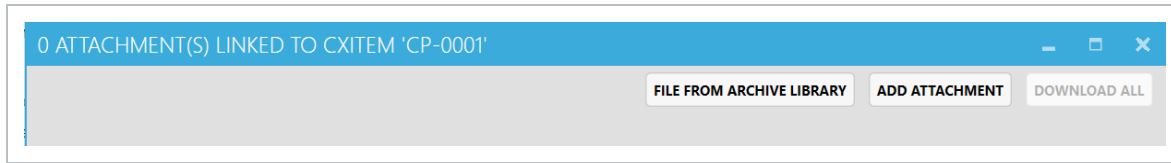
Phases that have Not Started may include Attachments, Checklists, Comments, or Issues.

The screenshot shows a 'Not Started' phase tile for 'Startup'. The tile includes a 'Phase Name' field, a 'Status' field set to 'Not Started', and a 'Forecast Start Date' of 7/26/2019 12:00 AM. The 'Assigned To' field shows 'InEight jenny' with a signature. The 'Description' field is empty. The 'Attachments', 'Checklists', 'Comments', and 'Issues' section on the right is visible but empty.

Phase Name	Status	Forecast Start Date
Startup	Not Started	7/26/2019 12:00 AM

2.1.2.1 Add an Attachment

To learn more about attachments, see the [Attachments](#) lesson.



2.1.2.2 Add or Link a Checklist

To learn more about checklists, see the [Checklists](#) lesson.



2.1.2.3 Add a Comment

Comments are tied to a specific Cx Item, in this case "CP-001."



2.1.2.4 Add or Link an Inspection

To learn more about inspections, see the [Inspections](#) lesson.



2.1.2.5 Add or Link an Issue

To learn more about issues, see the [Issues](#) lesson.

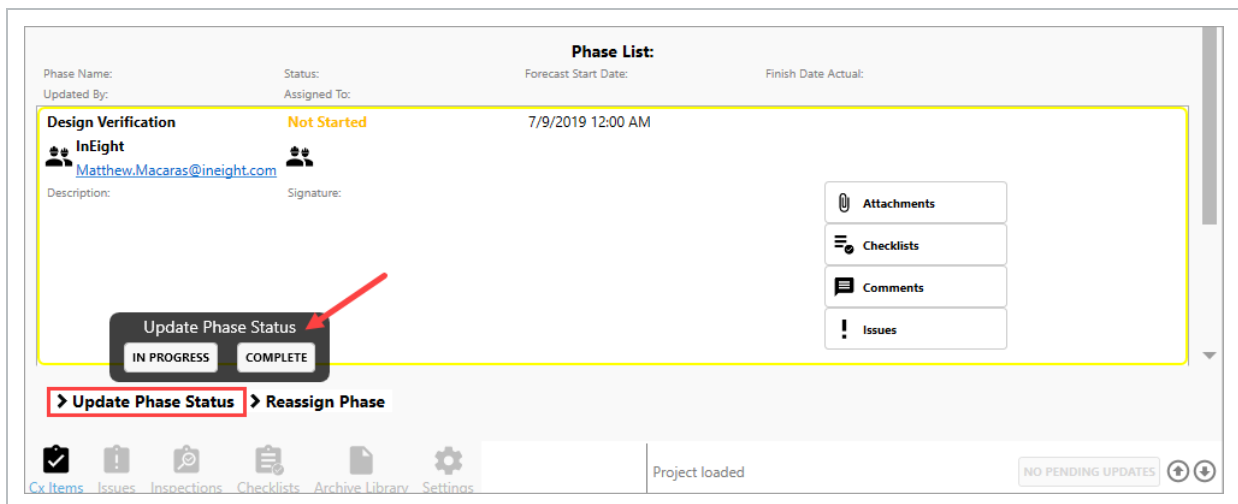


2.1.2.6 Updating Phase Status

With a Cx Item selected, and then a Phase selected, click the Update Phase Status link.

Three options are available:

- Permission Denied
- In Progress
- Complete



If the In Progress button is selected:

1. Add details to the Description field.
2. Change the Responsible Team, if appropriate.
3. Click OK.

TIP

If you've made an error, and didn't want to update the status, click **In Progress**, then **Cancel** in the subsequent pop-up window.

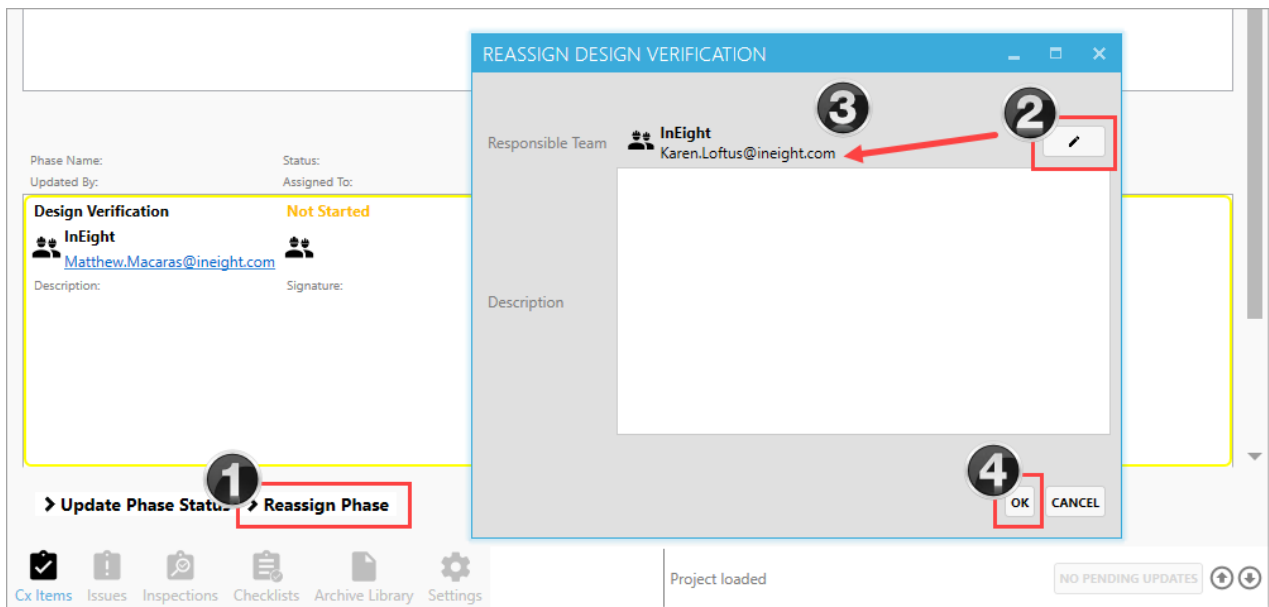


2.1.2.7 Reassign a Phase

While an individual will have ownership of a Phase, any phase can be re-assigned if you have the permission-level to do so.

2.1 Step by Step 1 — Reassign a Phase

1. From within the desired Cx Item, click on the **Reassign Phase** button.
2. Click on the **pencil** icon.
3. From the drop-down list, select the person/team to whom the phase is to be reassigned.

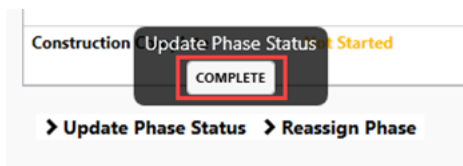
4. Click **OK**.

2.1.2.8 Complete a Phase

If you are ready to close out a phase, and all checklists are complete:

2.1 Step by Step 2 — Complete a Phase

1. From within the desired Cx Item, click **Update Phase Status**.
2. Click **Complete**.



3. In the pop-up window, add additional comments if necessary.
4. Click **OK**.
5. In the Signature pop-up, add your **signature**.
6. Click **OK**.

The complete Phase will show the status of Complete, along with a Finish Date Actual, and with the signature of the person.

2.2 CX ITEM MAINTENANCE

2.2.1 Update a Phase

Within any phase the option exists to add Attachments, Checklists, Comments or Issues.

- By clicking on the **Attachments** button, three options are available: Add a File from Archive Library, Add Attachment, or Download All. You can also click on an existing attachment's Download button which then allows you to View the attachment.
- By clicking on the **Checklists** button you access any pre-identified checklists that need to be completed. You can also click the Add Checklist button to create a new checklist.
- By clicking on the **Comments** button a free-form pop-up allows you to add notes about the phase when the Add Comment button is clicked.
- By clicking on the **Issues** button you can then click the Add Issue button to add an issue. Alternatively, you can also click on a given Issue to be brought to that screen where you can Update Phase Status, Reassign the Phase, Reschedule or Edit the Issue as your permission allows.

2.2.1.1 Update Phase Status

With a Cx Item selected, and then a Phase selected, click the **Update Phase Status** link.

Three options are available:

- Permission Denied
- In Progress
- Complete

If the In Progress button is selected:

1. Add details to the Description field.
2. Change the Responsible Team, if appropriate.
3. Click **OK**.

TIP

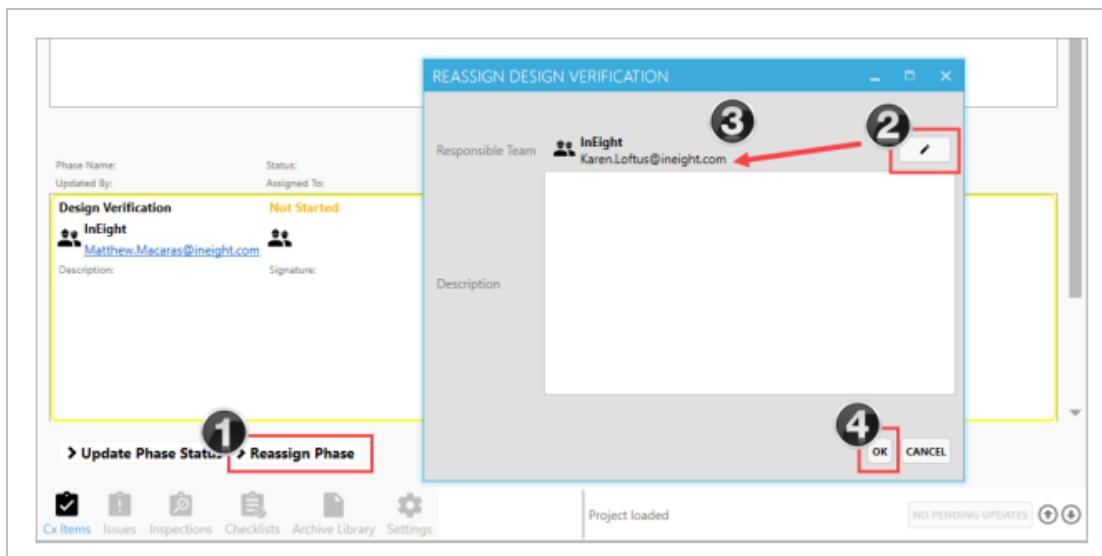
If you've made an error, and didn't want to update the status, click **In Progress**, then **Cancel** in the subsequent pop-up window.

2.2.2 Reassign a Phase

While an individual will have ownership of a Phase, any phase can be re-assigned if you have the permission-level to do so.

2.2 Step by Step 1 — Reassign a Phase

1. From within the desired Cx Item, click on the **Reassign Phase** button.
2. Click on the **pencil icon**.
3. From the drop-down list, select the **person/team** to whom the phase is to be reassigned.
4. Click **OK**.



2.3 UPDATE AND CLOSE A CX ITEM PHASE

2.3.1 Complete a Phase

If you are ready to close out a phase, and all checklists are complete:

2.3 Step by Step 1 — Complete a Phase

1. From within the desired Cx Item, click **Update Phase Status**.
2. Click **Complete**.

- 3. In the pop-up window, add additional comments if necessary.
- 4. Click **OK**.
- 5. In the Signature pop-up, add your **signature**.
- 6. Click **OK**.

The complete Phase will show the status of Complete, along with a Finish Date Actual, and with the signature of the person.

Phase List:					
Phase Name:	Status:	Forecast Start Date:	Finish Date Actual:	Updated By:	Assigned To:
Design Verification	Complete	7/9/2019 12:00 AM	2/24/2020 8:25 AM	InEight Karen.Loftus@ineight.com	InEight Karen.Loftus@ineight.com
Description: <add description here> Signature: 					
Attachments Checklists Comments Issues					
Qualify	Not Started	7/9/2019 12:00 AM		InEight	

Lesson 2 Review

1. Your Project Administrator will assign the same roles to different Teams or individual Users.
 - a. True
 - b. False

2. Once you click on a singular Cx Item Id, which components are shown? (select all that apply)
 - a. The metadata for the project
 - b. The sequence of each Phase of the project
 - c. The option to reassign a phase
 - d. The ability to update phase status
 - e. The ability to add or link to attachments, checklists, comments, inspections, and/or issues
 - f. Only options A, B & E
 - g. Options A through E

3. A Phase cannot be completed with open Issues.
 - a. True
 - b. False

Lesson 2 Summary

- Select a Cx Item
- Update a Cx Item
- Close a Phase and Cx Item

LESSON 3 – CHECKLISTS

Lesson Duration: 20 Minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Open & Close an Existing Checklist
- Create a new Checklist
- Add and modify data within a Checklist
- Reassign a Checklist
- Execute a Checklist
- Create a Checklist Placeholder

Topics in this Lesson

3.1 Create a Checklist	36
3.2 Checklist Placeholder	42
3.3 Manipulate and Answer a Checklist	47
3.4 Open and Close a Checklist	57
3.5 Paper Checklists	63
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3.1 CREATE A CHECKLIST

Checklists in InEight Completions are electronic forms that admin users can generate as a checklist template, which is a list of tasks required, things to be done, a reminder, and/or sign off. Generating checklist templates creates consistency when creating tasks.

Only Project Admins can import checklists via the checklist import tool which allows you to create or import new checklist templates into InEight Completions. The import tool also prevents double-imports by validating against existing checklist template names, and shows errors for missing or incorrectly-configured data.

You can create a checklist from any available Completion tab. As an example, you can create a checklist by selecting the **Inspections** tab.

NOTE The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

NOTE As with other components within Completions, the order in which you access the icons at the bottom of the screen depends on how your Project Administrator configured the system.

EXAMPLE: A technician has completed the HVAC unit installation and is now ready to complete the HVAC quality acceptance checklist. The technician navigates to the Checklists tab and Executes the checklist. The technician then documents the checklist's tasks for the day, and clicks Pending Updates. The technician can return to the checklist on subsequent days to complete the checklist, clicking Update Status to close the checklist.

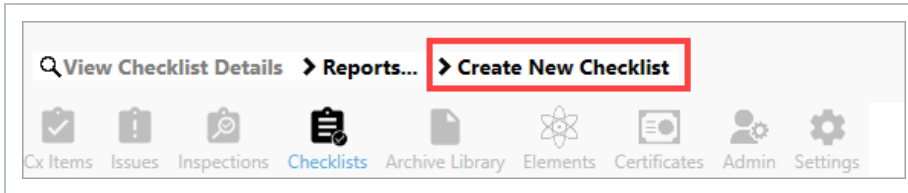
3.1.1 Create a Checklist

In order to create a standalone checklist, do the following:

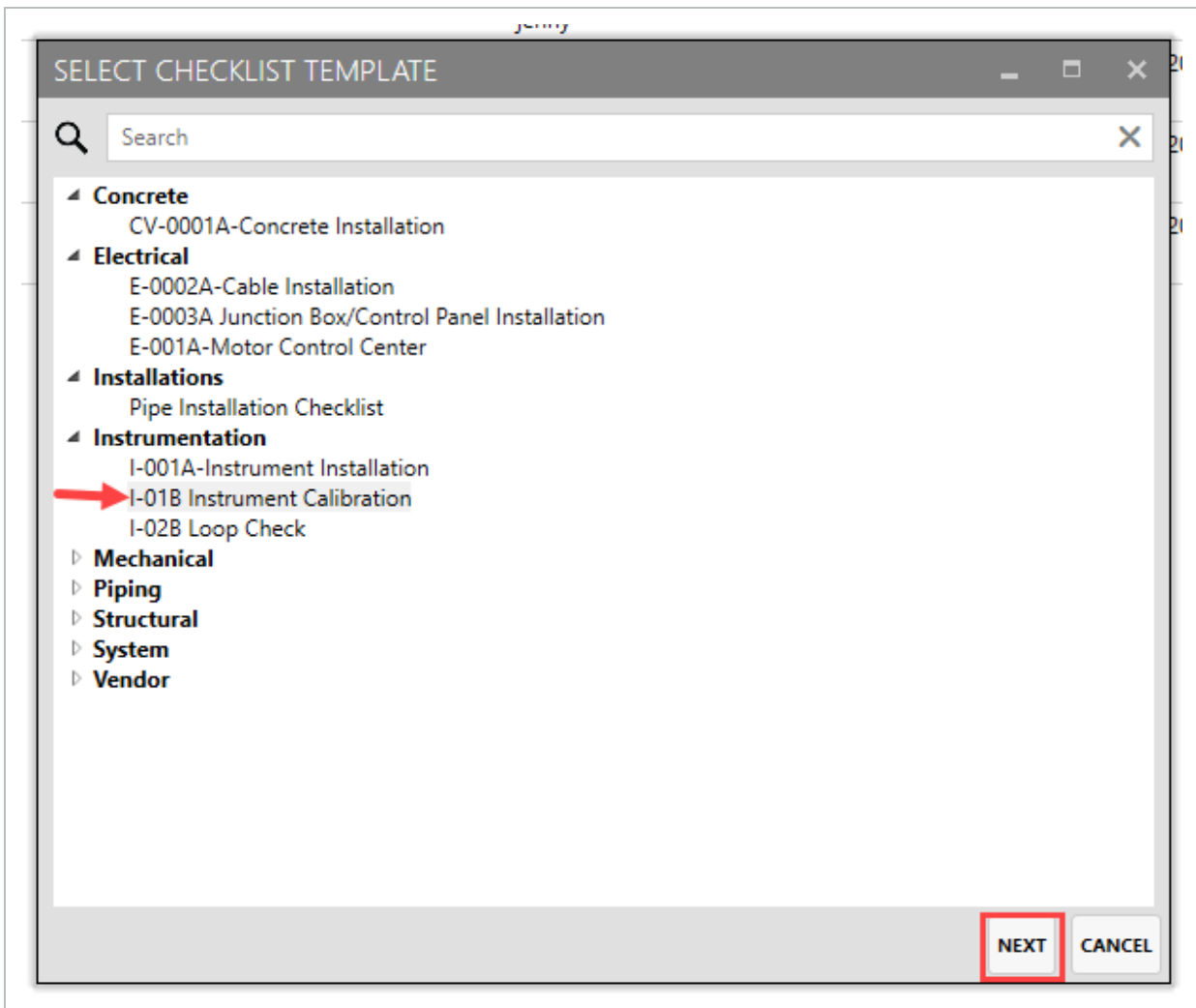
3.1 Step by Step 1 — Create a Standalone Checklist

1. Open a Project.
2. Click the **Checklists** button.

3. Click **Create New Checklists**.

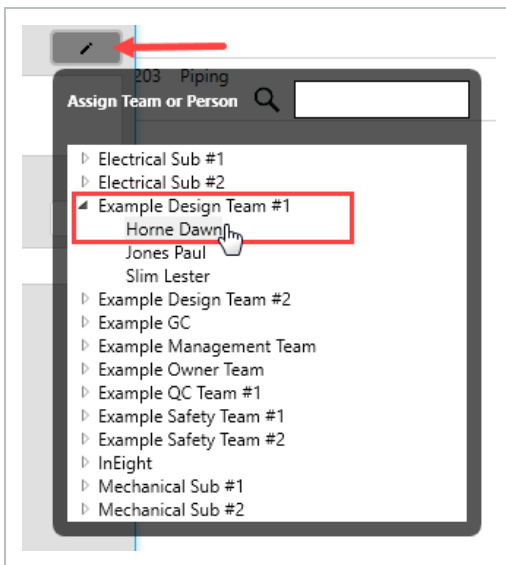


4. In the pop-up dialogue box, click on the system for which you want to create the new checklist, in this example, Instrument Calibration, then click **Next**.

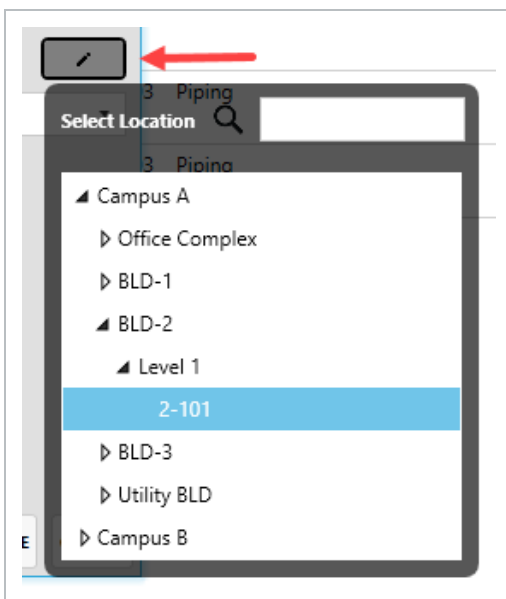


5. Click the **Assign Team or Person** button.

6. Select a **Responsible Team/Team Member**.



- By doing so, the Team or Person is automatically added to the dialogue box as the Responsible Team
7. Click **inside the Description box** and add a description for the new checklist.
 8. Click on the **Select Location** button.
 9. From the drop-down, select the appropriate location, knowing you may need to drill down to actual location within a complex or building, as shown below.



- By doing so, the location is automatically added to the dialogue box as the Location

SET REQUIRED CHECKLIST FIELDS

* Responsible Team **Example Design Team #1**
Horne Dawn

Description
(47 out of 750 characters)

* Location **Campus A / BLD-2 / Level 1 / 2-101**

Priority

*Required Field

CREATE CANCEL

10. Click the **Priority** drop down.

* Location **Campus A / BLD-2 / Level 1 / 2-101**

Priority

*Required Field

low
medium
high
critical

11. Select a **priority level**, medium in this case.

- By doing so, the priority level is automatically added to the dialogue box

12. Click **Create**.

SET REQUIRED CHECKLIST FIELDS

* Responsible Team **Example Design Team #1**
Horne Dawn

Description
(47 out of 750 characters)

* Location **Campus A / BLD-2 / Level 1 / 2-101**

Priority **medium**

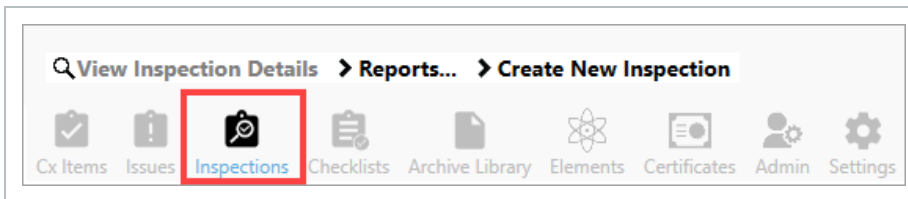
*Required Field

CREATE **CANCEL**

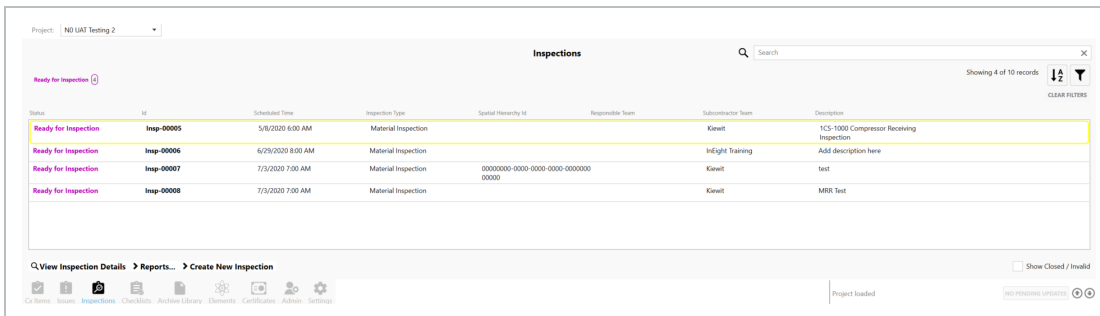
You can create a checklist from any available Completions tab.

3.1 Step by Step 2 — Create a Checklist from any Available Completions Tab

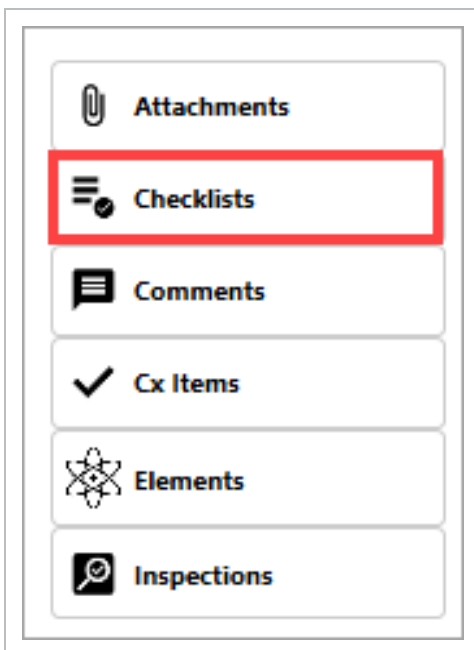
1. As an example, you can create a checklist by selecting the **Inspections** tab.



2. Select a specific **Inspection tile**.



3. Click **Checklists**.



There are two options for adding a checklist: either by creating a new one or linking to an existing checklist.

CREATE NEW**LINK EXISTING CHECKLIST(S)**

3.2 CHECKLIST PLACEHOLDER

NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ from what is shown.

As defined within the Create a Checklist topic, checklists are electronic forms that admin users can generate as a checklist template, which is a list of tasks required, things to be done, a reminder, and/or sign off. Generating checklist templates creates consistency when creating tasks.

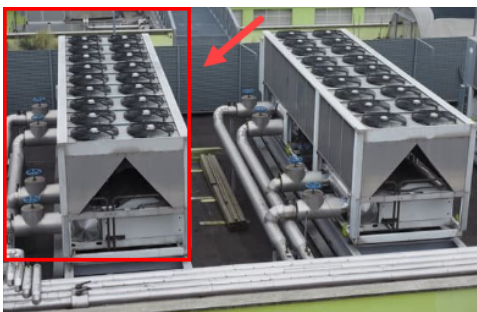
A **Checklist Placeholder** looks exactly like a Checklist Record. There is no differentiation between a Checklist and a Checklist Template, other than a placeholder checklist is not yet finalized and therefore cannot be edited. In order to use a Checklist Template it must first be executed.

For more information on Checklists, visit the "3.1 Create a Checklist" on page 36 topic.

Scenario

In general, quality controllers tend to have more interest in knowing how many checklists need to be completed per day, versus the amount of materials that needs to be installed on a given day.

A quality control engineer is ready to execute the Completions Checklists for section one of an HVAC system, located on the top floor of the building.



A portion of the HVAC work has already been completed and is ready for quality inspection. As the quality controller navigates to the checklist, he notices that the Answer boxes within the checklist are greyed out, and not able to be completed.

The QC engineer realizes that this is not yet an actual checklist, it's currently a checklist placeholder. In order to convert the checklist placeholder into an actual checklist, it must first be executed.

After selecting the Execute button on the bottom right of the screen, the system converts the Checklist Placeholder Records into Checklist Records.

When a checklist is executed, it becomes a snapshot at that point in time.

TIP

To ensure quality workmanship, each element will likely have one or more checklists, or placeholders if not yet finalized and executed.

Checklist Records are now ready to be filled out by the QC or person responsible for completing the checklist.

Answer:

Attachments Comments Issues Last Update: 6/19/2020 11:09 AM

Answer:

Attachments Comments Issues Last Update: 6/19/2020 11:09 AM

Answer:

Attachments Comments Issues Last Update: 6/19/2020 11:09 AM

Records now available for data entry.

Additionally, the Attachments, Comments, and Issues buttons are also available after the Execute button is selected.

Once all of the Answer boxes are completed, you can now publish and close the checklist.

3.2 Step by Step 1 — Convert a Checklist Placeholder to a Checklist

1. Click on the **Checklists** icon at the bottom of the screen.
 - The list of existing checklists appears
2. Search through the existing checklists, then double-click on an open checklist, such as Instrument Calibration in this example.

Checklists

closed 1 open 7 medium 1

Showing 8 of 8 records

CLEAR FILTERS

Status	Id	Checklist Template	Responsible Team	Location	Category
open	Chk-00006	I-01B Instrument Calibration	Example Design Team #1 Horne Dawn	Campus A / BLD-2 / Level 1 / 2-101	Instrumentation
open	Chk-00005	M-005A-Pump Alignment	InEight jenny	Campus A / Utility BLD / Level 1 / 1-101	Mechanical
open	Chk-00004	Example Checklist	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Vendor
open	Chk-00003	M-04B Centrifugal Pump	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical
open	Chk-00002	M-005A-Pump Alignment	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical
closed	Chk-00001	M-001A-Equipment Setting	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical

- The given checklist appears

NOTE

Clicking on the checklist once places a yellow box around the checklist. Clicking on the checklist a second time opens it.

3. Expand one of the **Categories** so that the questions appear.

Category Header

Category Header

Tag Number

Tag Description

Subsystem Number

Answer

Attachments

Comments

Issues

Last Update: 6/11/2020 12:39 PM

Answer

Attachments

Comments

Issues

Last Update: 6/11/2020 12:39 PM

Answer

Attachments

Comments

Issues

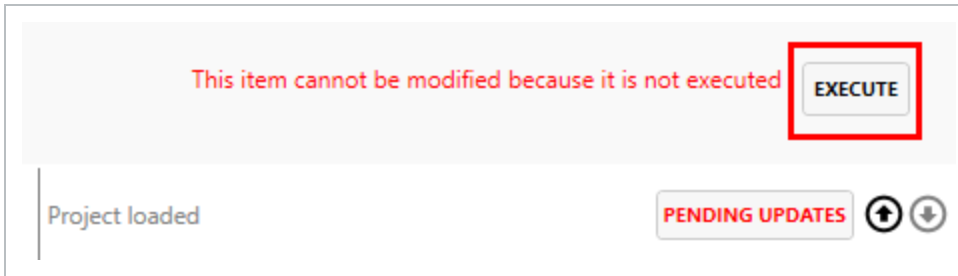
Last Update: 6/11/2020 12:39 PM

- Notice how the Answer checkbox is greyed out, along with the Last Update checkbox

NOTE

Categories can include such rows as Header, General, and Acceptance, but can vary from project to project.

4. Select the **Execute** button at the bottom right of the screen.

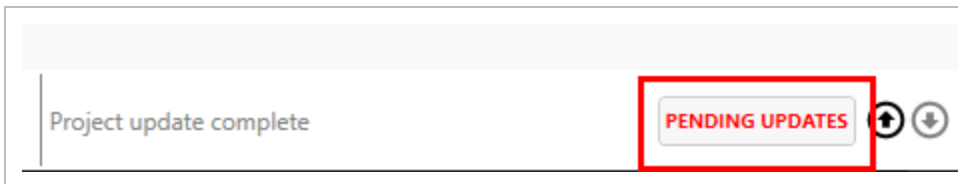


- The Execute button converts the Checklist Placeholder into a Checklist
- Once executed, notice how the Answer checkboxes are now editable

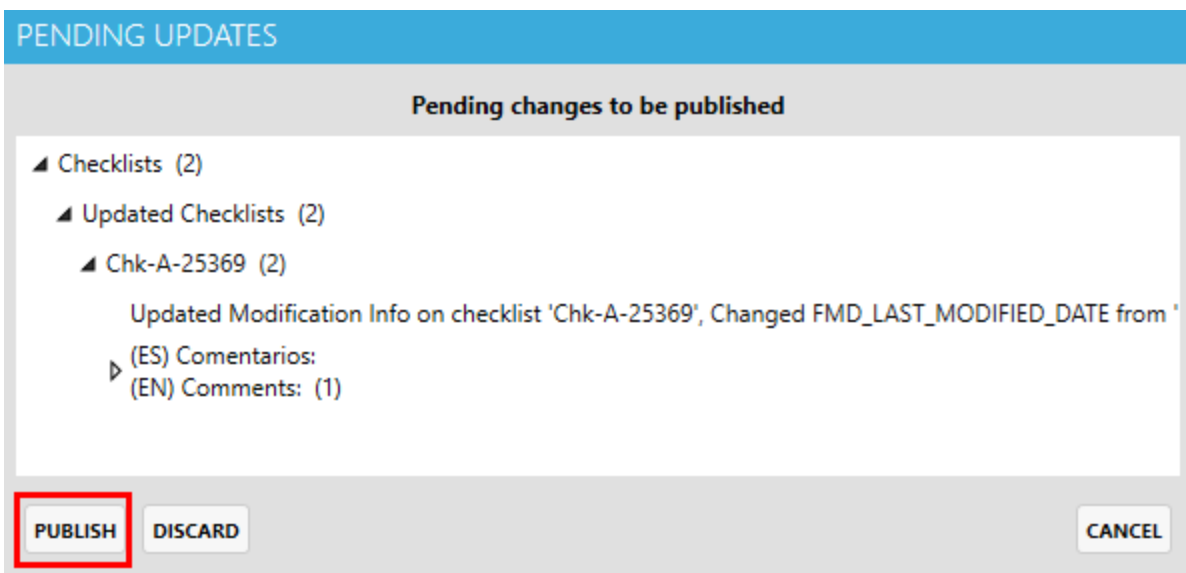
NOTE

After selecting the Execute button, the system pulls in the current template that is associated with this checklist.

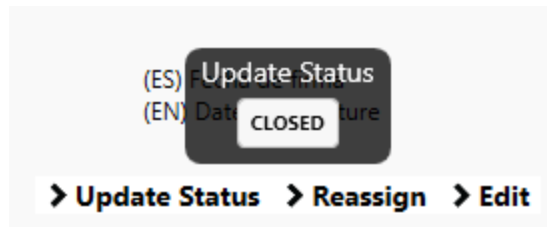
5. Select the **Pending Updates** button.



6. Select **Publish**.



7. Click on the **Update Status** menu option and select **Closed**.



3.3 MANIPULATE AND ANSWER A CHECKLIST

Open checklists are checklists that have not yet been executed, do not have answers, or haven't been finalized and closed.

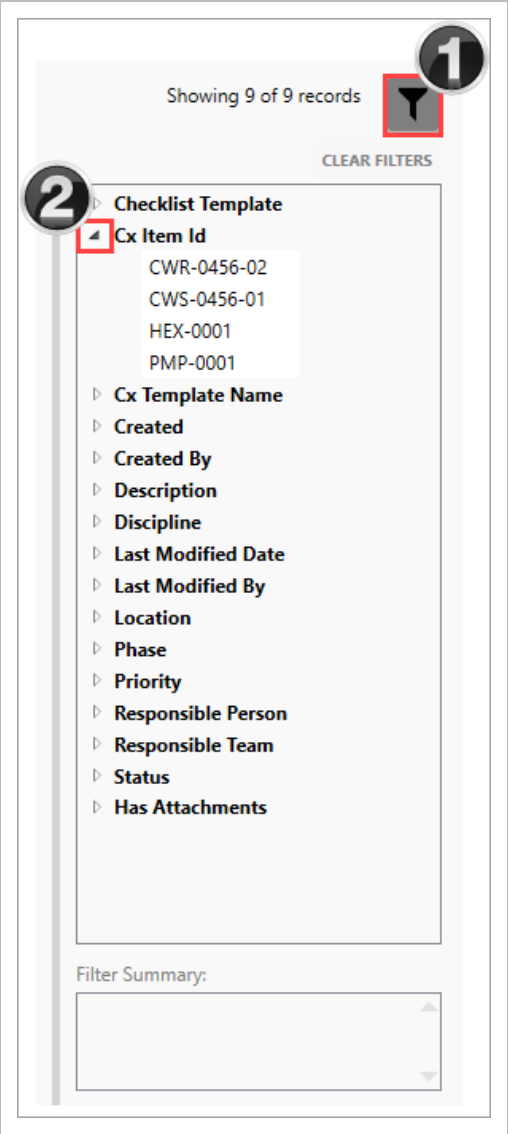
3.3.1 Locate a Checklist

On the main Checklists page, you are able to quickly jump to the desired checklist in two ways:

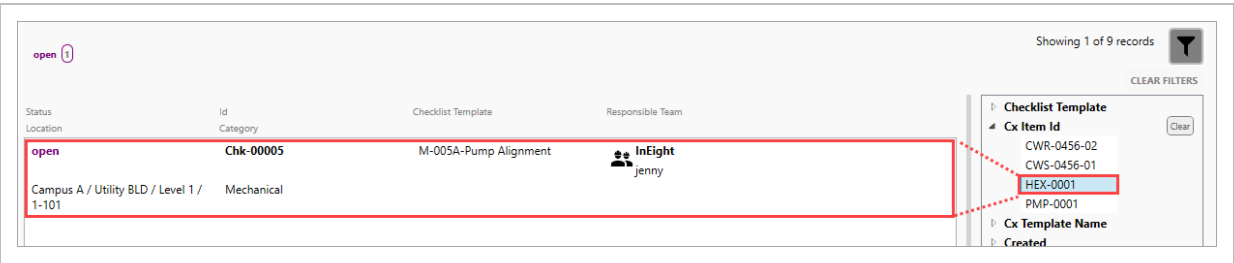
1. Using the Filter function.
2. Clicking on the Closed / Open / High / Medium buttons or as defined by your ADMIN.

3.3 Step by Step 1 — Filter to Locate a Checklist

1. From the main Checklists page, click on the **Filters** button.
 - In this case there are 9 records
2. Click on any of the carrots preceding an item, in this case by **Cx Item Id**.



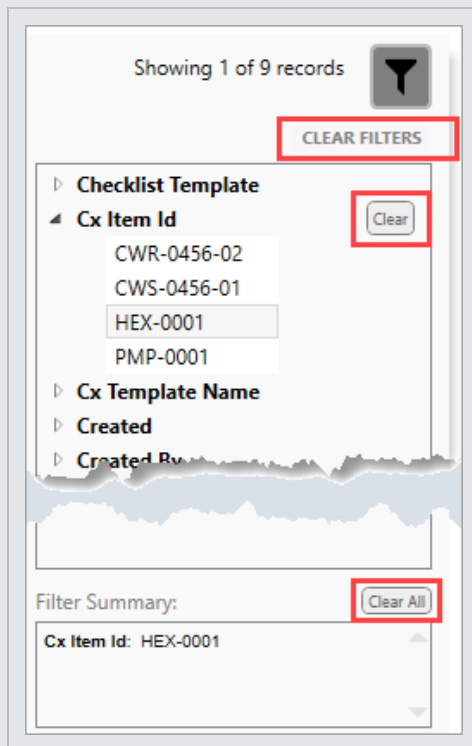
3. Click on an item from the drop down, in this case the **HEX-0001**.



4. Double-click on the checklist to open.

TIP

Click either the **Clear Filters**, **Clear** or **Clear All** buttons to remove filtering.



The second way to quickly jump to a checklist from within the Checklists page is to click on any of the **Closed / Open / High / Medium / Low** or otherwise defined buttons. Using this functionality might be important if you are seeking:

- All the **Closed** checklists, regardless of ID, Responsible Person, Location, or Category
- All of the Open checklists so you can begin to prioritize your work, or the work of others

- In this example, there are no **Medium** or **Low** priority checklists

Project: NO UAT Testing 2

Checklists

Showing 24160 of 24160 records

closed 0 open 24153

Status	Spild	Template Name	Element Id	Responsible Team	Category
open	Chk-A-33869		LSHH-42135		Instrumentation
BITR					
closed	Chk-A-39771		PT-41190		Instrumentation
BITR					
open	Chk-00040		LVF-PPL-01-BKR-12	Kiewit	Instrumentation
open	Chk-A-31799		HS-21672		Instrumentation
BITR					
open	Chk-A-43784		TW-1005C (X20692)		
BITR					
open	Chk-A-45150		VLP-872021		
AITR					
open	Chk-A-45123		VIB-802001		
AITR					
open	Chk-A-37604		PIT-1103 (X22196)		
BITR					
open	Chk-A-38098		PIT-31413C		

View Checklist Details

Reports...

Create New Checklist

Cx Items

Issues

Inspections

Checklists

Archive Library

Elements

Certificates

Admin

Settings

Project update complete

NO PENDING UPDATES

Notice once you click on any one of those buttons, the checklist records page is narrowed, in this case to five closed items.

closed 5

Checklists

Showing 5 of 24160 records

Status	Spild	Template Name	Element Id	Responsible Team	Category
closed	Chk-A-38342		PIT-5100 (X22240)		Instrumentation
BITR					
closed	Chk-A-25830		AE-18200124		Instrumentation
BITR					
closed	Chk-A-27068		FCPS-9		Electrical
AITR					
closed	Chk-A-25126		3R-6720010102		Electrical
AITR					
closed	Chk-A-39771		PT-41190		Instrumentation
BITR					

3.3.2 Navigate a Checklist

Within a checklist, there are many options. Some functions are about editing the checklist, while others are about navigating to and from the checklist. In the table below, each aspect is described.

Item	Description
1	Name of the Checklist by ID and Checklist Template name.
2	Data from the checklist regarding the checklist including Status, Category, Responsible Team, Description, Location and Priority, Element Id, Sub type, Priority and Creation, Modification & Resolution information.
3	Depending on project configurations and/or your role, each button creates links or new records with links where you can, at minimum, add new Attachments, Comments, Cx Items, Elements, Inspections and/or Issues.
4	A cascading drop-down, by category, of questions with room for question-specific responses.
5	While project/role/workflow specific, additional pop-ups appear when each of the buttons is clicked. Updating a Status is the first option, Reassigning the Checklist Template option is the second and Editing the primary checklist field is the third option.
6	This button returns you back to the previous window.
7	When On, the External Mode expects to receive a scan of the checklist PDF with a QR code using the ADMIN module, taking the scan to complete the checklist.

The screenshot displays the InEight Checklist interface. At the top, a project dropdown is set to 'NO UAT Testing 2'. A 'Back to Checklists' button is on the left. The main header shows 'Chk-A-38342: I-08A Instrument Installation'. A table lists checklist details: Status (closed), Category (Instrumentation), Responsible Team (Kiewit Zach Dill), Last Modified By (Kiewit Zach Dill), Last Modified Date (6/25/2020 6:25 AM), Description, Location, Element Id (PIT-5100 (X22240)), sub type (PRESSURE TRANSMITTER), Priority, Resolution Date (6/25/2020 6:25 AM), Resolved By, Resolution Note, and Checklist Type (BITR). On the right, a sidebar contains links for Attachments, Comments, Cx Items, Elements, Inspections, and Issues. Below the table, a 'Show Resolved' section shows 'Questions: 27 questions / 27 unresolved' and a 'Checklist Questions' section with 'EXPAND ALL' and 'COLLAPSE ALL' buttons. At the bottom, a navigation bar includes 'Update Status', 'Reassign', and 'Edit' buttons. A footer message states 'You do not have permission to modify this item.' The bottom navigation bar includes icons for Cx Items, Issues, Inspections, Checklists, Archive Library, Elements, Certificates, Admin, and Settings. A status bar at the bottom indicates 'Project update complete' and 'NO PENDING UPDATES'.

NOTE

The below Checklist Issue image shows an extension of TBD under the Id field. This is because the Issue has not yet been published. Once published to the server, the TBD's will turn into a numerical reference point for the Id.

Status	Due Date	Id	Issue History:	Updated By
New	3/5/2020 8:00 AM	PLI-TBD-HIST-TBD	Assigned To: InEight Karen.Loftus@ineight.com	Updated By: InEight Karen.Loftus@ineight.com

3.3.3 Link Data to a Checklist

Within a checklist, users are able to link data such as issues, attachments, and comments based on user permissions.

← Back to 04-DEVICENET POWER SUPPLY: **Chk-A-33869: I-08A Instrument Installation** External Mode On

Status: open	Category: Instrumentation	Responsible Team:	Last Modified By: M-SIX alex.mazepa	Last Modified Date: 6/11/2020 12:39 PM
Description:		Location:	Element Id: LSHH-42135	
sub type: LEVEL SWITCH HIGH HIGH	Priority:	Resolution Date:	Resolved By:	
Resolution Note:	Checklist Type: BITR			

Attachments
Comments
Cx Items
Elements
Inspections
Issues

Show Resolved: ☒ Questions: 27 questions / 27 unresolved Checklist Questions: EXPAND ALL COLLAPSE ALL

Category: Header
Category: General
Category: Acceptance

Using the first Equipment Inspection checklist item, simply checking the **YES** button makes the green check box appear.

Show Resolved: ☒ Questions: 20 questions / 20 unresolved Checklist Questions: EXPAND ALL COLLAPSE ALL

Category: General
Category: Equipment Inspection

Component detail (type, quantity, materials, etc) match current datasheet

IP ratings of enclosures, cable glands & sealing washers are hazardous area compliant

Yes No N/A

Attachments Comments Issues Last Update: 2/20/2020 2:02 PM

Yes No N/A

Attachments Comments Issues Last Update: 2/20/2020 7:26 AM

Alternatively, selecting a **NO** response turns the item into a red X, and a new pop-up appears asking if you'd like to create a new issue.

The screenshot displays a checklist interface. At the top, it shows 'Show Resolved: [checked] Questions: 20 questions / 20 unresolved' and 'Checklist Questions: EXPAND ALL COLLAPSE ALL'. The checklist is categorized by 'General' and 'Equipment Inspection'. The first item is 'Component detail (type, quantity, materials, etc) match current datasheet'. The second item is 'IP ratings of enclosures, cable glands & sealing washers are hazardous area compliant'. The third item is 'Tags & signage meet project language requirements & are visible'. For the third item, the 'No' response is selected, and a 'New Issue?' pop-up dialog is displayed. The dialog asks 'Would you like to create a new issue?' with 'Yes' and 'No' buttons. A red arrow points from the 'No' button in the checklist item's action menu to the 'Issues' button in the checklist item's action menu.

TIP

If you create an issue from a question (with prompt or by a manual link using issues buttons) the question's issue description will get the question auto populated for convenience.

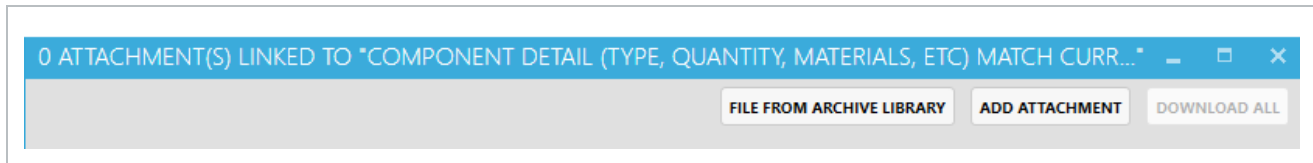
3.3.3.1 Link an Element

To learn more about elements, see the [Elements](#) lesson.

The screenshot shows a dialog box titled '1 ELEMENT(S) LINKED TO CHK-A-38342'. It has a close button (X) in the top right corner. Below the title bar, there are two buttons: 'ADD ELEMENT' and 'LINK EXISTING ELEMENT(S)'. The main content area shows a table with one row. The table has three columns: 'Element Id', 'Element Type', and 'Location'. The row contains the following data: 'PIT-5100 (X22240)' in the 'Element Id' column, 'TAGGED EQUIPMENT' in the 'Element Type' column, and an empty cell in the 'Location' column. There is a 'Hide' button in the top right corner of the table area.

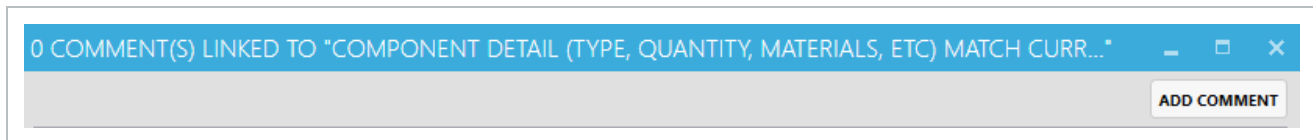
3.3.3.2 Add an Attachment

To learn more about attachments, see the [Attachments](#) lesson.



3.3.3.3 Add a Comment

Comments are tied to a specific checklist item, in this case "Component Detail."



3.3.3.4 Add or Link a Cx Item

If the **Link Existing CX item(s)** button is selected, a new pop-up window appears showing all of the Cx Items, that in our case, can be tied to the ID CHK-TBD: E-001A-Motor Control Center.

To learn more about Cx items, see the [Cx Items](#) lesson.



NOTE

As a configurable item, your project may not have Cx Items, or you may not have the permission to link to it.

3.3 Step by Step 2 — Link a Checklist to a Completions Tab

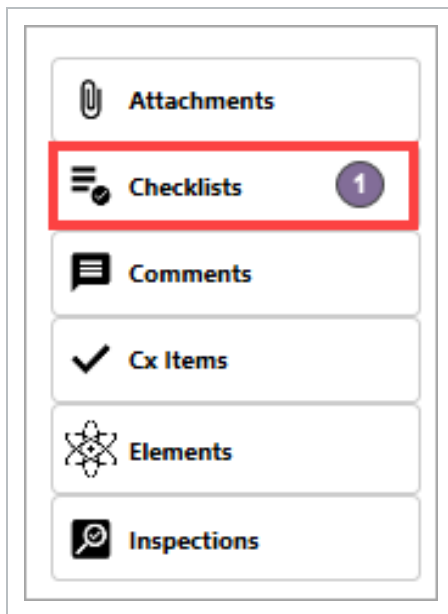
- From within a Cx Item, click the **Checklists** button, using our example.
 - While there may already be a checklist shown, you can also add other checklists to this Cx Item Id
- Click the **Link Existing Checklist(s)** button. Alternatively, "3.4 Open and Close a Checklist" on page 57 as in a previous lesson.
- Select the desired checklist to link.
 - By holding down the CTRL key, you can select multiple checklists

4. Click the **Link Selected Checklist(s)** button.

- A pop-up appears asking if you want to link the identified Cx Item(s)

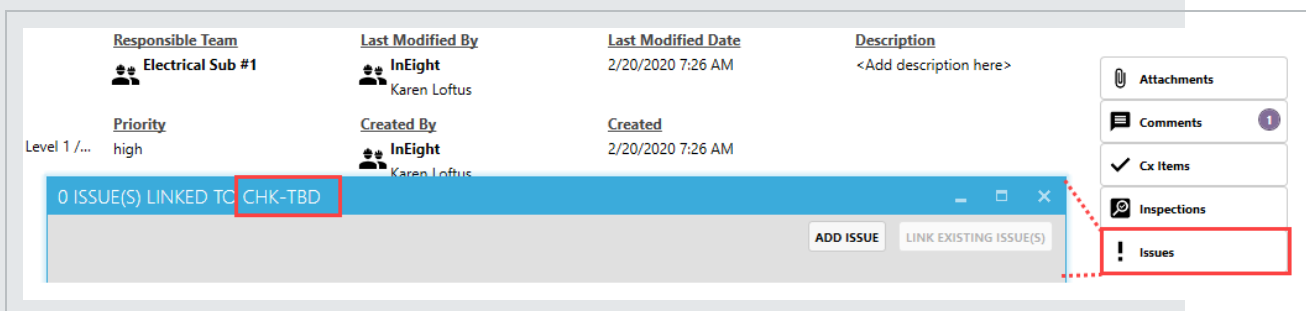
5. Check either Yes or No to confirm the linkage.

- If no, you will return to the same screen
- If yes, the Checklist(s) are linked and will appear on the Checklists' pop-up and a circled numeral will appear next to the Checklists button



TIP

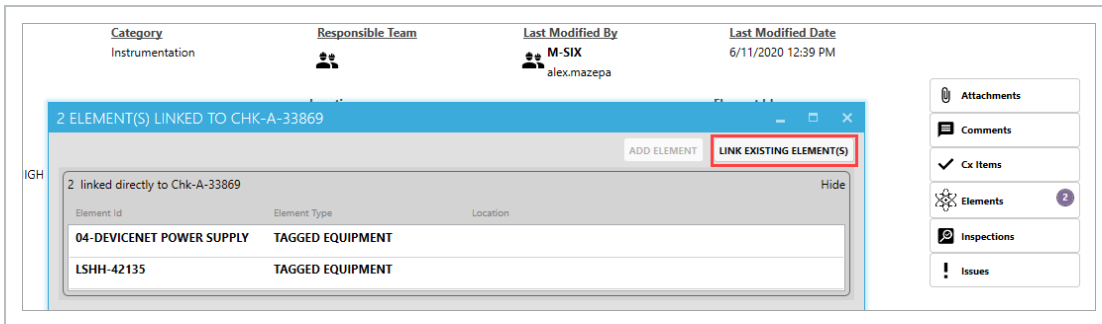
If you add an attachment, comment or issue at the top right side of the page, it is automatically linked to the specific record.



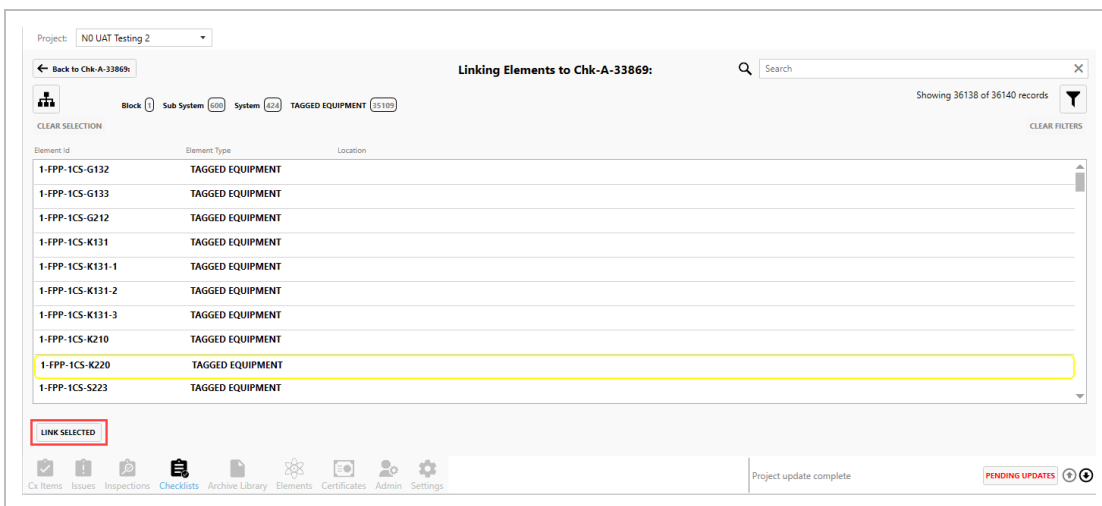
The following step by step outlines the process of linking an element to a checklist.

3.3 Step by Step 3 — Link an Element to a Checklist

1. From the Checklists tab, double-click on the desired Checklist.
2. Click on the **Elements** button.
3. Click the **Link Existing Element(s)** button.



4. In the resulting pop-up, select the desired **Element Id(s)**.
5. Click the **Link Selected** button.



1. Click **Yes** to confirm the linkage(s).
2. Click **Pending Changes** and then **Publish**.

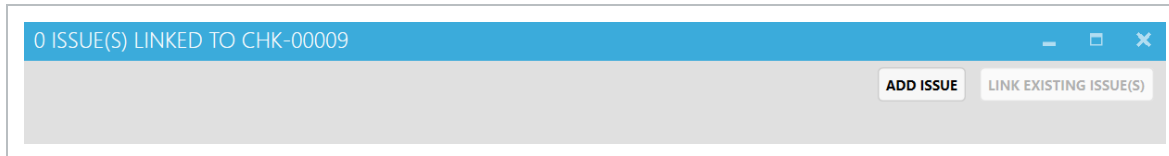
3.3.3.5 Add or Link an Inspection

To learn more about inspections, see the [Inspections](#) lesson.



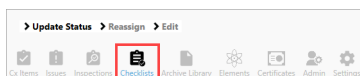
3.3.3.6 Add or Link an Issue

To learn more about issues, see the [Issues](#) lesson.



3.4 OPEN AND CLOSE A CHECKLIST

You can access Checklists by selecting the Checklists icon at the bottom of the screen.



3.4.1 Open a Checklist

3.4 Step by Step 1 — Open an Existing Checklist

1. Click on the **Checklists** icon at the bottom of the screen.
 - The list of existing checklists appears
2. Search through the existing checklists, then double-click on the desired checklist, Instrument Calibration in our example.

Checklists					
closed 1 open 7 medium 1		Showing 8 of 8 records		CLEAR FILTERS	
Status	Id	Checklist Template	Responsible Team	Location	Category
open	Chk-00006	I-018 Instrument Calibration	Example Design Team #1 Horne Dawn	Campus A / BLD-2 / Level 1 / 2-101	Instrumentation
open	Chk-00005	M-005A-Pump Alignment	InEight jenny	Campus A / Utility BLD / Level 1 / 1-101	Mechanical
open	Chk-00004	Example Checklist	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Vendor
open	Chk-00003	M-04B Centrifugal Pump	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical
open	Chk-00002	M-005A-Pump Alignment	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical
closed	Chk-00001	M-001A-Equipment Setting	InEight jenny	Campus A / BLD-1 / Level 2 / 1-203	Mechanical

- The given checklist appears

NOTE

Clicking on the checklist once, places a yellow box around the checklist. Clicking on the checklist a second time opens it.

Where available, you can also open a checklist from within a specific Cx Item, Issue, Inspection or Element. Though the Checklists button is available to select, it doesn't mean that each item has an existing checklist created, as shown in this Inspection.

Project: NO UAT Testing 2

Back to Issues

Subtype
PLI

Location
Campus 8

Last Modified
6/26/2020 7:54 AM

Resolution Note

Material Required

Issue Category A

Category
Mech

Last Modified By
InEight Training
Karen.Loftus

Summary
09 - Mechanical Tagging

Description
Add description here

Created
6/26/2020 7:54 AM

Responsible Team
InEight Training
Karen.Loftus

Created By
InEight Training
Karen.Loftus

Subcontractor

Due Date
6/29/2020 8:00 AM

Resolution Date

PLI-TBD: New

0 CHECKLIST(S) LINKED TO PLI-TBD

CREATE NEW LINK EXISTING CHECKLIST(S)

Attachments

Checklists

Comments

Cx Items

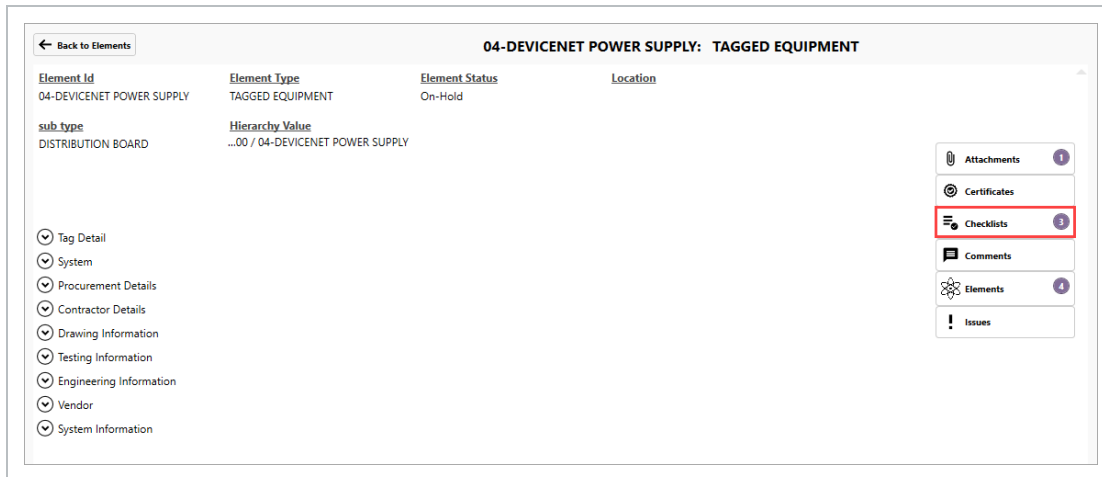
Elements

Inspections

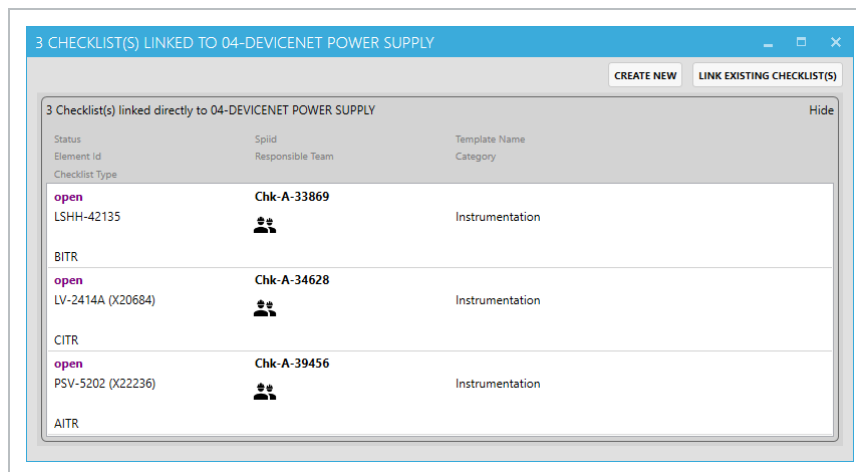
If there were a checklist to address, there would be a number to the right of the Checklists button.

3.4 Step by Step 2 — Open a Checklist From Within Another Tab

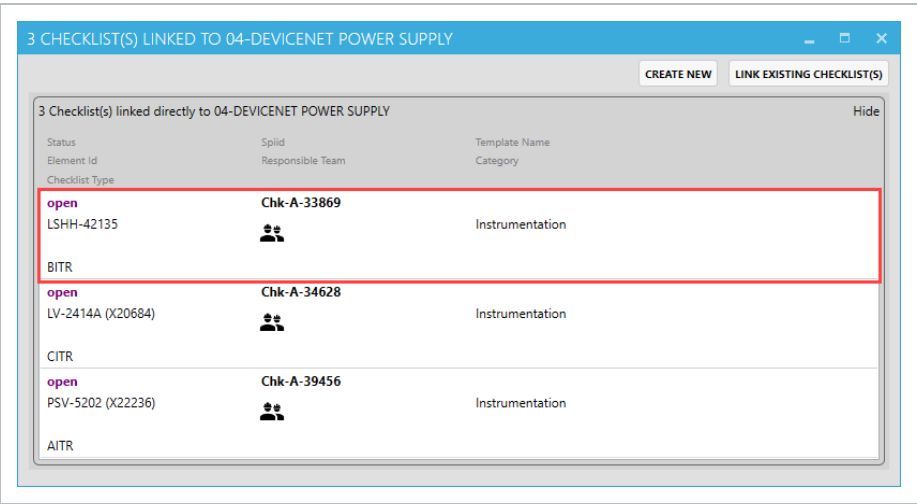
1. Open a **Cx Item, Issues, Inspections** or **Elements** tab.
2. Double-click on a specific item, in this case Element **04-DEVICENET POWER SUPPLY**.
3. Seeing there are 3 linked checklists, click on the **Checklists** button.



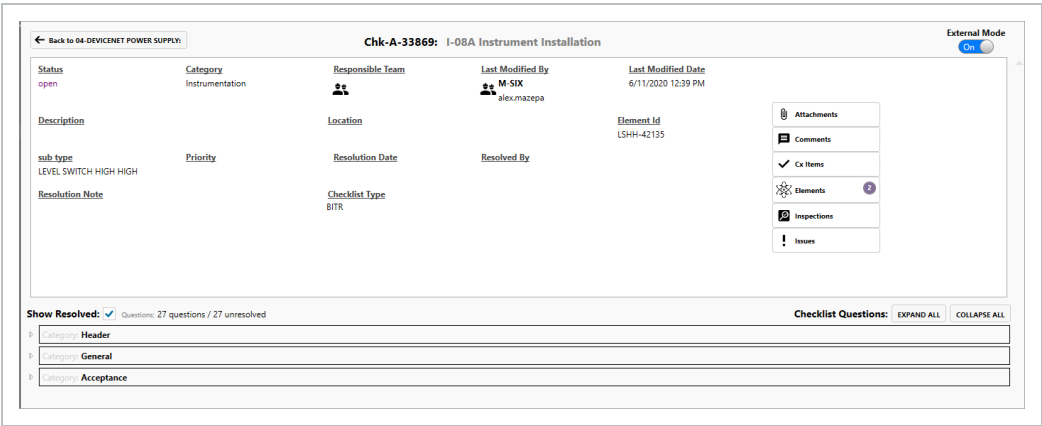
- In the pop-up box, the link of checklists appear



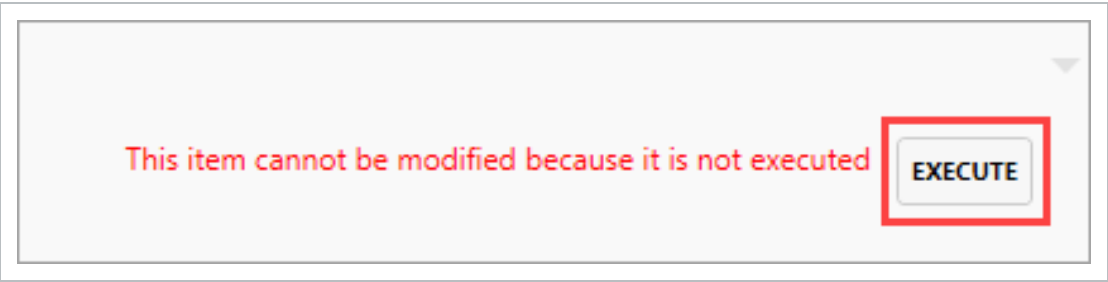
4. Double-click on a checklist, ID # **Chk-A-33869** is our example.



- The checklist appears

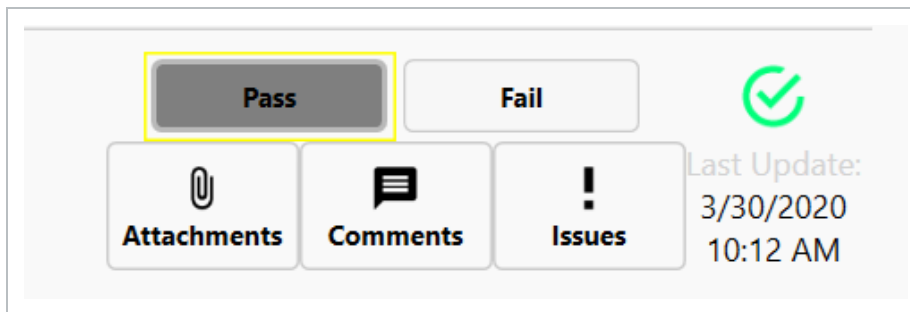


5. Assuming you have the authority to do so, click the **Execute** button, ensuring the most current Checklist is applied to the Element.



6. Click the **carrot** to the left of each Category to view each drop-down list of questions.

7. Answer each checklist question. Doing so turns the question into a resolved item -- with a green check mark appearing along the right column, and an update date and time.



The image shows a checklist resolution interface. At the top, there are two buttons: 'Pass' (highlighted with a yellow border) and 'Fail'. To the right of these buttons is a green checkmark icon. Below the 'Pass' button are three buttons: 'Attachments' (with a paperclip icon), 'Comments' (with a speech bubble icon), and 'Issues' (with an exclamation mark icon). To the right of these buttons is a 'Last Update' timestamp: '3/30/2020 10:12 AM'.

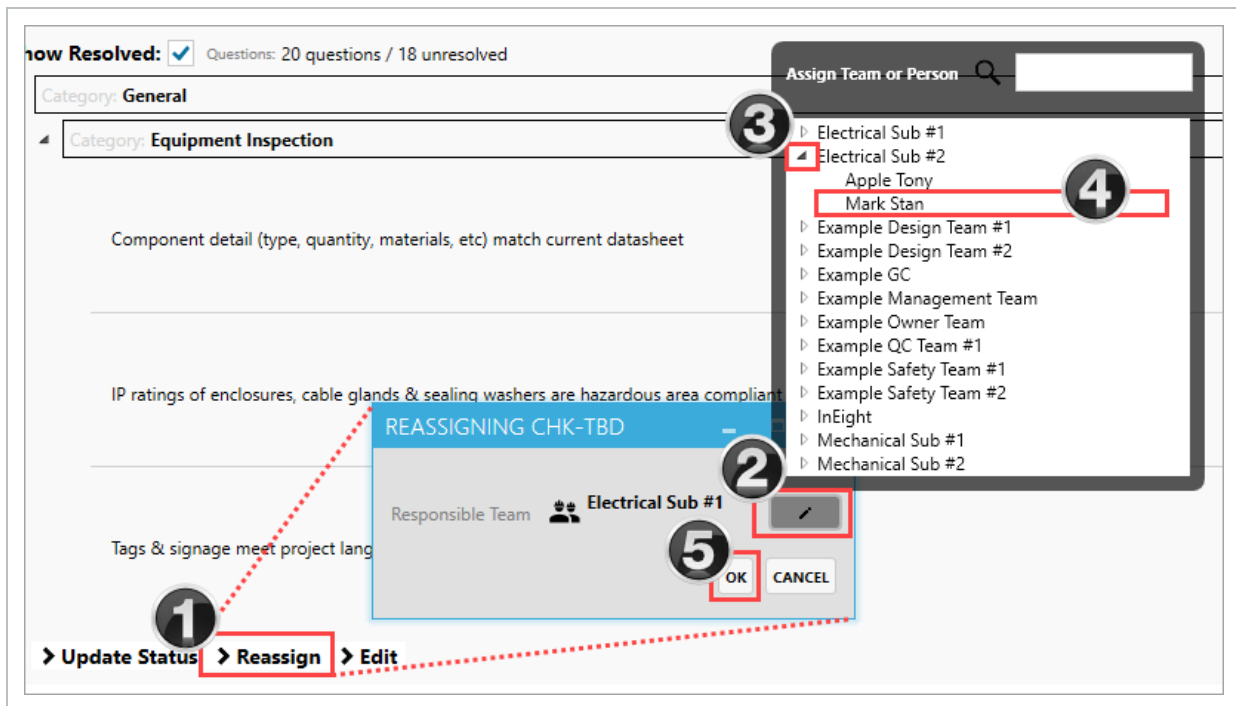
3.4.2 Reassign a Checklist

Reassigning a checklist may be important when:

- Another individual or team is more knowledgeable
- Another team or person has the subject matter expertise, and want to get to the project site more quickly
- An improper team was initially identified to complete the checklist
- You have been pulled off this project
- You are going on vacation and won't return until after the checklist is due

3.4 Step by Step 3 — Reassign a Checklist

1. Click the **Reassign** button.
2. In the resulting pop-up window, click on the **Pencil** icon.
 - Another pop-up appears showing the list of teams and people to be assigned
3. Click on the team, and further drop down as needed to indicate the proper person/team.
4. Select **OK**.



3.4.3 Close a Checklist

For those checklists you create, and where you have authority to do so, you will have the ability to edit and close the checklist.

While an entire Checklist must ultimately be completed, you may only have the need or time to answer a portion of the questions in one sitting.

After each series of questions have been answered, click the **Pending Changes** button. This ensures your responses are locked in and cannot be overwritten by another user.

Once all questions have been answered in the checklist, click **Update Status**.

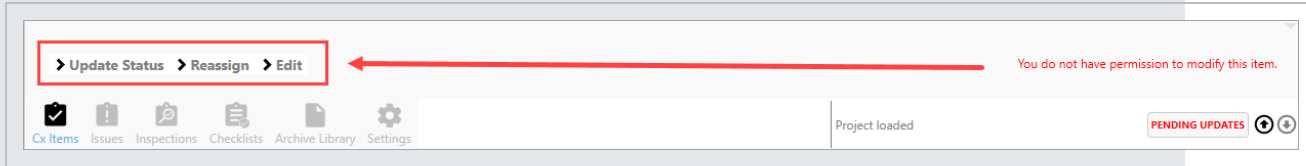
Add a comment to the Resolution Note field and click **OK**.

NOTE

If all questions have not been resolved, a pop-up appears indicating the checklist cannot be closed, because either there are questions still unanswered, or haven't been saved.

NOTE

When you pull up an existing checklist, you may not have the ability to modify it. When that is the case, a comment appears advising you of this, and the Update Status > Reassign > Edit link is disabled, as shown below. Either way, you can close the checklist by clicking the <-- **Back to Checklists** button.



3.5 PAPER CHECKLISTS

3.5.1 Use of a Paper Checklist

Online completion of a checklist housed in Completions, might not be an option for you and your organization if:

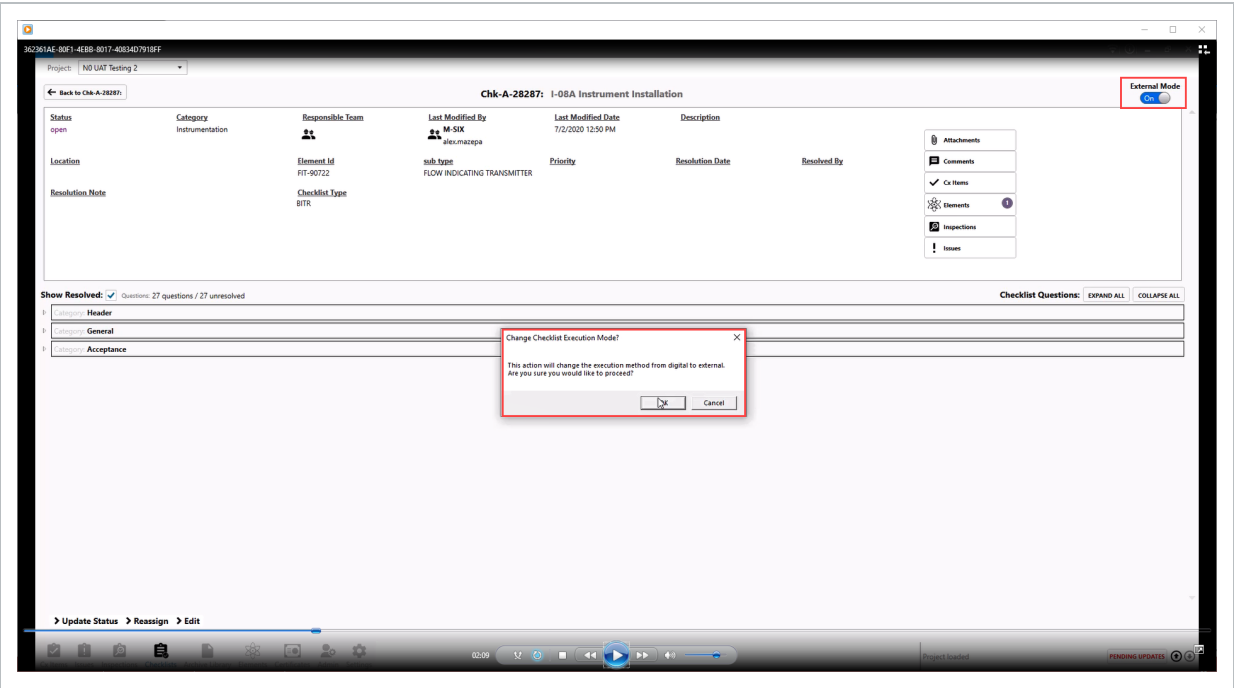
- Your organization or market do not have the ability, access or funds to deploy iPads at all locations
- It might not be physically safe (exposure risk)
- Wet signatures are still needed on some documents

If any of these is the case, a paper checklist fills the gap. The existing checklist in Completions is downloaded and saved, manually completed, and then imported back into Completions as processed and closed.

The system is designed to hand-off a stack of Checklists to the admin, who orders them, and scan in all the paper into a PDF document. After all is scanned in, the above process would be completed and many checklists would be completed.

3.5 Step by Step 1 — Enable External Mode

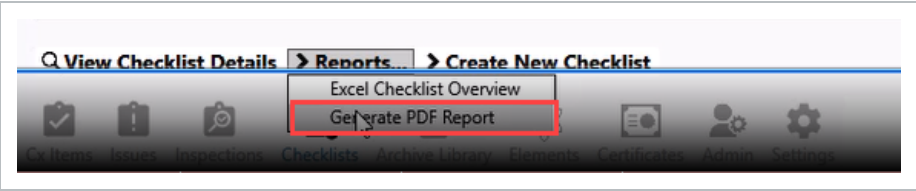
1. From an executed Checklist, turn the External Mode button to **On**.
2. Click **OK** in the dialog box to proceed.



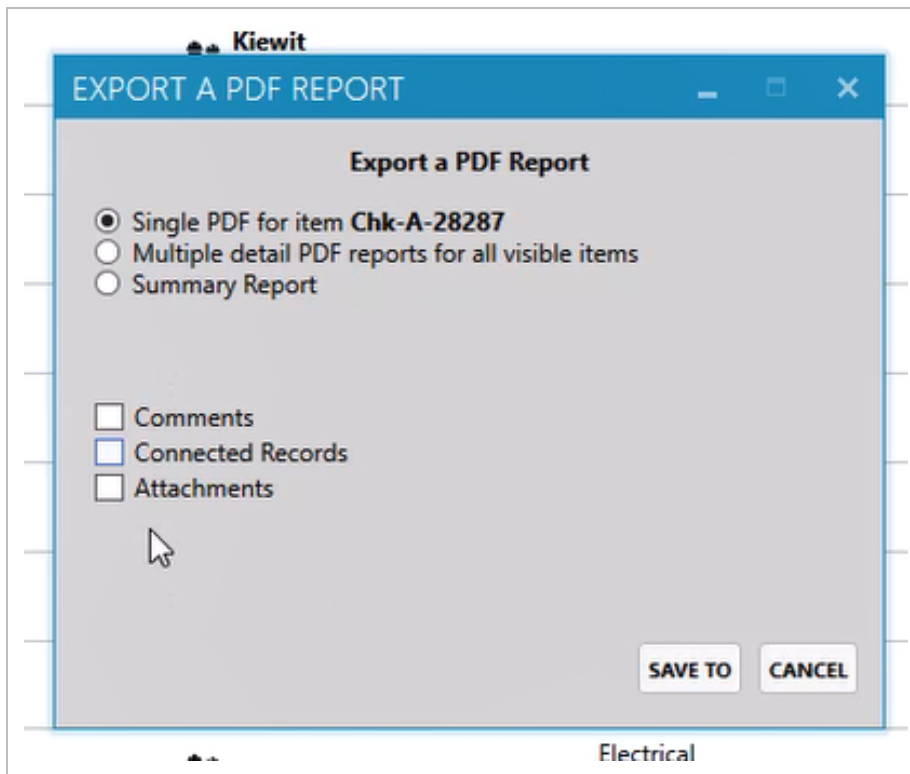
The following steps walk you through creating a PDF, or paper version, of a checklist.

3.5 Step by Step 2 — Create a Paper Checklist

- 1. From the Checklists tab, locate and select the desired checklist.
- 2. Click Reports > **Generate PDF Report**.



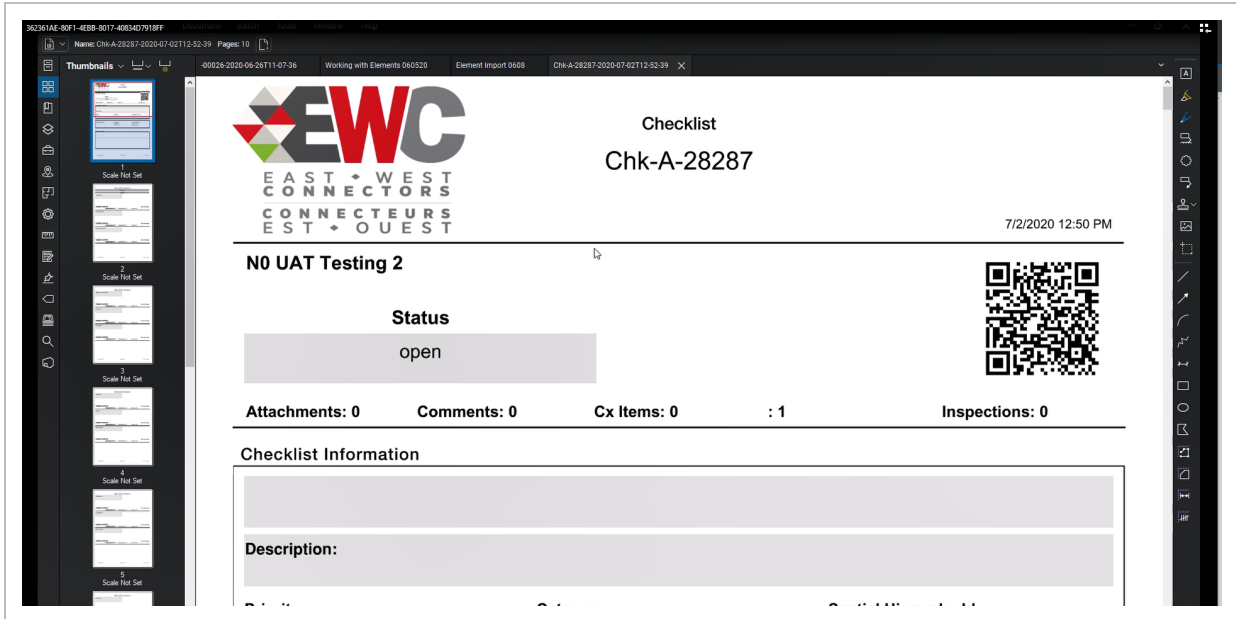
3. Select if a single PDF will be created. Multiple PDFs or a Summary Report are also options.



4. Click **Save To** to confirm the export.
5. Navigate to where you want to save your PDF, and then click **Save**.

NOTE If the **Multiple detail PDF reports** option is selected, PDFs of all visible records arwill be generated.

The resulting PDF paper checklist shows with the bar code on the top and all checklist questions beneath it.

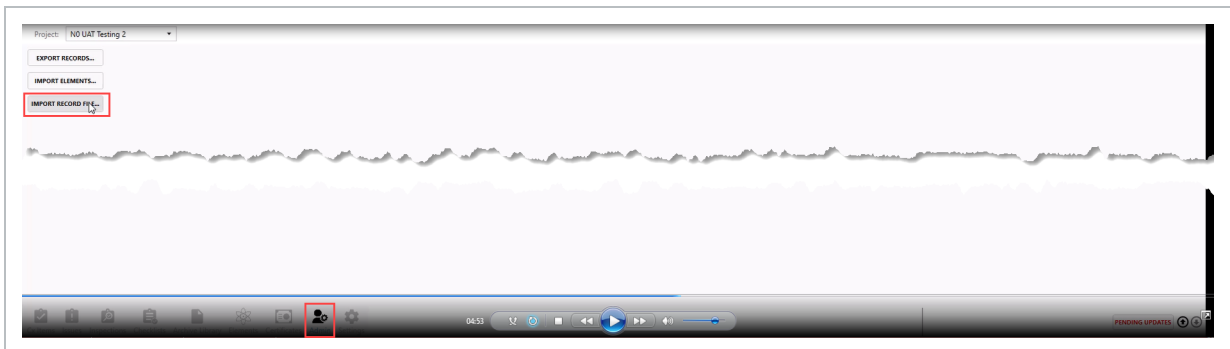


6. Manual documentation on the paper checklist can now be added.
7. When the checklist is completed, click the **Close** button on the PDF.

The following steps walk you through how to import the completed paper checklist into Completions. This requires the project admin role assignment.

3.5 Step by Step 3 — Import Completed Paper Checklist File

1. Click **ADMIN** tab, and then select **Import Record File**.

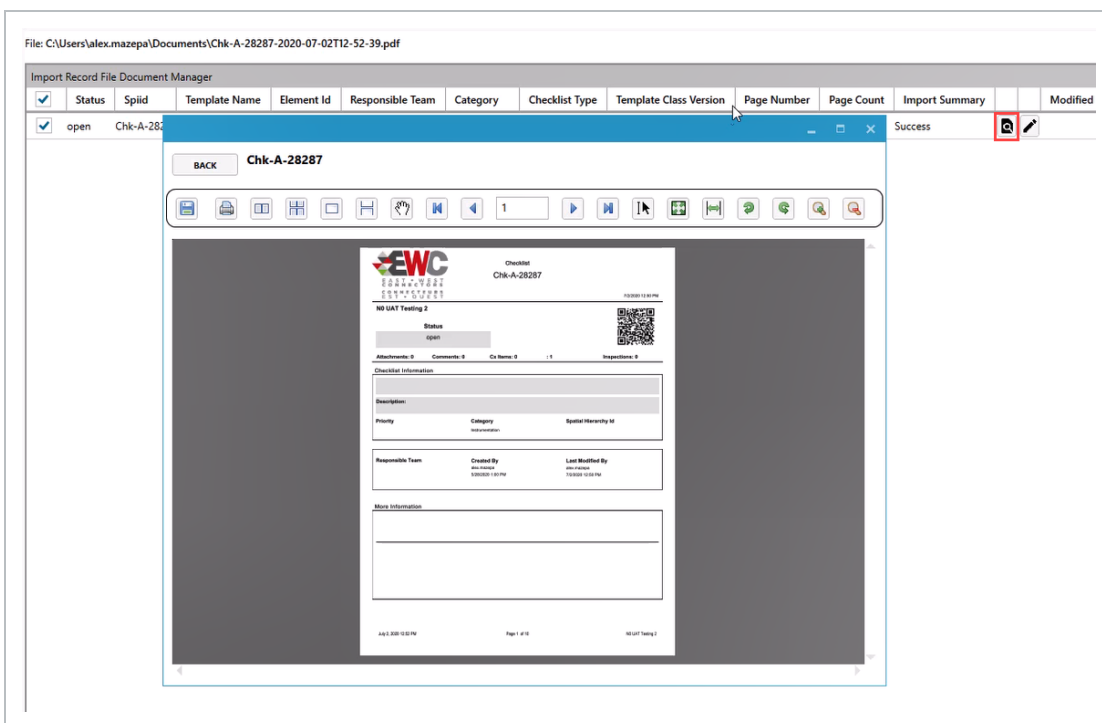


2. Pull up the completed checklist.



3. Select the check box, and then click the **SAVE** button to process the checklist and close.

4. Preview the PDF.



TIP

There can be more than one checklist in a PDF. The system reads the first page QR Code and scans subsequent pages looking for other QR Codes. If located, it separates the PDFs from each other.

The following steps outline how to preview and edit checklist record information before completing the record. The Admin who is completing importing the paper checklists is automatically assigned as the individual who Resolved the Checklist on the date and time that the admin imported the checklist. Since this is not accurate to the checklist contents, the admin can use the edit feature to call out the individual who did execute the checklist and change the date in the system to reflect the executed paper document.

3.5 Step by Step 4 — Edit Checklist Record Information

1. Click the **Edit** icon.

2. Update the following three items in the dialog box, if necessary:

Resolved By name

Resolution Date and time

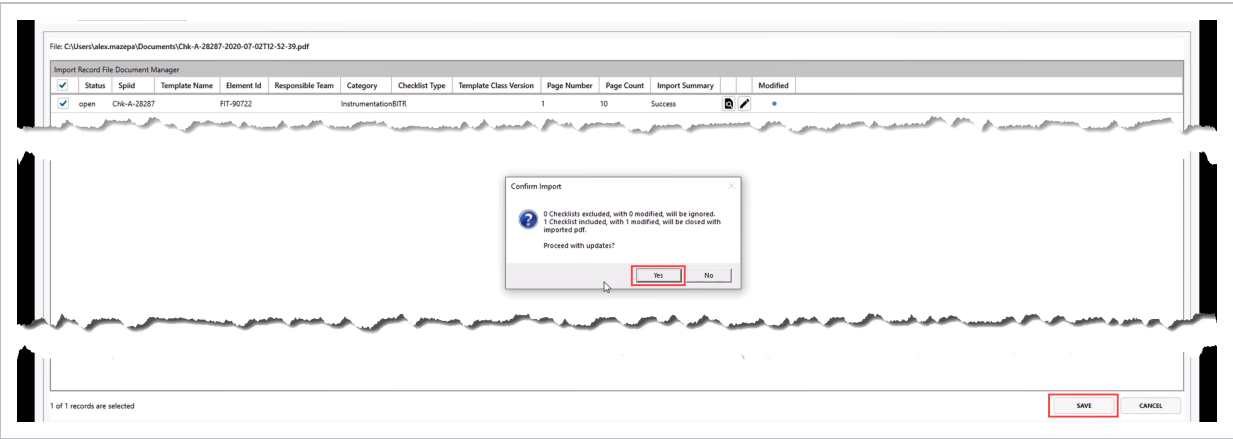
Resolution Note (freeform)

3. Click **OK** when complete.

- This information is uploaded and the Modified column shows a dot

Import Record File Document Manager												
☒	Status	Spid	Template Name	Element Id	Responsible Team	Category	Checklist Type	Template Class Version	Page Number	Page Count	Import Summary	Modified
☒	open	Chk-A-28287		FIT-90722		InstrumentationBITR			1	10	Success	  

4. Click **SAVE**, and then click **Yes** to confirm the update.

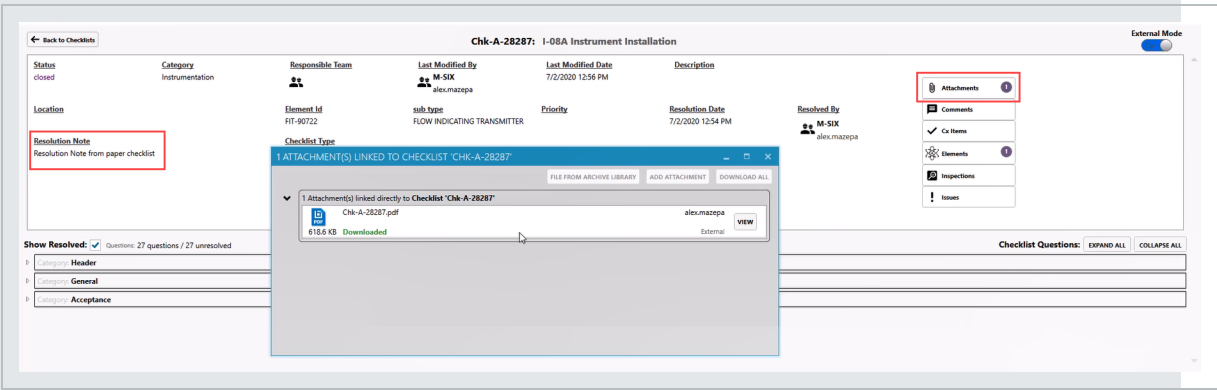


5. Return to your Checklist record, and the checklist shows as Closed.



NOTE

If the checklist is re-opened and Attachments is selected, the Attachment can be viewed and the Resolution Note is shown.



Now the checklist is completed.

Lesson 3 Review

1. As a Completions user, you will be able to...? (Check all that apply)
 - a. Open an existing checklist
 - b. Create a new checklist
 - c. Modify an existing checklist regardless of your permission level
 - d. All of the above

2. You can only filter checklists two ways: 1) by Open & Closed status and 2) by Priority status?
 - a. True
 - b. False

3. Within a checklist, to add an Issue at a specific checklist step:
 - a. Click on the Issues button on the Inspections page
 - b. Click on the Issues button to the right of the desired Inspection step
 - c. None of the above
 - d. All of the above

Lesson 3 Summary

As a result of this lesson, you can:

- Open & Close an Existing Checklist
- Create a new Checklist
- Add and modify data within a Checklist
- Reassign a Checklist
- Execute a Checklist
- Create a Checklist Placeholder

LESSON 4 – ISSUES

Lesson Duration: 20 Minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Create a new Issue
- Update, reassign, reschedule and edit Issues
- Resolve an Issue

Topics in this Lesson

4.1 Create an Issue	72
4.2 Issue Maintenance	78
4.3 Resolve an Issue	88
Lesson 4 Review	92
Lesson 4 Summary	92

4.1 CREATE AN ISSUE

NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

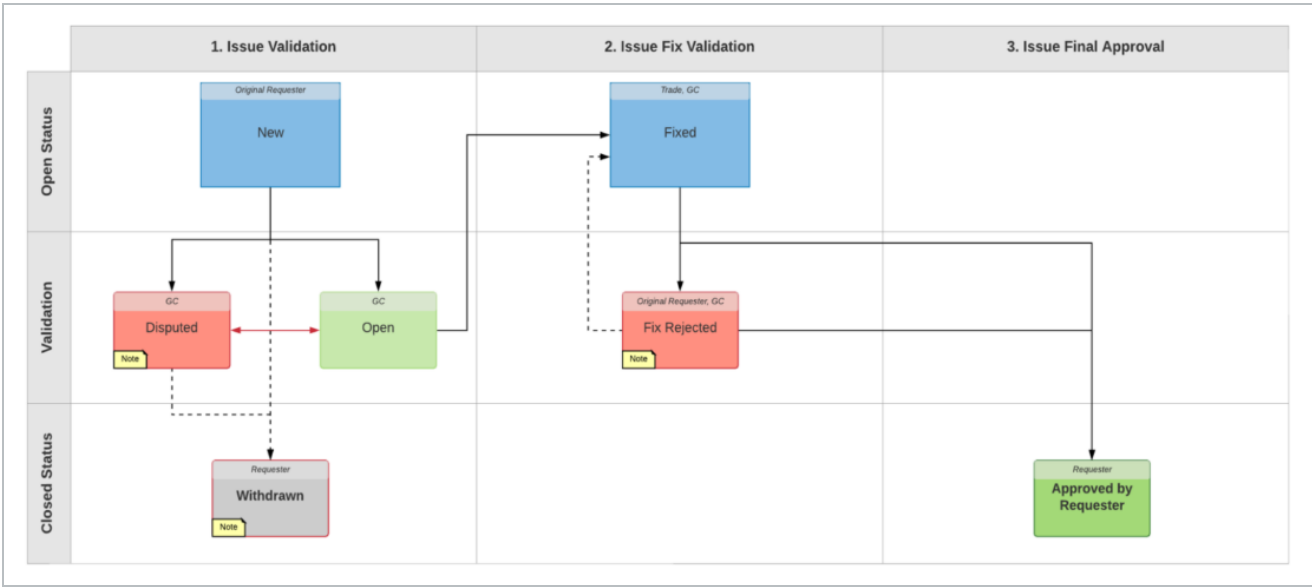
InEight Completions Issues can be defined as: a to-do list, a type of a deviation, or a type of non-conformance that eventually needs to be corrected.

A Completions Issue can be created at several points during the Completion process.

Example: "A safety manager notices a safety hazard related to a piece of equipment. The safety manager finds the relevant item, opens the safety phase, and creates the issue as "New" to be reviewed and fixed.

Below is an example of how an Issue could flow through your project. This is only one representation of an Issue flow; your organization may have a completely different setup.

- 1. Issue Validation
- 2. Issue Fix Validation
- 3. Final Approval



Overview – Create New Issue

Section	Description
1	A Subtype is a pre-defined classification for the issue.
2	This is a drop-down option. A Category describes the issue that is being reported. Both Category and Summary are conditional to one another.
3	This is a drop-down option. The Summary depicts issue. Both Category and Summary are conditional to one another
4	The Responsible team is in charge of making sure the issue gets fixed. Each project can interpret Responsible team differently, depending on business needs, procedures, and associated people.
5	The Subcontractor is responsible doing the actual work to get the issue fixed. Each project can interpret Subcontractor differently, depending on business needs, procedures, and associated people.
6	The Location is where the Issue has taken place. This is a pre-defined set of options.
7	This is brief Description of the issue with a 750 character length.
8	The Due Date is the date when the Issue is expected to be fixed.
NOTE	The Create New Issue fields and their associated values (drop-downs, text fields, etc.) are all configurable. Each project has the ability to construct the appropriate field types and their definitions.

← Cancel Create New Issue

1 * Subtype PLI COR

2 * Category

3 * Summary

4 * Responsible Team 👤 ✎

5 Subcontractor 👤 ✎

6 * Location 📍 ✎

7 * Description

8 * Due Date 2/23/2020 8:00 AM 📅

*Required Field

TIP

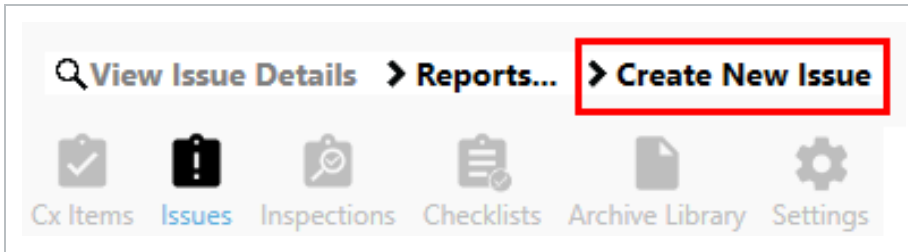
In the Description field, it is important to provide a clear description of the issue in order for the Responsible Team clearly understands the issue.

4.1.1 Create a Standalone New Issue

Once you determine a deviation or an action item for another party, you can start to create your Issue. In the Step by Step below, some of the selection options may not be available to choose from.

4.1 Step by Step 1 — Create a New Issue

1. Select the **Issues module**.
2. Click on **Create New Issue**.



2. For Subtype, select **COR**.
3. For Category, select **Electrical**.
4. For Summary, select **09-Grounding and Bonding**.
5. For Responsible Team, select **Electrical Sub #1**.
6. For Subcontractor select **Electrical Sub #2**.
7. For Location select **Campus A**.
8. For Description type **Missing/Incorrect Core Marker**.
9. Leave the Due Date as **current date**.

The screenshot shows the 'Create New Issue' form. The fields are as follows:

- * Subtype:** Two buttons, 'PLI' and 'COR'. The 'COR' button is highlighted with a yellow box.
- * Category:** A dropdown menu with 'Electrical' selected.
- * Summary:** A dropdown menu with '09 - Grounding & Bonding' selected.
- * Responsible Team:** A field with a person icon, 'Electrical Sub #1', and an edit button.
- Subcontractor:** A field with a person icon, 'Electrical Sub #2', and an edit button.
- * Location:** A field with 'Campus A' and an edit button.
- * Description:** A text area containing 'Missing/Incorrect Core Marker'. Below the text area, it says '(29 out of 750 characters)'.
- * Due Date:** A date field showing '2/27/2020 8:00 AM' and a calendar icon.

 At the bottom left, there is a red text label: '*Required Field'.

10. Select **OK**. The newly created Issue should look similar to what's shown below.

Status

Updated By

Due Date

2/27/2020 8:00 AM

Id

COR-TBD-HIST-TBD

Assigned To

Electrical Sub #1

InEight

Paul Trippi

Note: Missing/Incorrect Core Marker

Signee Team:

Signee Person:

Last Updated: 2/24/2020 10:10 AM

Attachments

Comments

NOTE The below image shows an extension of TBD twice under the Id field. This is because the Issue has not yet been published. Once published to the server, the TBD's will turn into a numerical reference point for the Id.

Status

Updated By

Due Date

2/27/2020 8:00 AM

Id

COR-TBD-HIST-TBD

Assigned To

Electrical Sub #1

InEight

Paul Trippi

Note: Missing/Incorrect Core Marker

Signee Team:

Signee Person:

Last Updated: 2/24/2020 10:10 AM

Attachments

Comments

TIP The Issues screen by default displays open issues currently associated with this project. Select the Show Closed/Withdrawn checkbox to view all Issues.

Id	Category	Summary	Description	Subcontractor	Created	Status
COR-00002	Instrumentation	03 - Missing/Incorrect Core Marker	Failed checklist question: 'Piping & components are restored to suppo...		11/14/2019 2:18 AM	New
Campus A / BLD-1 / Level 2 / 1-203						
COR-00003	Mech	11 - Verify Bolt Torque	Failed checklist question: 'All relief valves, bursting discs & orifice plat...		12/12/2019 5:07 PM	New
Campus A / BLD-1 / Level 2 / 1-203						
COR-00004	LSS	03 - Sample Ports	Failed checklist question: 'Flange check sheets are complete for all re...		1/30/2020 4:48 PM	New
Campus A / BLD-1 / Level 2 / 1-203						
COR-00005	Electrical	06 - Conductor Labeling	NOTE ABC123	InEight Karen.Loftus@ineight.com	2/24/2020 2:29 PM	New
Campus A / BLD-1 / Level 2 / 1-203						

View Issue Details

Reports...

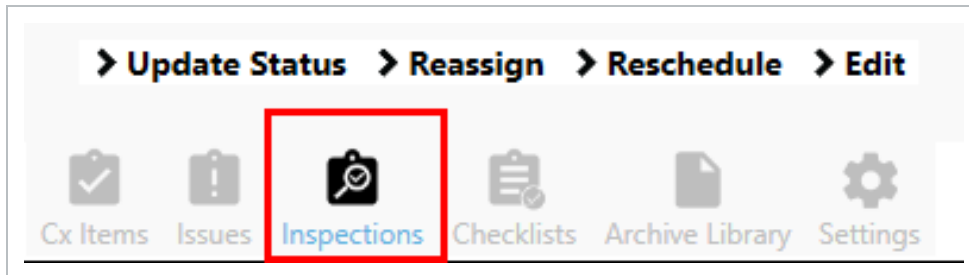
Create New Issue

Show Closed / Withdrawn

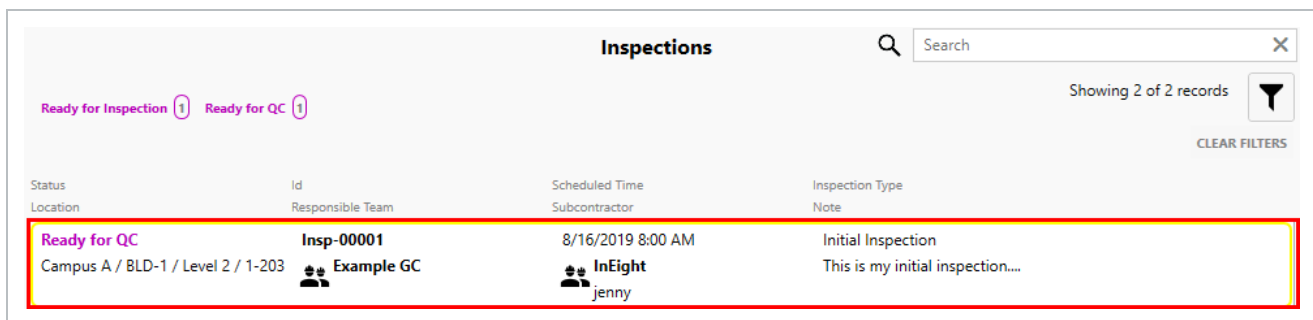
4.1.1.1 Create an Issue from any Available Completions Tabs

As an example, you can create an issue by selecting the Inspections tab. To learn more about inspections, see the [Inspections](#) lesson.

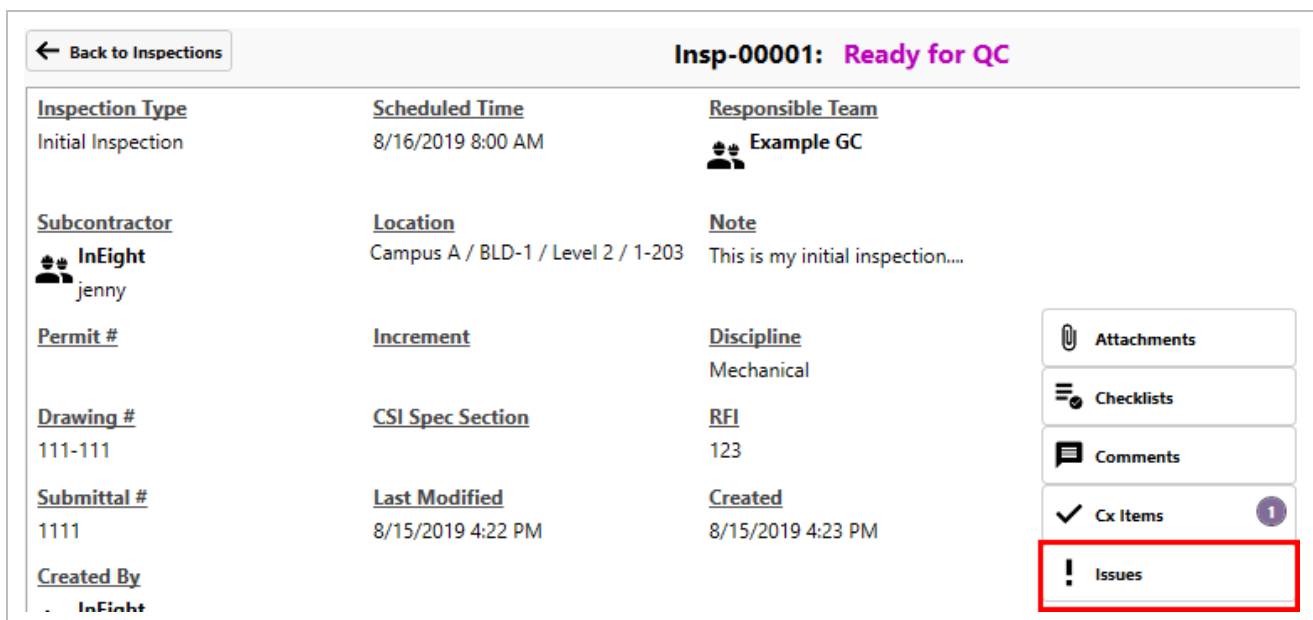
- Some tabs may not be available as they are dependent on how roles and permissions are defined



Within Inspections, double click on an open inspection.

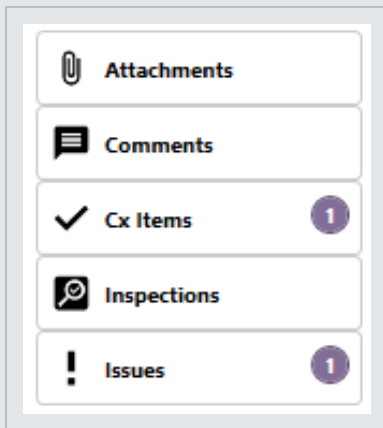


Select the Issues icon located at the bottom right of the page.



NOTE

The buttons on the right of the screen are all customizable, and also permission based.



4.2 ISSUE MAINTENANCE

An Issue's situation can often change during the Completions lifecycle, and need to be updated to reflect its current position.

In these cases, it's possible to update the current situation of an Issue using any of the following four status updates:

- Update Status
- Reassign
- Reschedule
- Edit

From the Issues tab, double click an issue that needs its status changed.

Issues

COR 6

PLI 2

New 7

Valid 1

Showing 8 of 8 records

CLEAR FILTERS

Id

Subcontractor

Category

Created

Summary

Status

Description

Location

COR-00001	Mechanical Sub #1	Mech	8/15/2019 4:57 PM	02 - Labels	New	Label doesnt match P&ID	Campus A / BLD-1 / Level 2 / 1-203
COR-00002		Mech	8/15/2019 5:17 PM	07 - Other	Valid	Cables on the floor	Campus A / BLD-1 / Level 2 / 1-203
COR-00003	Example Design Team #2	Instrumentation	8/27/2019 1:25 PM	03 - Missing/Incorrect Core Marker	New	Shaft Laser Alignment serial number	Campus A / Utility BLD / Level 1 / 1-101
COR-00004	Electrical Sub #1	CSA	2/20/2020 2:55 PM	08 - Incorrect Component	New	System malfunction in section 8	Campus A
COR-TBD	Electrical Sub #2	Electrical	2/24/2020 10:06 AM	09 - Grounding & Bonding	New	test	Campus A
COR-TBD	Electrical Sub #2	Electrical	2/24/2020 10:08 AM	09 - Grounding & Bonding	New	Missing/Incorrect Core Marker	Campus A
PLI-00001	Electrical Sub #2 Apple Tony	Instrumentation	2/20/2020 7:28 AM	04 - Missing/Incorrect Cable Gland	New	Component details (type, quantity, materials, etc.) match current datas...	Campus A / BLD-2 / Level 1 / 2-101
PLI-TBD	Example Design Team #1	CSA	2/24/2020 10:00 AM	04 - Tagging issues	New	Issue 77	Campus B

View Issue Details

Reports...

Create New Issue

Show Closed / Withdrawn

On the bottom left of the Issues screen, notice the four options that play a key role in the maintenance of an issue.

[← Back to Issues](#)

COR-TBD: New

Subtype COR	Category Electrical	Summary 09 - Grounding & Bonding
Responsible Team Electrical Sub #1	Subcontractor Electrical Sub #2	Location Campus A
Description Missing/Incorrect Core Marker	Due Date 2/27/2020 8:00 AM	Last Modified 2/24/2020 10:10 AM
Last Modified By InEight Paul Trippi	Created 2/24/2020 10:08 AM	Created By InEight Paul Trippi
Resolution Date	Resolution Note	Attachments Checklists Comments Cx Items Inspections

Issue History:

Status	Due Date	Id	Assigned To
New InEight Paul Trippi	2/27/2020 8:00 AM	COR-TBD-HIST-TBD	Electrical Sub #1

> Update Status > Reassign > Reschedule > Edit

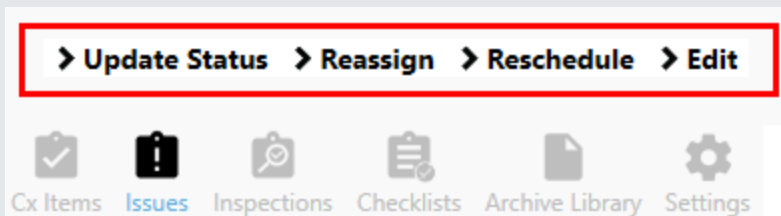
Cx Items
 Issues
 Inspections
 Checklists
 Archive Library
 Settings

Project loaded

PENDING UPDATES

NOTE

The options for Update Status, Reassign, Reschedule, and Edit options are all customizable, and depends on how your system is configured. Options depend on how your system is configured and your user permission level.

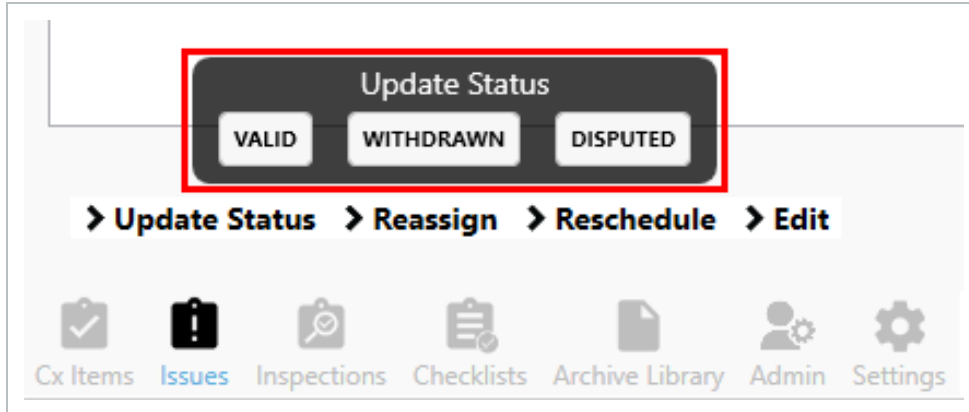


4.2.1 Update Status example

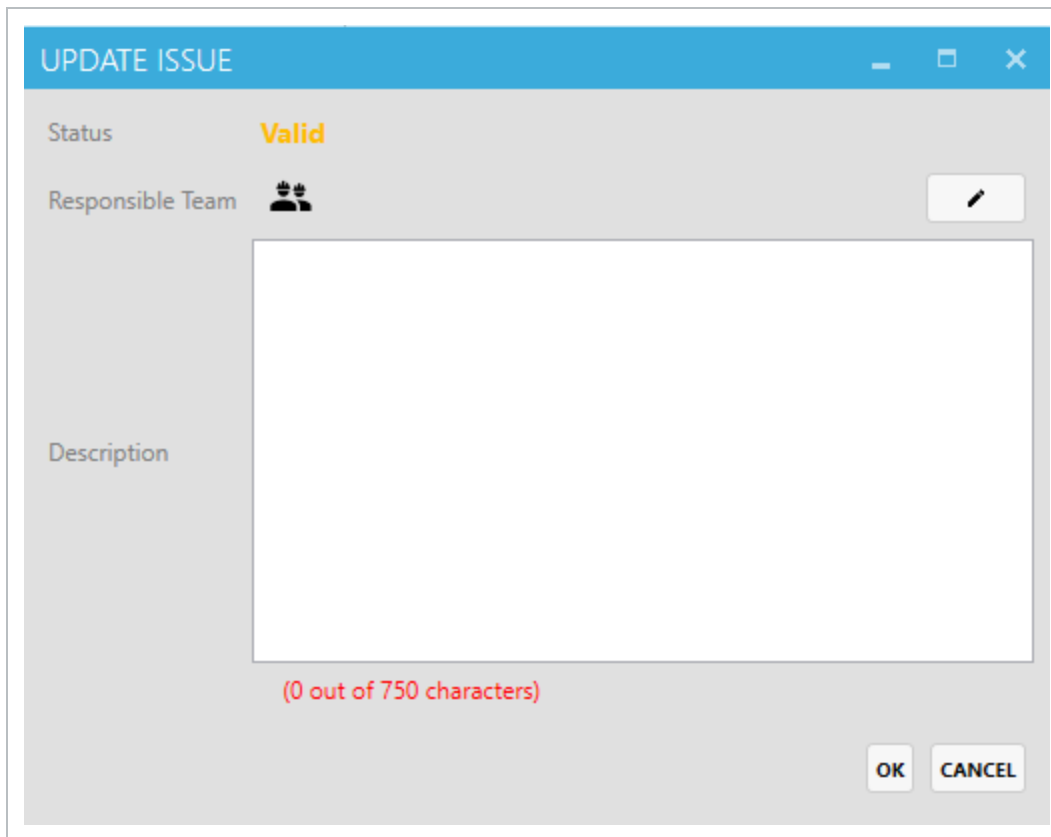
The options within the Update Status button can be configured to show various levels of issue progression, depending on your role and permissions level.

> Update Status > Reassign > Reschedule > Edit

Update Status options are specific to a project. In the below example, the project administrator has created three Update Statuses: Valid, Withdrawn, and Disputed. Your company may choose a different variation of statuses. Resolving an issue is discussed in the Resolve and Issue topic.



After selecting a status, the Update Issue pop-up window appears, like the one below.



The dialog box is titled "UPDATE ISSUE" in a blue header bar. It contains the following elements:

- Status:** Labeled "Status" with the value "Valid" in orange text.
- Responsible Team:** Labeled "Responsible Team" with a team icon (three people) and a small edit button (pencil icon) to its right.
- Description:** A large text area for input, currently empty.
- Character Count:** Below the description area, it says "(0 out of 750 characters)" in red text.
- Buttons:** "OK" and "CANCEL" buttons at the bottom right.

Type in a description for why the Issue is being withdrawn, and select **OK**.

UPDATE ISSUE

Status **Valid**

Responsible Team

Description

The Core Marker has been located on 2/24/2020.

(46 out of 750 characters)

OK CANCEL

After selecting OK, you return back to the Issues Detail view, where you can see all the history events of this issue including the latest update.

Issue History:				
Status	Due Date	Id		Assigned To
Updated By				
Withdrawn	2/23/2020 8:00 AM	COR-00004-HIST-TBD		Electrical Sub #1
InEight Paul Trippi Note: The Core Marker has been located on 2/24/2020. Last Updated: 2/24/2020 11:55 AM Signee Team: Signee Person: Attachments Comments				

4.2.2 Reassign

[Update Status](#)
[Reassign](#)
[Reschedule](#)
[Edit](#)

By selecting the Reassign button, you are able to reassign the issue to another party.

UPDATE ISSUE

Responsible Team  Electrical Sub #1 

Description

(0 out of 750 characters)

Select a new Responsible Team

OK CANCEL

Click the **Pencil** icon to change the Responsible team, and type in a description for the reassignment change, then select **OK**.

UPDATE ISSUE

Responsible Team

Mechanical Sub #1

Description

Reassigning to Mechanical Sub because this issue needs an engineer to fix.

(74 out of 750 characters)

OK

CANCEL

4.2.3 Reschedule

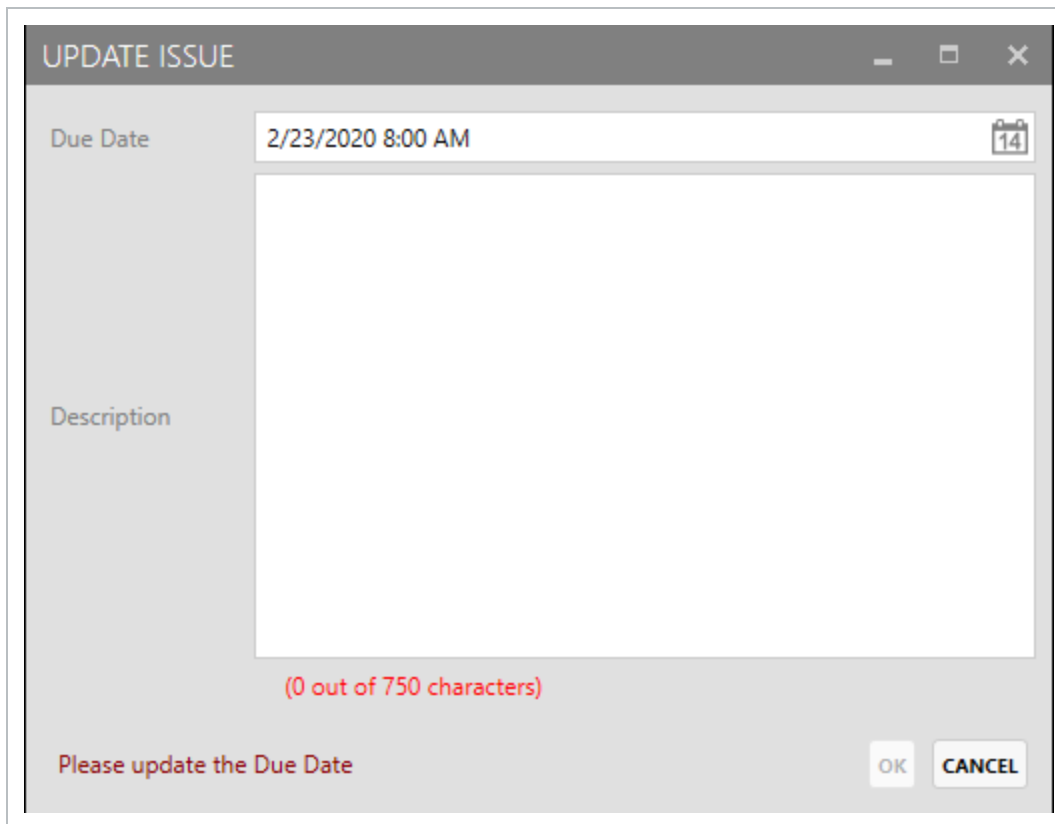
➤ Update Status

➤ Reassign

➤ **Reschedule**

➤ Edit

Selecting the Reschedule button allows you to reschedule the issue.



The image shows a software dialog box titled "UPDATE ISSUE". It has a standard window header with minimize, maximize, and close buttons. The dialog is divided into two main sections. The top section is labeled "Due Date" and contains a text input field with the value "2/23/2020 8:00 AM" and a calendar icon to its right. The bottom section is labeled "Description" and contains a large, empty text area. Below the text area, there is a red text label "(0 out of 750 characters)". At the bottom left of the dialog, there is a red text message "Please update the Due Date". At the bottom right, there are two buttons: "OK" and "CANCEL".

Change the Due Date to the desired date, then enter a description for the reschedule reason.

UPDATE ISSUE

Due Date: 3/5/2020 8:00 AM

Description: Rescheduling to March 5th due to resource constraints.

(54 out of 750 characters)

OK CANCEL

4.2.4 Edit

➤ Update Status ➤ Reassign ➤ Reschedule ➤ **Edit**

Selecting the Edit button allows you to edit an existing issue, as long as the correct roles and permissions are assigned.

← COR-TBD

Edit Issue

* Subtype

COR

* Category

Electrical

* Summary

09 - Grounding & Bonding

* Responsible Team

Mechanical Sub #1

Subcontractor

Electrical Sub #2

* Location

Campus A

* Description

Missing/Incorrect Core Marker

(29 out of 750 characters)

* Due Date

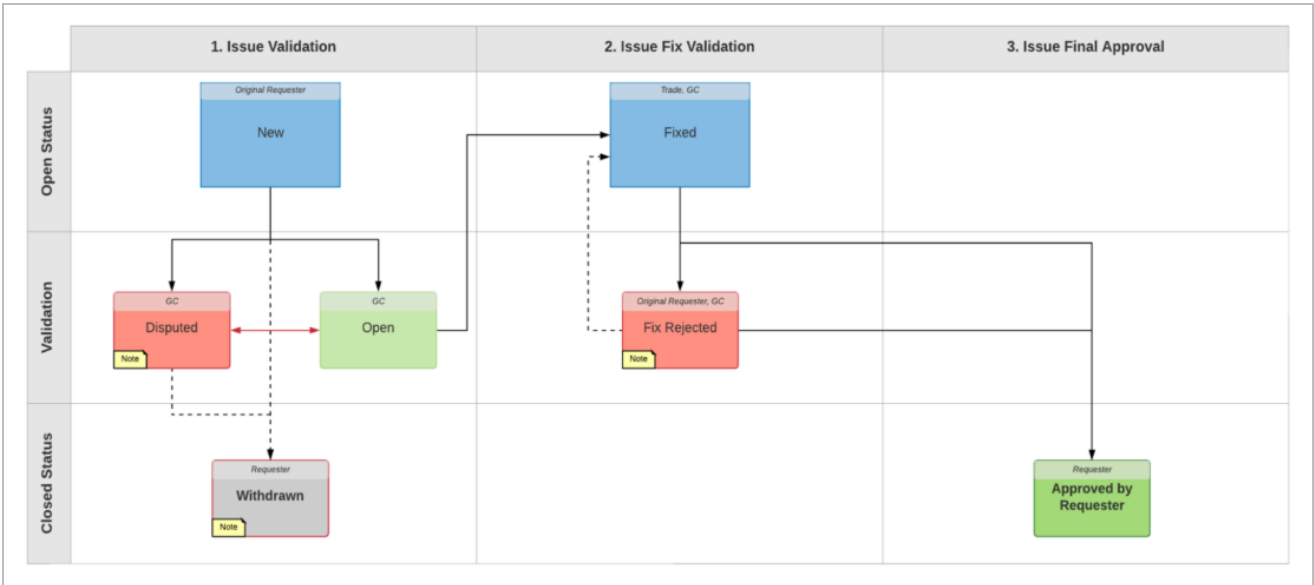
3/5/2020 8:00 AM

*Required Field

4.3 RESOLVE AN ISSUE

Below is an example of how an Issue could flow through your project. This is only one representation of an Issue flow; your organization may have a completely different setup.

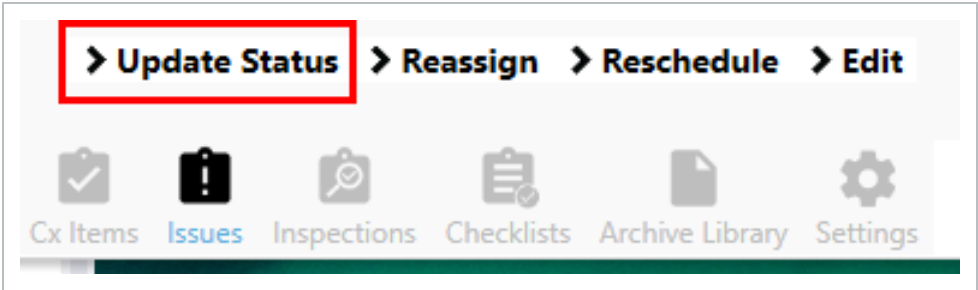
- 1. Issue Validation
- 2. Issue Fix Validation
- 3. Final Approval



An Issue can be resolved by first navigating to the Issues tab, then double-clicking into the desired issue record.

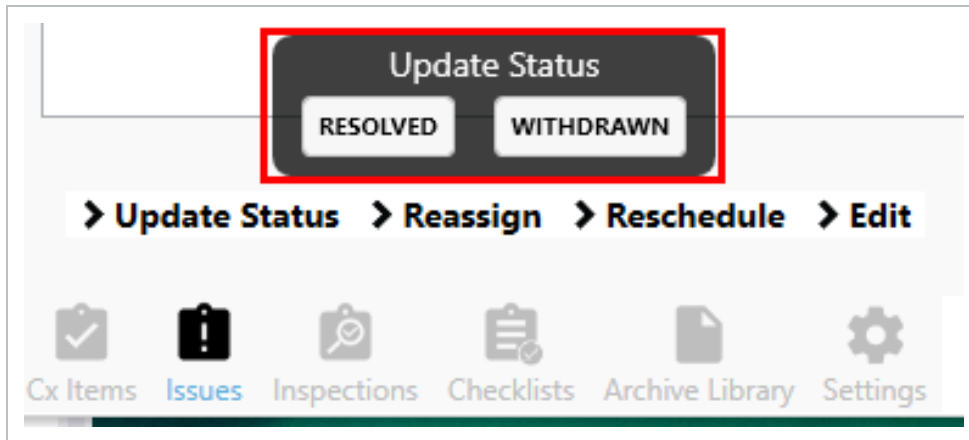
Issues						
NCR 0 New 2 Assigned To Me 1						
Id		Category	Summary	Description	Subcontractor	
Created	Status	Location				
NCR-TBD	Electrical	03 - Conduit 360 Degree Rule	test 555		Mechanical Sub #1 Blackman Chris	
2/25/2020 8:15 AM	New	Campus A / BLD-1 / Level 2 / 1-203				
NCR-TBD	Electrical	06 - Conductor Labeling	test 999		Mechanical Sub #1 Blackman Chris	
2/25/2020 8:16 AM	New	Campus A / BLD-1 / Level 2 / 1-203				

At the bottom of the screen select the > **Update Status** menu option.



Your project administrator is responsible for creating the Update Issue status types. The status types are determined by your project management team during the project kickoff meeting.

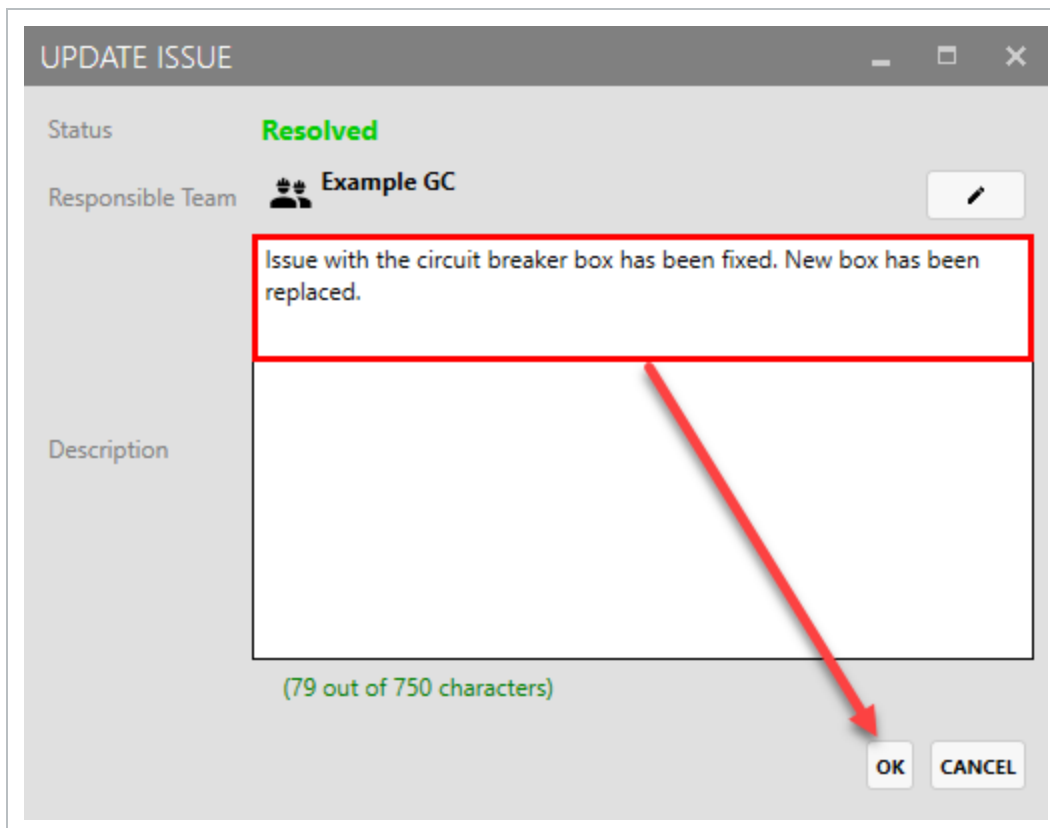
Below is showing an example of two possible Issue Update Status options.



In this example, after selecting Resolved, an Update Issue pop-up box appears allowing you to:

- Modify the Responsible Team
- Add a resolved issue description

After typing in some notes to describe the resolution, select **OK**.



The Issue is now resolved.

Status	Due Date	Id	Assigned To	Updated By
New	2/28/2020 8:00 AM	NCR-TBD-HIST-TBD	 Example GC	 InEight Karen Loftus
Resolved	2/28/2020 8:00 AM	NCR-TBD-HIST-TBD	 Example GC	 InEight Karen Loftus
Note: Issue with the circuit breaker box has been fixed. New box has been repl... Signee Team: Signee Person: Last Updated: 2/25/2020 9:32 AM  Attachments  Comments				

Lesson 4 Review

1. A Completions Issue can be created at several points during the Completion process.
 - a. True
 - b. False

2. If an Issue displays as TBD within Issue History, this means that the:
 - a. Issue cannot be published
 - b. Issue has already been published
 - c. Issue has not yet been published
 - d. None of the above

3. A Completions Issue can be created at several points during the Completion process.
 - a. True
 - b. False

Lesson 4 Summary

As a result of this lesson, you can:

- Create a new Issue
- Update, reassign, reschedule and edit Issues
- Resolve an Issue



LESSON 5 – INSPECTIONS

Lesson Duration: 20 Minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Create an Inspection
- Link Existing Issues to an Inspection
- Edit an Inspection
- Complete an Inspection

Topics in this Lesson

5.1 Create / Open an Inspection	94
5.2 Inspection Maintenance	100
5.3 Complete an Inspection	104
Lesson 5 Review	108
Lesson 5 Summary	108

5.1 CREATE / OPEN AN INSPECTION

NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

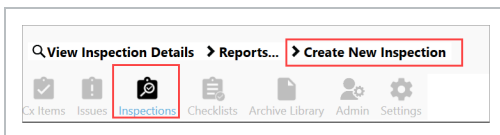
EXAMPLE: A field engineer is performing a weekly walk. He finds the relevant inspection, updates the information, assigns the responsible parties, and finally updates the inspection status.

5.1.1 Create a New Inspection

In order to create a Inspection, do the following:

5.1 Step by Step 1 — Create a New Standalone Inspection

1. Click on the **Inspections** tab.
2. Click on the **Create New Inspection** button.



- The Create New Inspection window appears

3. Select the Inspection Type from the drop-down.

4. Update the Scheduled Time if not accurate by clicking on the **Calendar** icon.
5. Select a Responsible Team/Person by clicking on the **Pencil** icon, and drilling down as needed.
6. Select the Subcontractor by clicking on the **Pencil** icon.

7. Select the Location by clicking the **Pencil** icon and drill down to the appropriate location.

The screenshot shows a form for creating or editing an inspection. The fields are as follows:

- * Inspection Type:** Material Inspection
- * Scheduled Time:** 2/25/2020 8:00 AM
- * Responsible Team:** InEight (Karen.Loftus@ineight.com)
- * Subcontractor:** InEight (Jenny Libin)
- * Location:** Campus A / Utility BLD / Level 1 / 1-101
- Note:** (Empty text area)
- Permit #:** (Empty text field)
- Discipline:** SELECT
- Drawing #:** (Empty text field)
- CSI Spec Section:** (Empty text field)
- RFI:** (Empty text field)
- Submittal #:** (Empty text field)

A red asterisk indicates required fields. A red arrow points to the pencil icon next to the Location field, which has opened a dropdown menu titled "Select Location". The dropdown menu shows a hierarchical list of locations:

- ▲ Campus A
 - ▶ Office Complex
 - ▶ BLD-1
 - ▶ BLD-2
 - ▶ BLD-3
 - ▲ Utility BLD
 - ▲ Level 1
 - 1-101 (Selected)
 - ▶ Campus B

- These first five fields are mandatory, as noted by the red asterisk to the left of the field's name
8. Complete the remaining fields as appropriate.
9. Click **OK**.
- As a result, the new Inspection item will appear in the Inspection History

Inspection History:				
Status	Id	Updated	Scheduled Time	Updated By
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 11:58 AM	2/25/2020 8:00 AM	InEight Karen.Loftus@ineight.com
InEight Karen.Loftus@ineight.com				

5.1.2 Open an Existing Inspection

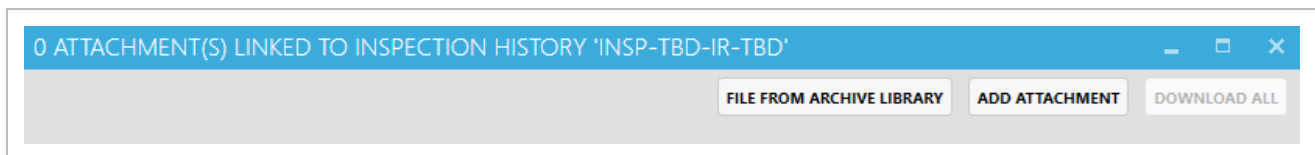
With one or more inspections already planned and assigned, you might need to pull up an existing inspection.

By double clicking on any singular Inspection tile, edits can be made via:

- Adding an Attachment
- Making a Comment
- Identifying an Issue

5.1.2.1 Add an Attachment

To learn more about attachments, see the [Attachments](#) lesson.



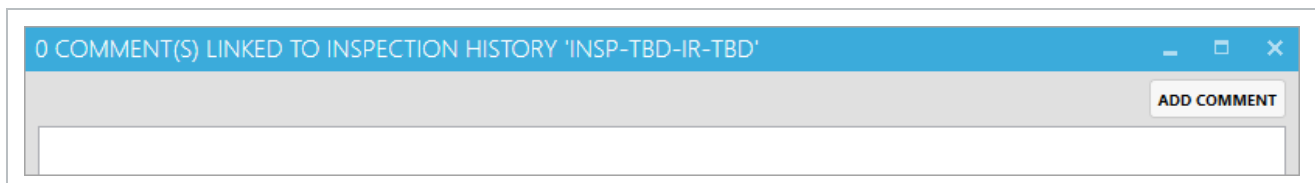
5.1.2.2 Add or Link a Checklist

To learn more about checklists, see the [Checklists](#) lesson.



5.1.2.3 Add a Comment

When added, comments are tied to a specific inspection, in this case "INSP-TBD-IR-TBD."



5.1.2.4 Add or Link Cx Items

To learn more about Cx Items, see the [Cx Items](#) lesson.



5.1.2.5 Add or Link an Issue

If the **Issues** button is selected, a new pop-up window appears where an Issue can be added, or links made to current, existing issues.

To learn more about issues, see the [Issues](#) lesson.



If the Link Existing Issues button is selected, a new pop-up appears identifying New Issues.

5.1 Step by Step 2 — Link Existing Issues to an Inspection

1. Click on **Inspections**.
2. Double-click on an Inspection **line item**.
3. Click on the most current **Ready for Inspection line item** in the Inspection History.
4. Click on the **Issues** button.
5. Click the **Link Existing Issue(s)** button.
6. From the resulting pop-up window, select the **New Issue to link**.
7. Click on the **Link Selected Issue(s)** button.

← Back to Insp-00001:

Linking Issues to Insp-00001:

Search

Showing 3 of 3 records

CLEAR FILTERS

Id	Category	Summary	Description	Subcontractor
Created	Status	Location		
COR-00002	Instrumentation	03 - Missing/Incorrect Core Marker	Failed checklist question: 'Piping & components are restored to suppo...	
11/14/2019 2:18 AM	New	Campus A / BLD-1 / Level 2 / 1-203		
COR-00003	Mech	11 - Verify Bolt Torque	Failed checklist question: 'All relief valves, bursting discs & orifice plat...	
12/12/2019 5:07 PM	New	Campus A / BLD-1 / Level 2 / 1-203		
COR-00004	LSS	03 - Sample Ports	Failed checklist question: 'Flange check sheets are complete for all re...	
1/30/2020 4:48 PM	New	Campus A / BLD-1 / Level 2 / 1-203		

LINK SELECTED ISSUE(S)

☐ Show Closed / Withdrawn

8. Click **Yes** to confirm linkage.

Link Issue(s)

?

Do you want to link 1 Issue(s)?
COR-00002

Yes

No

- Now the issues button has a new item identified

Insp-00001: Ready for Inspection

Back to Inspections

Inspection Type Equipment Inspection	Scheduled Time 10/4/2019 8:00 AM	Responsible Team InEight Matthew.Macaras@ineight.com	Subcontractor InEight Matthew.Macaras@ineight.com
Location Campus A / BLD-1 / Level 2	Note	Permit #	Increment
Discipline Piping	Drawing #	CSI Spec Section	RFI
Submittal #	Last Modified 10/3/2019 9:53 AM	Created 10/3/2019 9:31 AM	Created By InEight Matthew.Macaras@ineight.com

Attachments

Checklists

Comments

Cx Items

Issues (1)

Inspection History:

Status	Id	Updated	Scheduled Time	Updated By
Ready for Inspection	Insp-00001-IR-07	10/3/2019 9:53 AM	10/4/2019 8:00 AM	InEight Matthew.Macaras@ineight.com
Cancelled	Insp-00001-IR-06	10/3/2019 9:45 AM	10/4/2019 8:00 AM	InEight Matthew.Macaras@ineight.com

Update Status **Reassign** **Reschedule** **Edit**

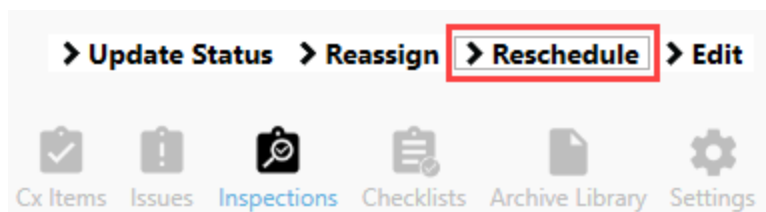
5.2 INSPECTION MAINTENANCE

5.2.1 Reschedule Inspections

At times, rescheduling an Inspection may be necessary.

5.2 Step by Step 1 — Reschedule an Inspection

- Click on the **Inspections** tab.
- Double click on a particular Inspection history tile.
- Click on the **Reschedule** button.



4. Click on the **Calendar** icon.
5. From within the pop-up window, select a new date and time for the inspection.

UPDATING INSP-TBD

Scheduled Time: 2/25/2020 5:00 PM

Note: (19 out of 750 characters)

AUTOFILL NOTE FROM LAST UPDATE

OK CANCEL

6. Click **outside the calendar window area** to return to the main pop-up window.
7. Type in an **explanatory note**.

8. Click **OK**.

- As a result, the Scheduled Time and Inspection History will be updated

The screenshot displays the 'Insp-TBD: Ready for Inspection' form. The 'Scheduled Time' field is highlighted with a red box, showing '2/25/2020 5:00 PM'. Below the form is the 'Inspection History' table, which also has a red box highlighting the first row. The table columns are Status, Id, Updated, Scheduled Time, and Updated By.

Status	Id	Updated	Scheduled Time	Updated By
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 12:24 PM	2/25/2020 5:00 PM	InEight Karen.Loftus@ineight.com
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 12:08 PM	2/25/2020 8:00 AM	InEight Karen.Loftus@ineight.com
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 11:58 AM	2/25/2020 8:00 AM	InEight

At the bottom of the interface, there is a navigation bar with icons for Cx Items, Issues, Inspections, Checklists, Archive Library, and Settings. A 'Project update complete' message and a 'PENDING UPDATES' button are also visible.

5.2.2 Edit an Inspection

Editing an inspection, especially by adding data in non-required fields can be helpful to yourself and others if you infrequently work on a given project, or as further information becomes available such as a Submittal number, Permit number, Drawing number, etc.

5.2 Step by Step 2 — Edit an Inspection

- Click on the **Inspections** tab.
- Click on the **Edit** button.
- Update fields as appropriate.
- Click **OK**.

NOTE

The below Inspection Issue image shows an extension of TBD under the Id field. This is because the Issue has not yet been published. Once published to the server, the TBD's will turn into a numerical reference point for the Id.

Status	Due Date	Id	Issue History:		Updated By
New	3/5/2020 8:00 AM	PLI-TBD-HIST-TBD	Assigned To		
			InEight Karen.Loftus@ineight.com		InEight Karen.Loftus@ineight.com

5.2.3 Reassign an Inspection

At times, it may be appropriate to reassign an inspection to another team/person.

5.2 Step by Step 3 — Reassign an Inspection

1. Click on the **Inspections** tab at the bottom of the screen.
2. Double click on a particular Inspection tile.
3. Click the **Reassign** button.
4. In the resulting pop-up window, click on the **Pencil** icon.

5. Select a **person or team** from the list, drilling down as necessary.

The screenshot shows a web form titled "UPDATING INSP-00003". The "Responsible Team" field is currently set to "InEight" with the email "Paul.Trippi@InEight.com". A dropdown menu is open, showing a search bar and a list with "InEight" selected, indicated by a red arrow. The form also includes a "Note" section with a character count "(0 out of 750 characters)", an "AUTOFILL NOTE FROM LAST UPDATE" button, and "OK" and "CANCEL" buttons at the bottom. A yellow line highlights the bottom right area of the form.

6. Type in an **explanatory note**.
7. Click **OK**.
 - As a result, the Inspection History is updated with the change

Inspection History:				
Status	Id	Updated	Scheduled Time	Updated By
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 12:08 PM	2/25/2020 8:00 AM	InEight Karen.Loftus@ineight.com
Ready for Inspection	Insp-TBD-IR-TBD	2/24/2020 11:58 AM	2/25/2020 8:00 AM	InEight Karen.Loftus@ineight.com

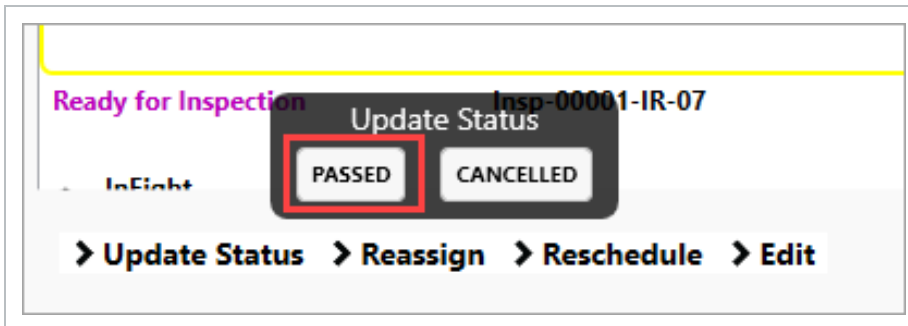
5.3 COMPLETE AN INSPECTION

5.3.1 Complete an Inspection

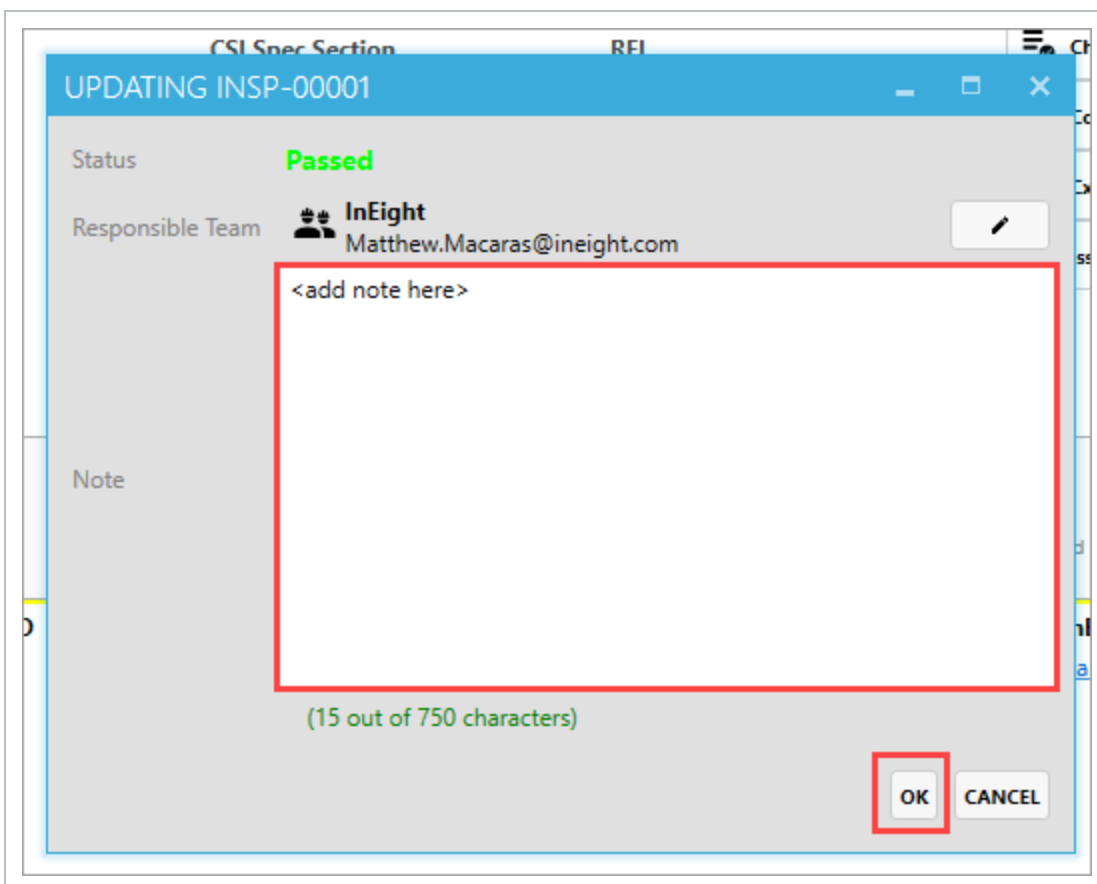
As an Inspection becomes complete, it's important to Complete the Inspection to attain an accurate and timely project.

5.3 Step by Step 1 — Complete an Inspection

1. From within a specific inspection, click on **Update Status**.
2. Click on the **Passed** icon.

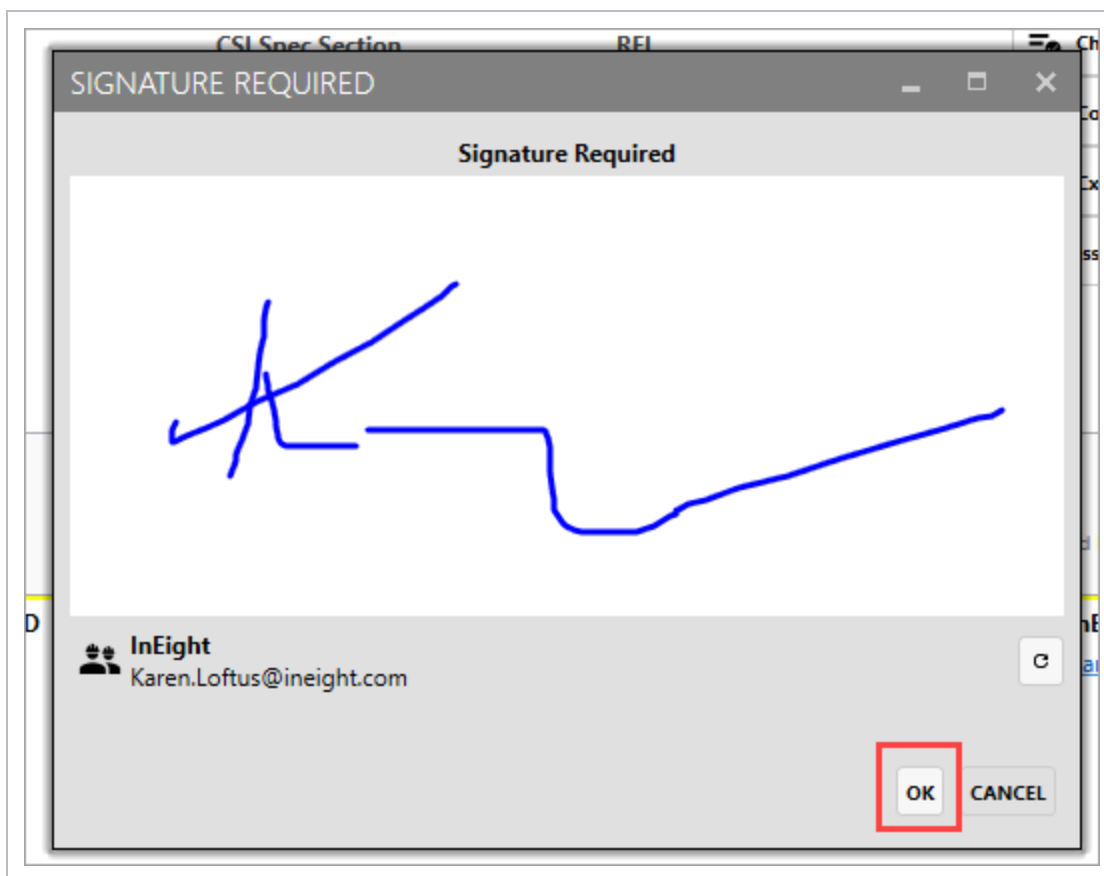


3. In the subsequent pop-up window, type in an **explanatory note**.
4. Click **OK**.



5. In the next pop-up window, **add your signature**, if required.

6. Click **OK**.



- As a result, the Inspection item is shown as Passed

← Back to Inspections

Insp-00001: Passed

Piping

Submittal #

Last Modified

Created

Created By

2/24/2020 1:27 PM

10/3/2019 9:31 AM

InEight

Matthew.Macaras@ineight.com

Comments

Cx Items

Issues

Inspection History:

Status	Id	Updated	Scheduled Time	Updated By
Passed	Insp-00001-IR-TBD	2/24/2020 1:27 PM	10/4/2019 8:00 AM	InEight Karen.Loftus@ineight.com
Ready for Inspection	Insp-00001-IR-TBD	2/24/2020 1:15 PM	10/4/2019 8:00 AM	InEight Karen.Loftus@ineight.com
Ready for Inspection	Insp-00001-IR-07	10/3/2019 9:53 AM	10/4/2019 8:00 AM	InEight Matthew.Macaras@ineight.com
Cancelled	Insp-00001-IR-06	10/3/2019 9:45 AM	10/4/2019 8:00 AM	InEight

Note:

Signature:

Attachments

Comments

Issues

Update Status

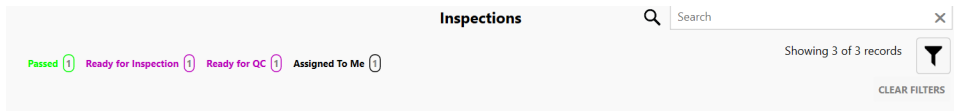
Reassign

Reschedule

Edit

Lesson 5 Review

1. The Inspections module is the only module where there is a filter function.



- a. True
 - b. False
-
2. Which of the following are tabs at the bottom of an Inspection? (check all that apply)
 - a. Edit
 - b. Reassign
 - c. Reports
 - d. Reschedule
 - e. Update Status
 - f. All Of the Above
-
3. When editing an Inspection, the Inspection Type is a free-form, mandatory field.
 - a. True
 - b. False

Lesson 5 Summary

As a result of this lesson, you can:

- Create an Inspection
- Link Existing Issues to an Inspection
- Edit an Inspection
- Complete an Inspection



LESSON 6 – ELEMENTS

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Work with Elements
- Navigate Element hierarchy
- Import and load data into Elements

Topics in this Lesson

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6.1 WORK WITH ELEMENTS

By one definition, **Elements** can be the smallest components where work is acted upon. This can include tagged pieces of equipment such as a cable, an individual switch, or the actual installation of a switch.

Element Id	Element Type	Element Sub Type	Discipline	IWP
Subsystem-CWR-0456-02	Sub-System	Piping Sub-System	Piping	IWP-Piping Rack Run
Subsystem-CWS-0456-01	Sub-System	Piping Sub-System	Piping	IWP-Piping Rack Run
Subsystem-HVAC-0456-01	Sub-System			IWP-MECH EQUIP-021
Subsystem-HVAC-0456-02	Sub-System			IWP-MECH EQUIP-021
Subsystem-PWR-0020-01	Sub-System		Electrical	
System-CW-0456	System			
System-HVAC-0456	System			
Tag-AHU-0303	Engineering Tag	Air Handler Unit	Mechanical	IWP-MECH EQUIP-021
Tag-AHU-0304	Engineering Tag	Air Handler Unit	Mechanical	IWP-MECH EQUIP-021
Tag-C-CP-0101-P-0101	Engineering Tag	Control Cable	Electrical	IWP-ELECTRICAL-CABLE-007
Tag-CP-0101	Engineering Tag	Control Panel	Electrical	IWP-ELECTRICAL-CABLE-007
Tag-CT-0001	Engineering Tag	Cooling Tower	Mechanical	IWP-MECH EQUIP-013
Tag-CTS-0001	Engineering Tag	Steel Structure	Structural	
Tag-Duct-0303-01	Engineering Tag	Ducting	HVAC	IWP-MECH EQUIP-021

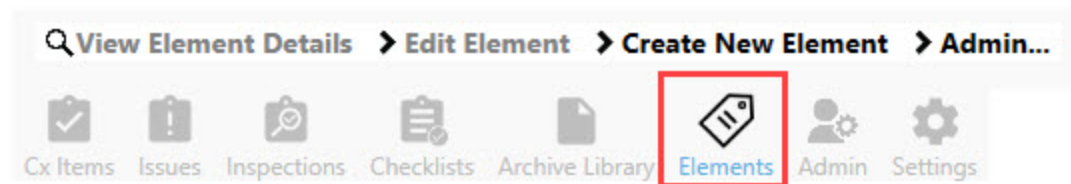
In addition, Elements can also be comprised of entire systems or units of work performed on a job. This can include whole blocks, systems, structures, or other different element types based on the size of a facility. The below table shows some of the many different element types.

Element Types	Description
Block	Functional area within a plant.
System	Functional system of a plant that performs an operation.
Sub System	A division of a system into smaller consumable parts. Many elements exist under sub systems.
Tagged Equipment	Individual pieces of equipment or components that have construction, pre-commissioning or commissioning work acted against them.
Process Lines	Named lines for process fluids to travel in between other lines or major equipment.

Element Types	Description
Soft Tags	Signal tags used for pre-commissioning.
Loops	Collections of instruments that perform a cause and effect function.
Test Packages	Collections of elements that are grouped together and tested.
Structures	For infrastructure, large structures that have work enacted against them. Structures can have multiple smaller subsets like backfill, sub structure, super structure that can be nested under the structures.
Segments	Segments of road or rail or pipeline or transmission lines.
Intersections	For light controls.
Signs	For Buildings.

6.1.1 Element Navigation

Within the Completions application, you can access the Elements screen by selecting the Elements icon at the bottom of the page.



NOTE Tab order and its functionality may differ from what is shown above.

While customizable, on the Element screen some core columns include:

Item	Description
1	Identification number of an Element
2	The classification of the Element can range from System, Sub System, Engineering Tag, Test Packages, Loops, etc
3	Sub-type

Elements

Engineering Tag 25 Loop 1 Sub-System 2 System 1

Showing 29 of 78 records

CLEAR SELECTION

CLEAR FILTERS

Element Id Discipline1

Element Type IWP2

Element Sub Type3

Subsystem-HVAC-0456-01	Sub-System	
	IWP-MECH EQUIP-021	
Subsystem-HVAC-0456-02	Sub-System	
	IWP-MECH EQUIP-021	
System-HVAC-0456	System	
Tag-AHU-0303	Engineering Tag	Air Handler Unit
Mechanical	IWP-MECH EQUIP-021	
Tag-AHU-0304	Engineering Tag	Air Handler Unit
Mechanical	IWP-MECH EQUIP-021	
Tag-Duct-0303-01	Engineering Tag	Ducting
HVAC	IWP-MECH EQUIP-024	
Tag-Duct-0303-02	Engineering Tag	Ducting
HVAC	IWP-MECH EQUIP-024	

6.1.2 Element Details

Selecting an Element brings you to the Element Details screen.

Back to Elements

01-DEVICENET POWER SUPPLY: TAGGED EQUIPMENT

Element Id	Element Type	Element Status	Location	sub.type	Hierarchy Value
01-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	Active		Instrument Cable	...at / 01-DEVICENET POWER SUPPLY

Tag Detail

Procurement Details

Contractor Details

Drawing Information

Testing Information

Engineering Information

Vendor

Attachments

Certificates

Checklists

Comments

Elements

Issues

Clicking on the **down arrow** next to the Element Details description expands additional attributes for each of the element descriptions.

← Back to Elements

Tag-I-TC-0303-01-ICP-0300-01: Engineering Tag

Element Id	Element Type	Location	Element Sub Type	Discipline	Description	Milestone	WBS
Tag-I-TC-0303-01-ICP-0300-01	Engineering Tag	Campus A / Utility BLD / Level 1 / 1-101	Instrument Cable	Electrical	Temperature Instrument Cable	2020 Q2	5000.01

IWP

IWP-I-TC-0303-01-ICP-0300-01

Tag Details

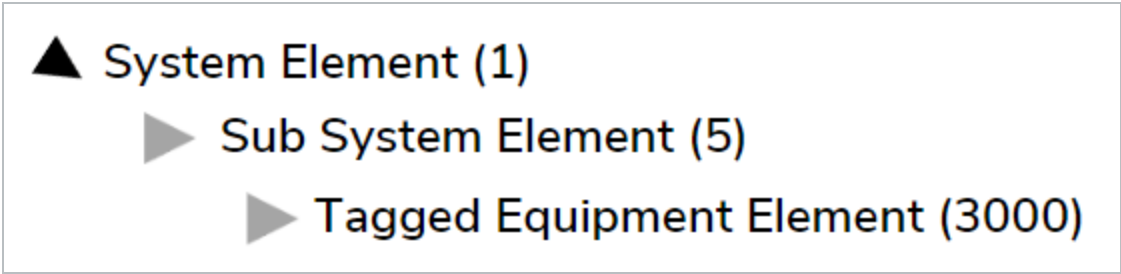
Project Group Number	Main Project	Project Name	Project Number	Module	Service	Physical Location	Unit
Demonstration Projects	Demonstration Projects	System Demo	DEMO-001				

Site Number

Electrical Information

6.1.3 Nested Elements

By nesting elements together, you are creating both a level of order and a defined structure to categorize your elements. System elements can contain several Sub System Elements. For example, Sub Systems can contain many Engineering Tag Elements. In order to isolate, quickly identify and locate these various types of Elements, it's helpful to arrange Element types in a hierarchical manner.



Some jobs can contain thousands of different element types, which could be difficult to search through. If your goal is to access a specific section of a plant within a job (like an HVAC system), the ability to nest your element types is useful for both organizing and when searching for specific elements within the HVAC system.

EXAMPLE: HVAC air handlers are located at the top of a building, which serves the purpose of supplying conditioned air throughout the entire building. This would be labeled as the HVAC **System Element**.

HVAC System



On each floor there are individual HVAC control units, which control the temperature for each one of the floors. An HVAC control unit is considered here as a **Sub System Element**.

HVAC Sub System



Within each of the individual HVAC floor control units, there are various pieces of equipment used to connect the thermostats and flapper valves to these individual floor units. These parts can be labeled as **Tagged Equipment Elements**.

HVAC Tagged Equipment



When these element types are nested together (Systems, Sub Systems, and Tagged Equipment), you can better organize all the element that make up your system. Below is an example of a nested hierarchy. Your hierarchy could be configured differently depending on how your project is set up.

System Element



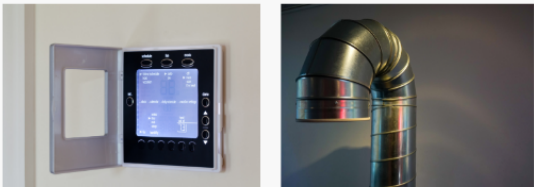
Entire System

Sub System Element



Section of System

Tagged Equipment Element



Components of System

6.2 NAVIGATE ELEMENT HIERARCHY

6.2.1 Navigate Element Hierarchy

Within the Elements tab, Element Id's are listed. To view the hierarchy behind those elements, click on the **Hierarchy** button.

TIP

Toggling the Hierarchy  button turns the hierarchy display on and off.

Looking at the hierarchy, 1E-LV-3-1 is the direct parent to those shown in yellow below. Element 1E-LV-3 is the direct parent to 1E-LV-3-1.

Engineering Tag Loop Sub-System

Showing 14 of 78 records

Room-CAMPUSA-UTLBLD-LVL1-101

Tag-CTS-0001

Tag-HKXS-0001

Tag-TKECP-0001

Room-CAMPUSA-UTLBLD-LVL1-203

Tag-SKIDS-0001

System-CW-0456

Loop-FP-CW-0001

Subsystem-CWR-0456-02

Subsystem-CWS-0456-01

Subsystem-PWR-0020-01

System-HVAC-0456

Subsystem-HVAC-0456-01

Loop-GS-HVAC-0303

Tag-AHU-0303

Tag-Duct-0303-01

Tag-Duct-0303-02

Tag-ICP-0300-01

Tag-I-TC-0303-01-ICP-0300-01

Tag-I-TC-0303-02-ICP-0300-01

Tag-MCC-0002

Tag-P-AHU-303-MCC-002

Tag-P-ICP-0300-01-AHU-303

Tag-TC-0303-01

Tag-TC-0303-02

Tag-TFMR-0303-01

Subsystem-HVAC-0456-02

Element Id	Element Type	Element Sub Type	Discipline	IWP
Loop-GS-HVAC-0303	Loop	Piping Loop	Piping	IWP-MECH EQUIP-021
Subsystem-HVAC-0456-01	Sub-System			IWP-MECH EQUIP-021
Tag-AHU-0303	Engineering Tag	Air Handler Unit	Mechanical	IWP-MECH EQUIP-021
Tag-Duct-0303-01	Engineering Tag	Ducting	HVAC	IWP-MECH EQUIP-024
Tag-Duct-0303-02	Engineering Tag	Ducting	HVAC	IWP-MECH EQUIP-024
Tag-I-TC-0303-01-ICP-0300-01	Engineering Tag	Instrument Cable	Electrical	IWP-ELECTRICAL-CABLE-006
Tag-I-TC-0303-02-ICP-0300-01	Engineering Tag	Instrument Cable	Electrical	IWP-ELECTRICAL-CABLE-006
Tag-ICP-0300-01	Engineering Tag	Thermostat Control	Instrumentation	IWP-ELECTRICAL-002
Tag-MCC-0002	Engineering Tag	Motor Control Cabinet	Electrical	IWP-ELECTRICAL-002
Tag-P-AHU-303-MCC-002	Engineering Tag	Power Cable	Electrical	IWP-ELECTRICAL-CABLE-006
Tag-P-ICP-0300-01-AHU-303	Engineering Tag	Power Cable	Electrical	IWP-ELECTRICAL-CABLE-006
Tag-TC-0303-01	Engineering Tag	Thermostat Control	HVAC	IWP-ELECTRICAL-002
Tag-TC-0303-02	Engineering Tag	Thermostat Control	Instrumentation	IWP-ELECTRICAL-002
Tag-TFMR-0303-01	Engineering Tag	Panel Integrated Transformer	Electrical	IWP-ELECTRICAL-002

Instance Id

Created Date

Created By

Last Modified Date

Last Modified By

Creating Instance Type

Creating Instance Id

Spatial Hierarchy Id

Inactive

Element Id

Element Type

Element Sub Type

Discipline

Description

Milestone

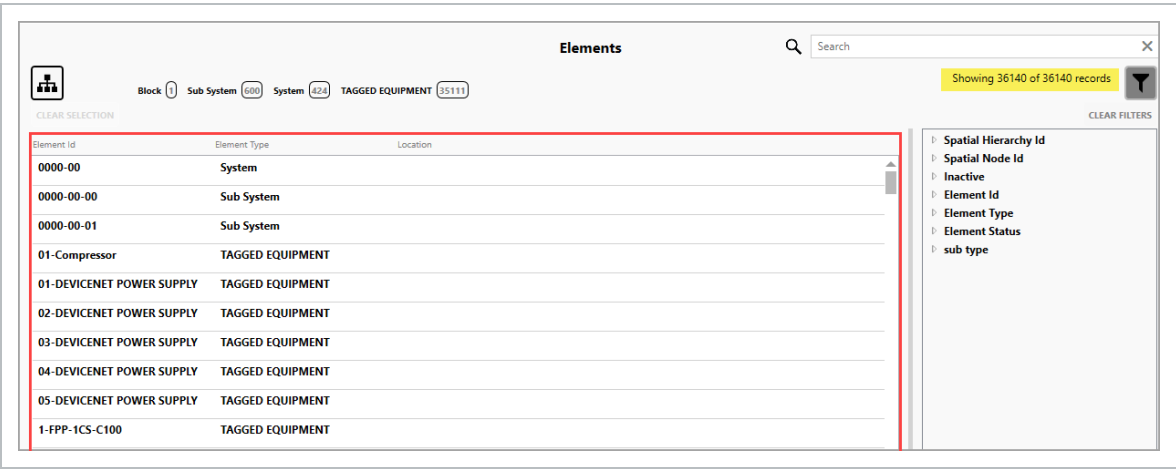
WBS

IWP

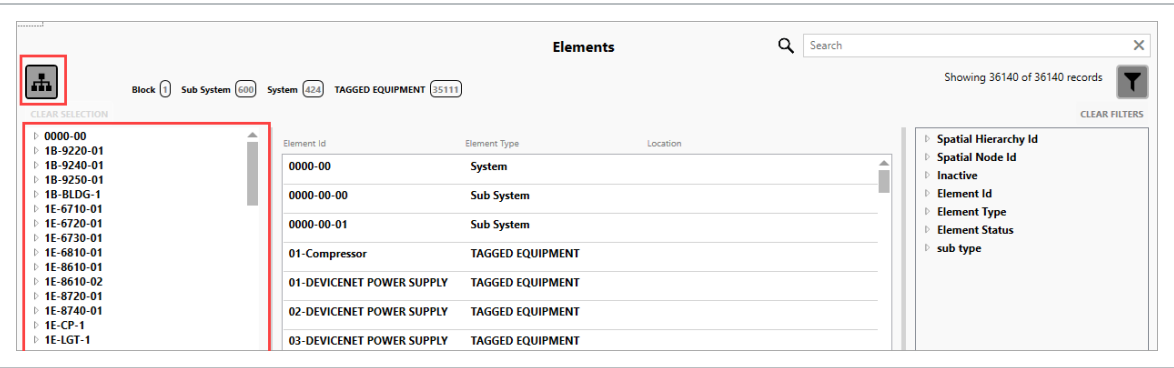
6.2.1.1 Hierarchies

Using an HVAC System as an example, when you turn on the HVAC sub system for one of the floors, it's possible to isolate individual components required to make the HVAC Systems and Sub Systems function. You can view the status and detail information for each of the individual components, which may include associated checklists, issues and defects.

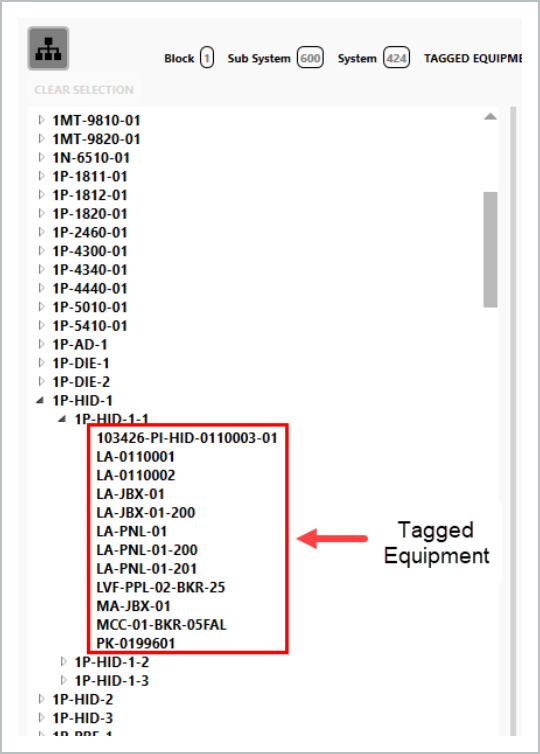
In the example shown below, you can see on the top right there are 36140 elements.



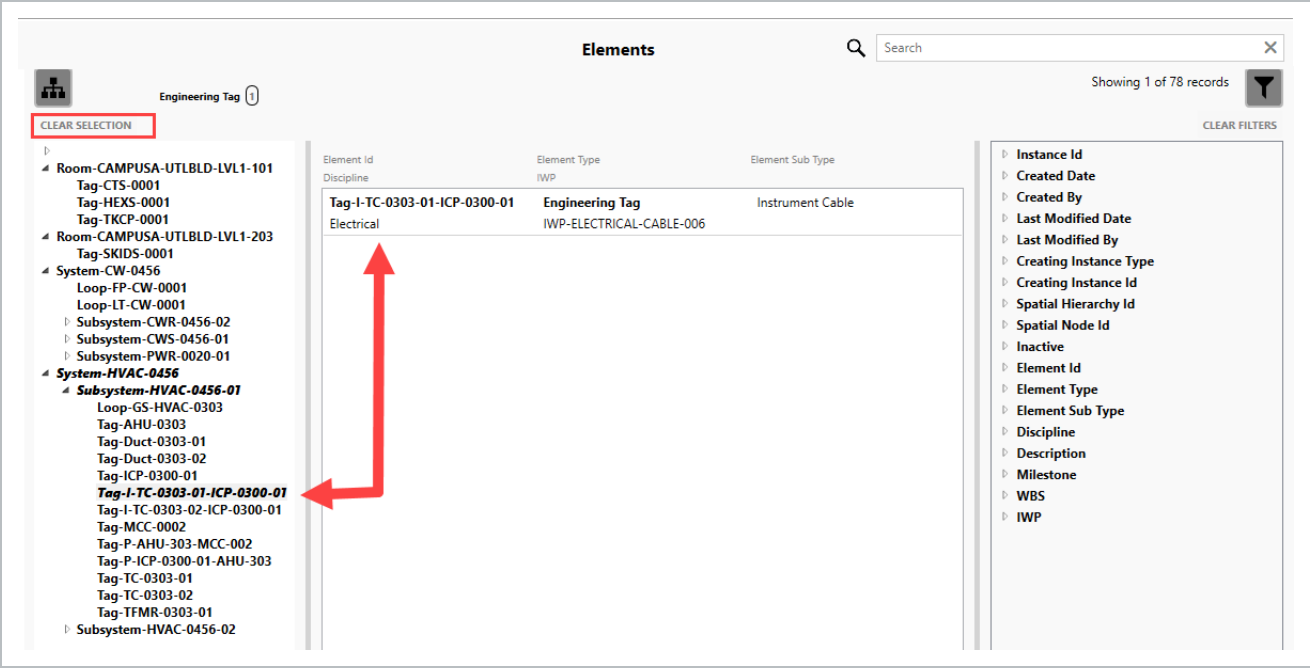
Selecting the hierarchy button allows you to better isolate the various elements in a more structured manner. You are also able to view the relationships and details of each of the Elements.



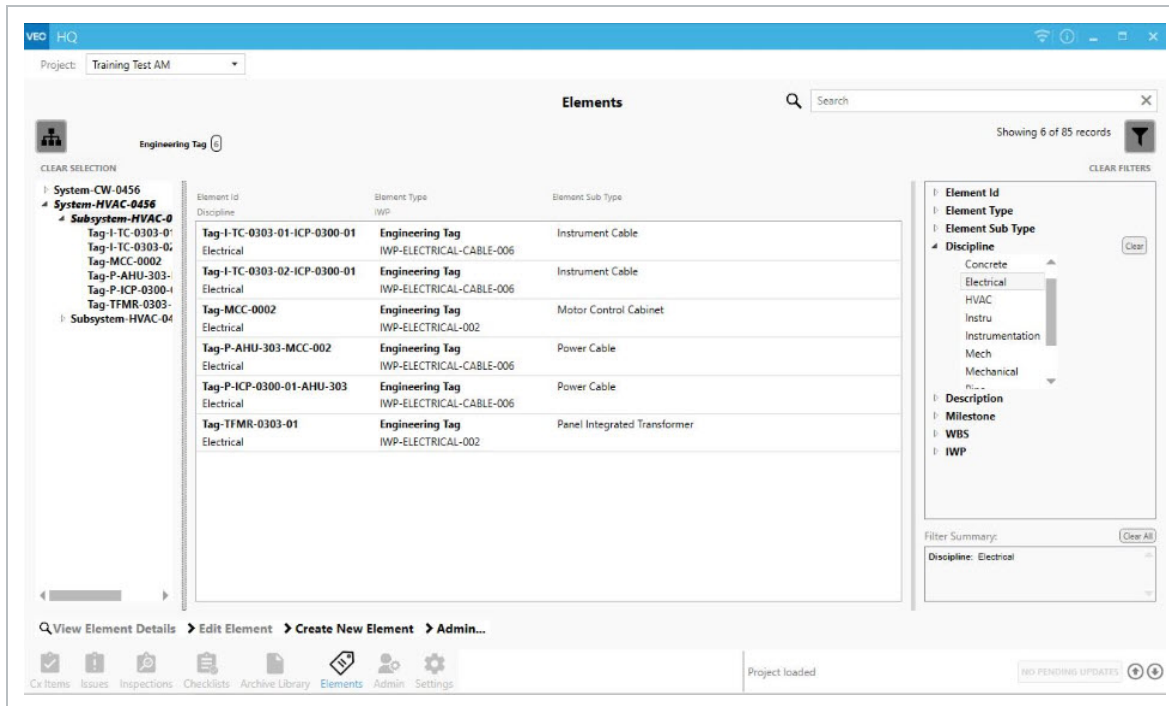
You can view your nested hierarchy for each of your systems and its associated elements.



When you are in an element within a specific hierarchy, a simple means to return to the listing of all elements is to click the **Clear Selection** button.

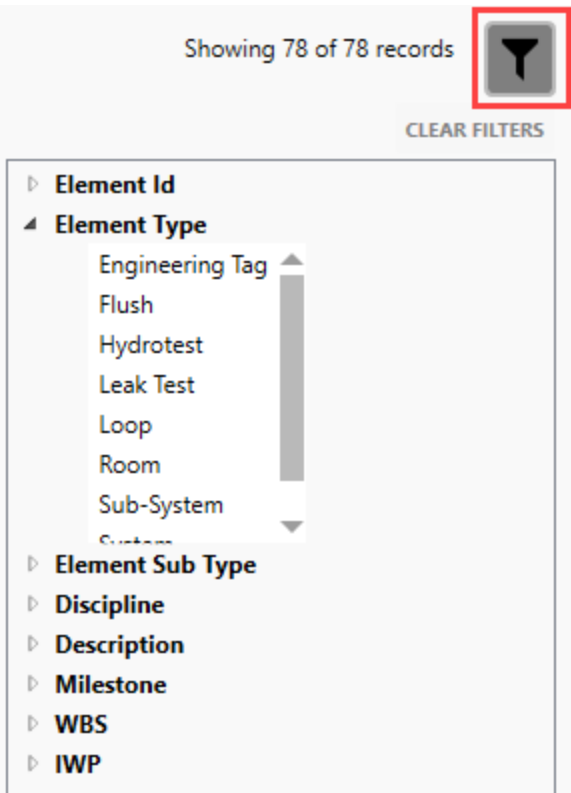


Alternatively, if you have first filtered the element, [using an "Element Status" of Commissioned as an example] and then pared down the list by searching for a specific sub-system in the hierarchy, clicking the **Clear Selection** button will move you up the hierarchy to system-level Commissioned elements. Similarly, if the filter was first selected, and you had a specific system selected, when you click the **Clear Selection** button, you will return to all Commissioned elements.



6.2.1.2 Filters

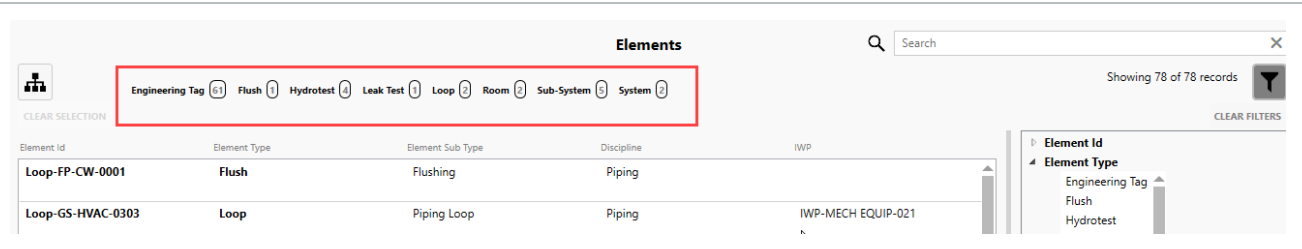
Using the filter icon allows you to jump to a desired element by selecting from the detail filter list. Filters can be used in conjunction with the hierarchy filter.



While searching for an element using the **Search** function may quickly lead you to your desired element, filters can be also used in conjunction with the hierarchy filter. Starting with a hierarchy filter quickly narrows the listing of all elements while the Filter option refines the search parameters.

6.2.1.3 Quick Filters

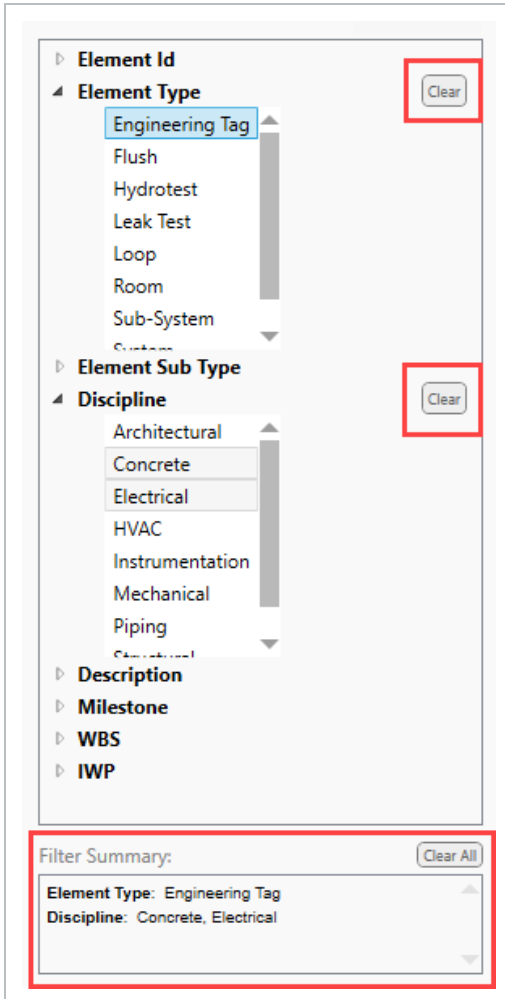
Quick filters are way to quickly view Tagged Elements. By selecting one of the Quick Filters such as Sub System, you can view all of the Elements that are tagged as Sub Systems.



NOTE Elements and their associated hierarchy should be created and structured accordingly as it pertains to your project, by your responsible team.

To move away from a drilled-down search, you could approach it in two ways:

1. First, you could click the **Clear All** button to remove all quick filters from the list of records. As shown below, if you had filtered on all "Tagged Equipment" that was "Active" and "Commissioned", clicking the Clear All button returns you to the listing of all records.
2. Alternatively, you can also remove Advanced Filters individually.



Clicking the **Clear** button on "Element Type" returns you to the list of all records.

Engineering Tag (61)

CLEAR SELECTION

Element Id	Element Type	Element Sub Type	Discipline	IWP
Tag-AHU-0303 IWP-MECH EQUIP-021	Engineering Tag	Air Handler Unit	Mechanical	
Tag-AHU-0304 IWP-MECH EQUIP-021	Engineering Tag	Air Handler Unit	Mechanical	
Tag-C-CP-0101-P-0101 IWP-ELECTRICAL-CABLE-007	Engineering Tag	Control Cable	Electrical	
Tag-CP-0101 IWP-ELECTRICAL-CABLE-007	Engineering Tag	Control Panel	Electrical	
Tag-CT-0001 IWP-MECH EQUIP-013	Engineering Tag	Cooling Tower	Mechanical	
Tag-CTS-0001	Engineering Tag	Steel Structure	Structural	
Tag-Duct-0303-01 IWP-MECH EQUIP-024	Engineering Tag	Ducting	HVAC	
Tag-Duct-0303-02 IWP-MECH EQUIP-024	Engineering Tag	Ducting	HVAC	
Tag-Duct-0304-01 IWP-MECH EQUIP-024	Engineering Tag	Ducting	HVAC	
Tag-Duct-0304-02 IWP-MECH EQUIP-024	Engineering Tag	Ducting	HVAC	
Tag-Duct-0304-03 IWP-MECH EQUIP-024	Engineering Tag	Ducting	HVAC	
Tag-HEX-0001 IWP-MECH EQUIP-013	Engineering Tag	Heat Exchanger	Mechanical	
Tag-HEXS-0001	Engineering Tag	Steel Structure	Structural	
Tag-I-IJB-0001-CP-0101 IWP-ELECTRICAL-CABLE-007	Engineering Tag	Instrument Cable	Instrumentation	
Tag-I-IJB-0001-CR-0001A IWP-ELECTRICAL-CABLE-007	Engineering Tag	Instrument Cable	Instrumentation	
Tag-I-IJB-0001-CR-0001B IWP-ELECTRICAL-CABLE-007	Engineering Tag	Instrument Cable	Instrumentation	
Tag-I-IJB-0001-CR-0001C IWP-ELECTRICAL-CABLE-007	Engineering Tag	Instrument Cable	Instrumentation	

Showing 61 of 78 records

CLEAR FILTERS

Element Id

Element Type

Element Sub Type

Discipline

Description

Milestone

WBS

IWP

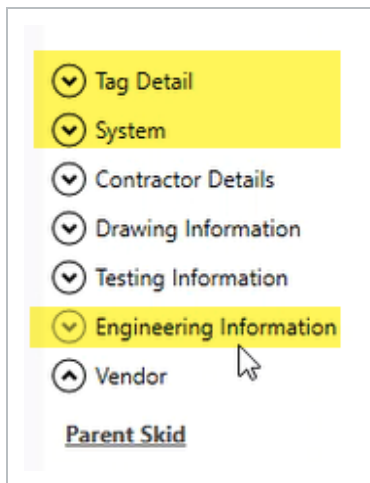
Filter Summary:

Element Type: Engineering Tag

6.3 ELEMENTS IMPORT

A typical job could have anywhere from 75,000 to 1 million tagged objects in the system. To avoid manually loading or manipulating the data individually – especially when those fields come from different sources – requires an alternate technique. That’s where importing an Excel file with the data into VEO streamlines the process.

For example, these three highlighted areas can all come from your Engineer Record on a project, but even from there, the data may be compiled from many different sources and get consolidated on the upload sheets.



Similarly, the Contractor Details come from the contractor doing the construction work and the Testing Information is usually dictated from the commissioning group. Vendor Information typically comes from your procurement system and Drawing Information typically comes from your document control. Importing elements begins with an Excel import sheet. This Excel file is created and then imported into Completions.

Upload Sheets have 3 functions:

1. Importing base information into Elements
2. Importing Other Tables and Fields of Information into Excel
3. Importing Element and Hierarchy Positions

6.3.1 Import Base Information into Elements

Creating an accurate Excel file for import is critical. Your InEight representative will provide the import templates for your projects.

The steps below show how to set-up and begin your Excel file.

6.3 Step by Step 1 — Import Base Information into Elements

1. InEight will provide the names of the tables and Import templates at project set-up. The first two rows are critical for data import:
 - **Row 1:** Identifies which table you're writing information to, showing Element Record (a core table) as seen below

- **Row 2:** Identifies, at minimum, the Element Id, Element Type, Element Status and Sub Type

Element Record	Element Id	Element Type	Element Status	Element Sub Type
PCV-40100	TAGGED EQUIPMENT	Active	PRESSURE CONTROL VALVE	
LSHH-41230	TAGGED EQUIPMENT	Active	LEVEL SWITCH HIGH HIGH	
PDI-31011B	TAGGED EQUIPMENT	Active	DIFFERENTIAL PRESSURE INDICATOR	
PSV-31012	TAGGED EQUIPMENT	Active	PRESSURE SAFETY VALVE	
SDV-71000	TAGGED EQUIPMENT	Active	SHUTDOWN VALVE	
PBA-806010A	TAGGED EQUIPMENT	Commissioned	DIAPHRAGM PUMP	
TE-41300B2	TAGGED EQUIPMENT	Active	TEMPERATURE ELEMENT	
T-31002A	TAGGED EQUIPMENT	Active	CONTROL POWER TRANSFORMER	
PDI-80702	TAGGED EQUIPMENT	Active	DIFFERENTIAL PRESSURE INDICATOR	
SC-20275	TAGGED EQUIPMENT	On-Hold	SPEED CONTROLLER	

NOTE

Field Names must match exactly what's written in the database for both the table and the column.

- Enter, import or copy data into the remaining rows of the spreadsheet for import to the system.

- Using the example above, in Row 3 Element PCV-40100 is an Active piece of Tagged Equipment pertaining to a Pressure Control Valve

- NOTE** If the field being uploaded to is a defined picklist, the user needs to ensure that the values in the Excel match the values defined. If the picklist is a Hierarchy Picklist it has to follow the convention of "Value 1", " / ", "Value 2", " / ", "Value 3". This may require concatenation of multiple columns from the data source.

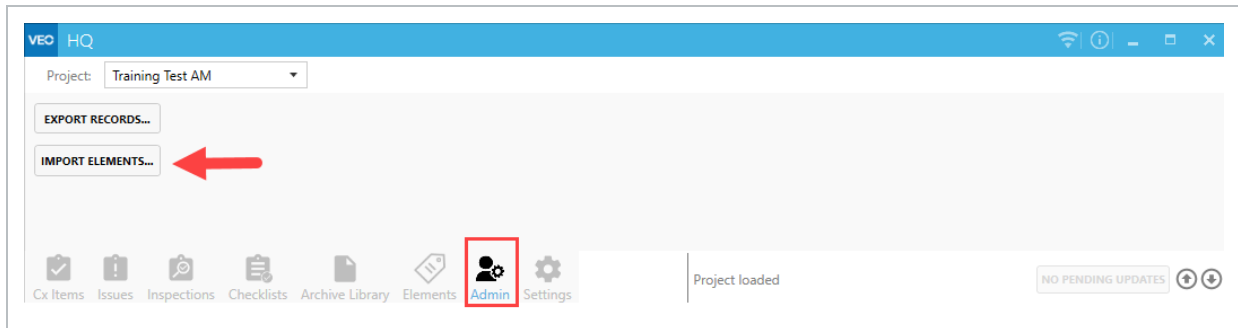
- Save the Excel file with your desired file name as an .XLSX extension.
- Close the .XLSX file.

6.3.2 Load Base Information into the System

With an Excel Import file created, you can now import that file into your project.

6.3 Step by Step 2 — Load Base Information into the System

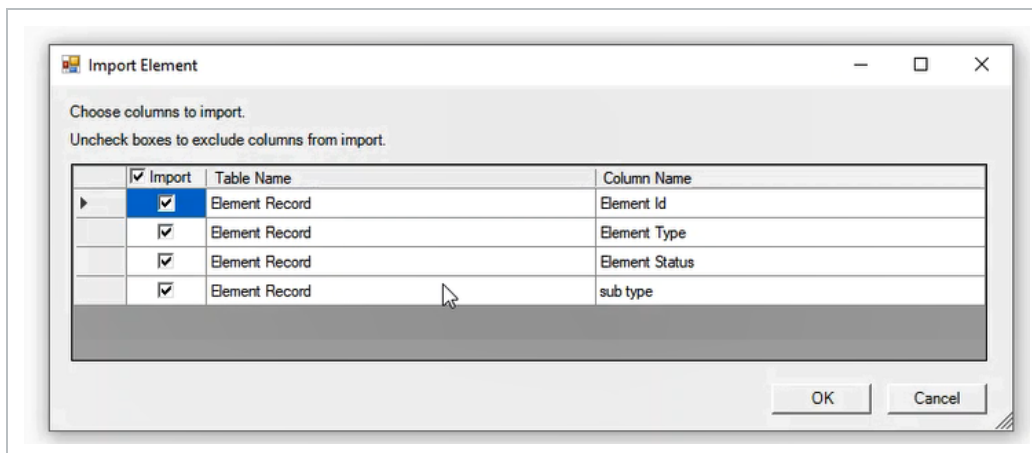
1. Click on the **Admin** button.
2. Click on the **Import Elements** button.



3. Navigate to and open the newly created Excel .XLSX file.
 - The system will analyze the top 2 rows of the .XLSX file for upload

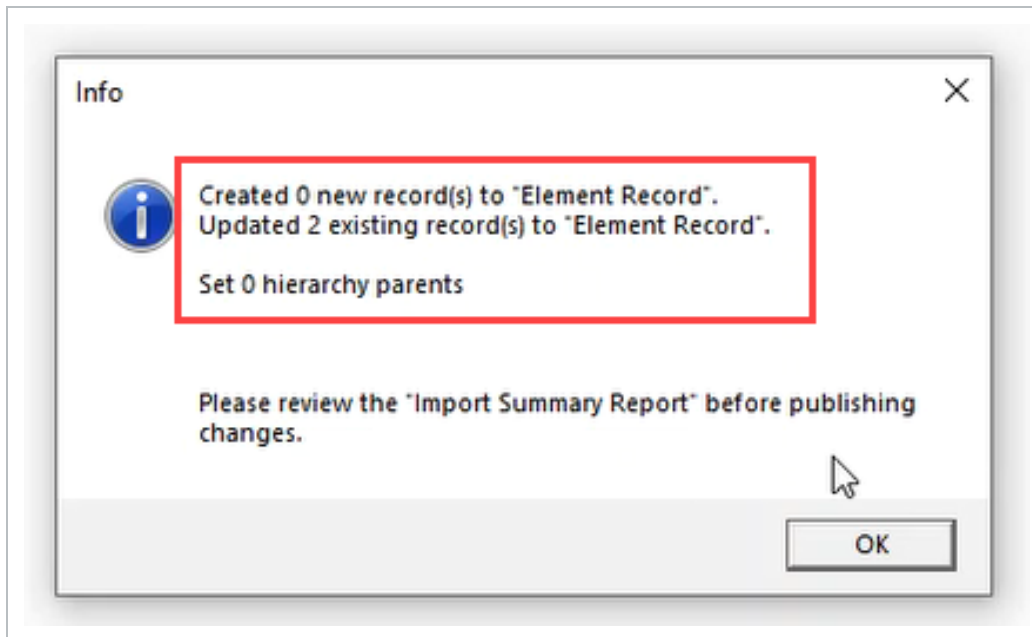
NOTE

There is an option to de-select (or not import) certain columns into the system by un-checking the appropriate Import column box



4. Click **OK**.
 - All the records from the sheet will be analyzed against the current database. If any values are different, those values will be added in. If data is updated based on the Element ID, those new values will be populated

- A pop-up will indicate what was created and modified



5. Click **OK**.

NOTE

The import will replace all values for each record that is imported. If a field is uploaded as blank from the import it will overwrite any values in the system.

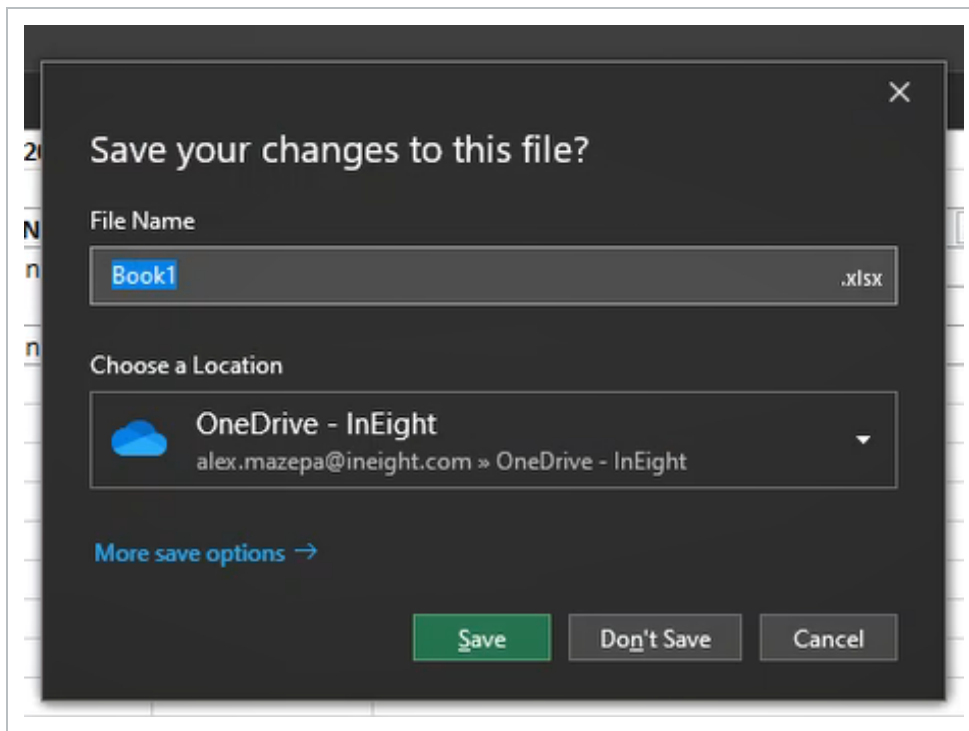
6.3.2.1 View Imported Changes

To see what the imported changes are, a new spreadsheet pops up as an Import Summary Report which identifies the changes made.

	A	B	C	D	E	F
1	NO UAT Testing 2	Summary for "Elements" import processed at:	5/29/2020 12:49			
2						
3	Row Number	Element Id	Table Name	Column Name	Diff	Warning Message
4	5	PDI-31011B	Element Record	Element Status	Element Status from "" to "Active"	-
5				Element Type	Element Type from "" to "TAGGED EQUIPMENT"	-
6	9461	01-DEVICENET POWER SUPPLY	Element Record	sub type	sub type from "Instrument Cable" to ""	-

- On Tag PDI-21011B, the Element Status went from blank to Active
- On Tag PDI-21011B, the Element Type went from blank to Tagged Equipment
- On Tag 01-DEVICENET POWER SUPPLY, the Sub-type went from Instrument Cable to blank

This report is recommended to be saved by clicking **Save** in Excel.


TIP

InEight recommends that the project admin retains 1) the reports and 2) the imports for traceability.

Alternatively, the same data is presented in a different manner under the Import Summary Report Data tab.

Close the report by clicking the **Don't Save** button.

Click on the **Pending Updates** button in the lower right corner of the screen.

Either click **Publish** or **Discard** and click **OK**.

6.3.3 Import Other Tables and Fields of Information into Excel

Other tables and fields of information are also populated using the Import function.

← Back to Elements

Element ID

Tag-IT-C0303-01-ICP-0300-01

IWF

IWP-ELECTRICAL-CABLE-006

ⓘ Tag Details

Project Group Number

Demonstration Projects

Site Number

Main Project

Demonstration Projects

Project Name

System Demo

Project Number

DEMO-001

Module

Service

Physical Location

Unit

ⓘ Electrical Information

Element Record	Element Record	Element Record	Element Record	Element Record	Hierarchy Parent	Tag Details	Tag Details	Tag Details	Tag Details	Tag Details	
Element ID	Element Type	Description	Discipline	Element Sub Type	IWF	Project Group Number	Main Project	Project Name	Project Number	Module	Service
Tag-TC-0303-01-ICP-0300-01	Engineering Tag	Temperature Instrument Cable	Electrical	Instrument Cable	IWP-ELECTRICAL-CABLE-006	Demonstration Projects	Demonstration Projects	Demonstration Projects	DEMO-001		
Tag-IT-03002-TIC-0001	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW
Tag-UB-0001-TIC-0010	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW
Tag-IB-0001-TIC-0010	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW
Tag-TC-0303-02-ICP-0300-01	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-006	Subsystem-IWAC-0456-01	Demonstration Projects	Demonstration Projects	DEMO-001		
Tag-UB-0001-CH-0001A	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW
Tag-UB-0001-CH-0001B	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW
Tag-UB-0001-CH-0001C	Engineering Tag	Temperature Instrument Cable	Electrical	Instrumentation Instrument Cable	IWP-ELECTRICAL-CABLE-007	Subsystem-CWS-0456-01	Demonstration Projects	Demonstration Proj System Demo	DEMO-001	MCD-001	CW

NOTE

As a precautionary measure to ensure extra uploading security, the term “Tag Details” is shown on the HQ user interface and the name of the table as recognized by the server is “Element Tag Details.”

Scrolling across the top of the spreadsheet are different tables identified that align with the tables within VEO.

Element Record		Element Record		Element Record		Element Record		Element Record		Element Record		Element Record		Element Record		Tag Details		Tag Details		Tag Details		Tag Details		Tag Details	
Discipline	Element Sub Type	Milestone	WBS	Campus	Building	Level	Room	IWP	Project Group Number	Main Project	Project Name	Project Number	Module												

Uploading data follows the same process as shown above.

6.3.4 Change Element Engineered Tags Using Import

If an engineered tag for an existing element needs to change, but you don't want to lose corresponding data on any other table, a mechanism using an Instance Id will make that happen.

In all other situations, everything keys off of the Element Id unless there's a column in the Import called Instance Id.

NOTE

This function is only available to ADMIN users.

When there is a value in that cell, the Import will look up the Instance Id value in Column A, and not the Element Id in Column B.

6.3 Step by Step 3 — Add an Instance Id

1. Insert a new Column A.
2. Name A1 **Elements** and A2 **Instance Id**.
3. Locate and edit the tag to edit in Column B.

4. Add the updated Element Record information to the corresponding cell in Column A.

Element Record	Element Record	Element Record	Element Record	Element Record
Instance Id	Element Id	Element Type	Element Status	sub type
9112870f-0219-463a-8d27-d6a19ee59ede	!TEST-FPP-1CS-C100	TAGGED EQUIPMENT	In Design	
6874c295-2406-4246-8361-ca8c4a18aa86	0000-00	System	Active	
db3719df-8c4b-45b3-918a-c12a5e530a4e	0000-00-00	Sub System	Active	
e1efe8f1-3ff2-45d3-8e22-268a969a9c56	0000-00-01	Sub System	Active	
a1eca3fa-77f5-4db6-a4f5-a8630daa3d08	01-Compressor	TAGGED EQUIPMENT	Open	RECYCLE COMPRESSOR
3a69dae9-70dd-4681-8371-a52cc0a13f7b	01-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	Active	Instrument Cable
54a2730a-d0b7-4954-8a31-0d0ab1368028	02-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	On-Hold	DISTRIBUTION BOARD
1fd21ff6-2a93-4c6c-aca0-ecf7323e72bb	03-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	Active	DISTRIBUTION BOARD
9345732e-fded-4eae-b886-600444c509de	04-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	On-Hold	DISTRIBUTION BOARD
72a8009e-4bcc-41f5-a1c5-5f332429a45d	05-DEVICENET POWER SUPPLY	TAGGED EQUIPMENT	Active	DISTRIBUTION BOARD
f535ca18-d099-423b-8a27-78a00d460100	1-FPP-1CS-C100	TAGGED EQUIPMENT	In Design	
45ef33f4-1e42-46a4-ba12-828ef3012da9	1-FPP-1CS-E137	TAGGED EQUIPMENT	In Design	
065573d8-8919-45e8-b2e2-cab135a68a3d	1-FPP-1CS-E200	TAGGED EQUIPMENT	In Design	
caec9e1e-c68c-46f5-acbf-c18b64fb8b72	1-FPP-1CS-E201A	TAGGED EQUIPMENT	In Design	

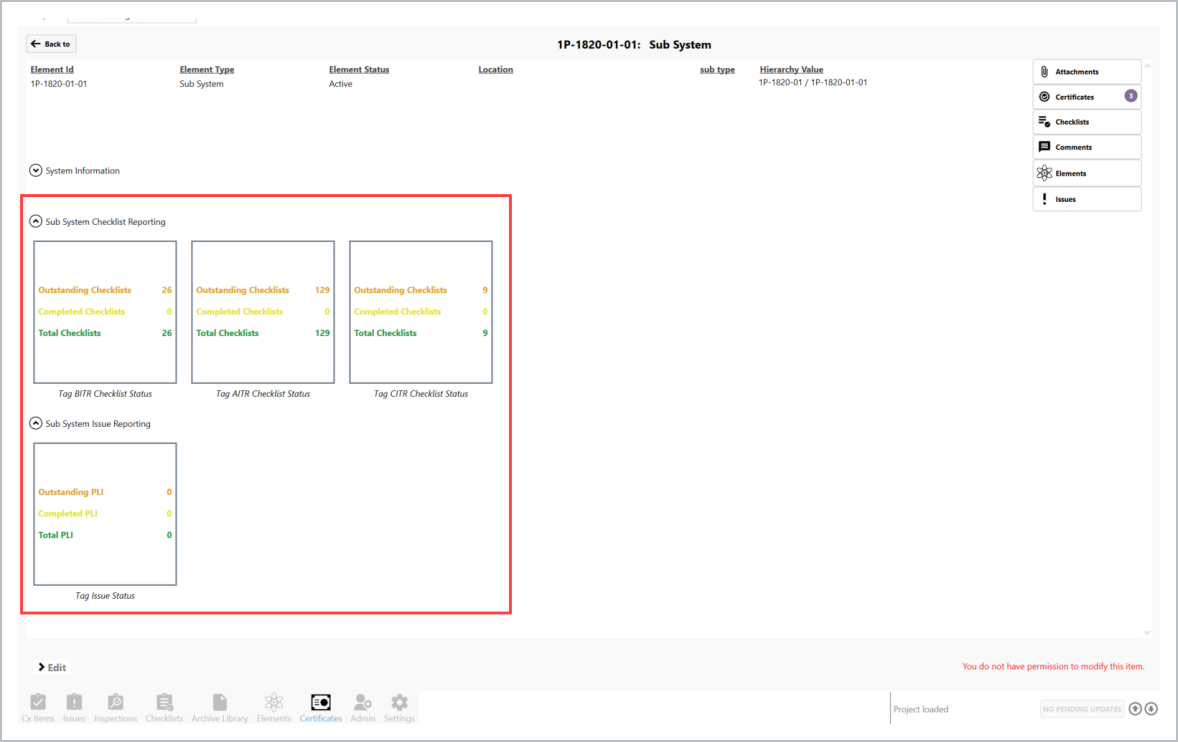
5. Save the Upload file.
6. Import the file to VEO.

6.4 PROGRESS ROLL-UP REPORTS

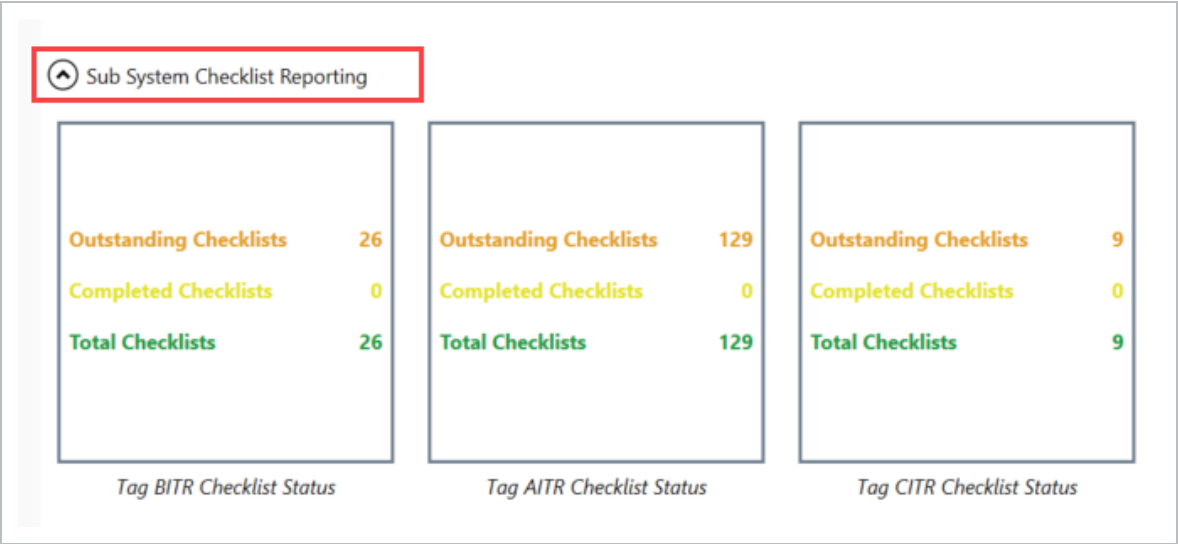
6.4.1 Value of Progress Roll-up Reports

Progress roll-up reports provide a visual means to look into elements and the items linked to them in meaningful ways from a system or sub-system level.

In this example, and from within a sub system, two drop-downs provide a visual representation of both Checklist and Issue status.



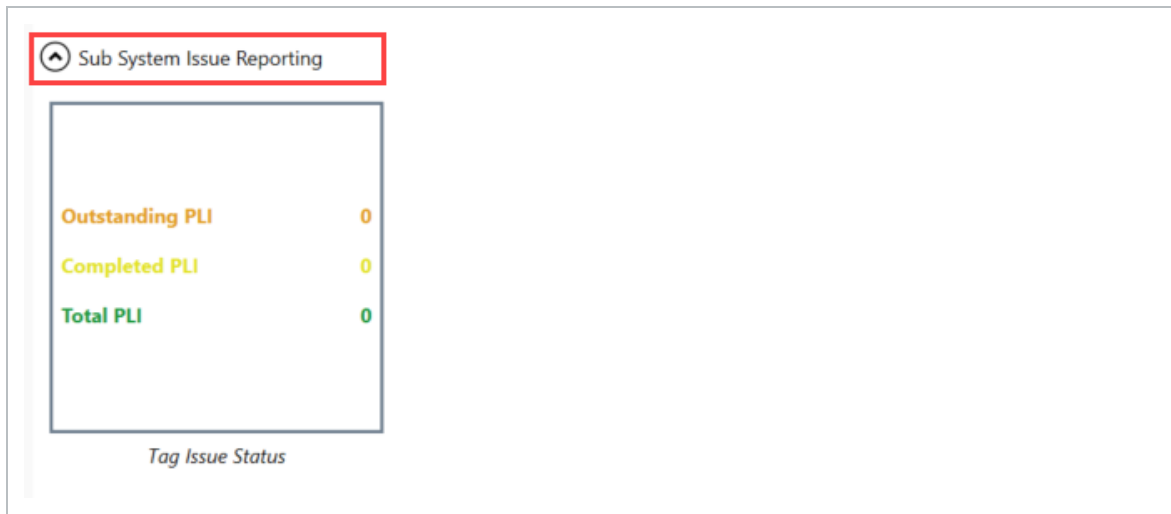
After clicking on the **Sub System Checklist Reporting** drop-down you see three blocks showing Outstanding, Completed and Total Checklist statuses for each of the checklist types:



TIP

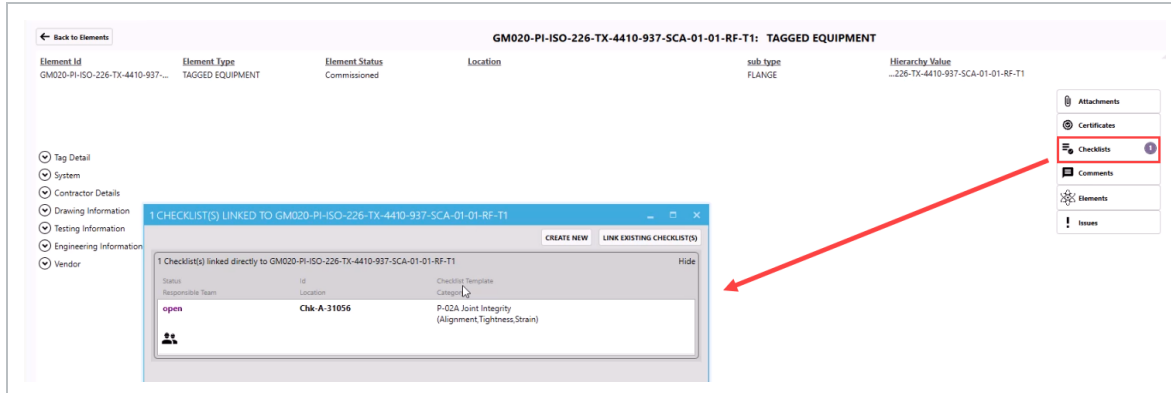
Type A (ATR) qualify against the Construction Complete (CC) Checklist
Type B (BTR) looks at the Ready for Commissioning (RFC) Checklist
Type C (CTR) looks at the Ready For Startup (RFSU) Checklist

Similarly, clicking on the **Sub System Issue Reporting** drop-down shows the Tag Issue Status Report which summarizes the Issues against the children in the sub-system.



With thousands and thousands of elements in a project, having a simple means to "see" multiple levels down in the system in meaningful ways is both beneficial and a time-saver.

All sorts of custom roll-up reports can be configured. In this example, for a Tagged Equipment element, checklists would appear counting it against the overall total, as shown in the blocks above.



In the Certificates lesson, you will also visually see the value for Progress Roll-up Reports when it comes to Completeness Reports and Loop Readiness Reports as a means to ensure all checklists have been completed.

Lesson 6 Review

1. Elements are only comprised of entire systems, sub-systems, or blocks types.
 - a. True
 - b. False

2. The value in nesting elements together is to provide a level of order and a defined structure to categorize your elements.
 - a. True
 - b. False

3. Selecting the hierarchy buttons allows you to: (select all that apply)
 - a. View the relationships and details of each of the Elements
 - b. Search the elements for keywords to refine the selection
 - c. Filter on the elements for pieces of metadata
 - d. All of the above

4. Upload Sheets serve the following functions: (Select all that apply)
 - a. Importing Element and Hierarchy Positions
 - b. Importing base information into Elements
 - c. Importing Other Tables and Fields of Information into Excel

5. Progress Roll-up Reports can visually represent Sub system Checklist reporting and Sub system Issue reporting comparing outstanding, completed and total statuses.
 - a. True
 - b. False

Lesson 6 Summary

As a result of this lesson, you can:

- Work with Elements
- Navigate Element hierarchy

- Import and load data into Elements

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LESSON 7 – ATTACHMENTS

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Upload an attachment
- View and link a Completions attachment

Topics in this Lesson

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7.4 HQ Attachments	147
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7.1 ATTACHMENT MANAGEMENT

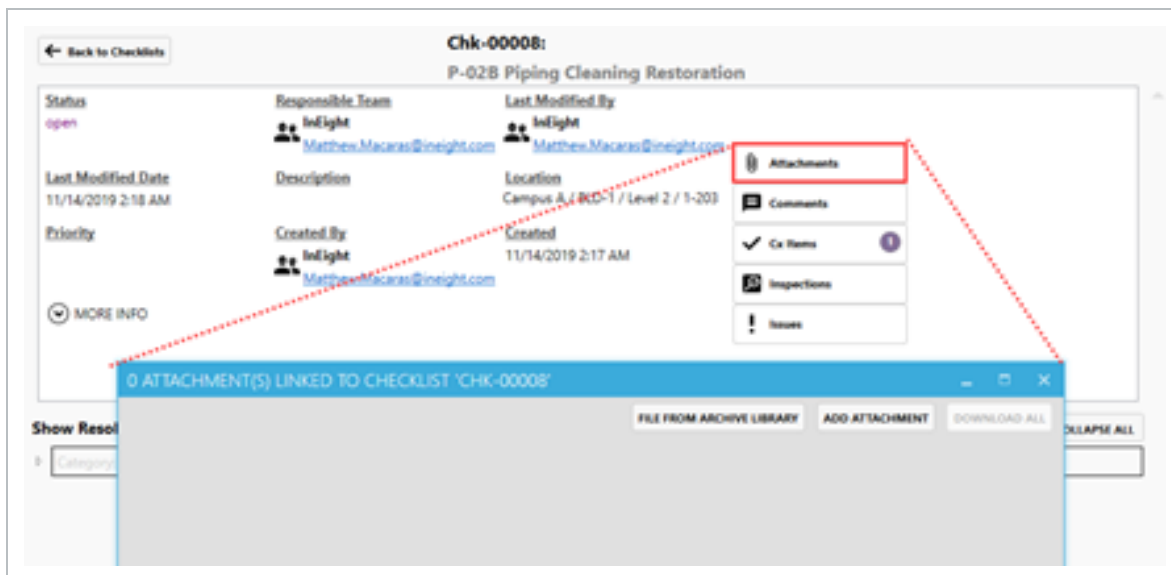
NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

7.1.1 Upload Attachments

Aside from signing phases, answering checklists, and creating/updating issues, users working in the Completions application can also add and link attachments.

Attachments can be added to any module based on your permission level, using a Cx Item as an example below. They can be added in the same manner to a Phase, an Issue, Inspection and a Checklist.

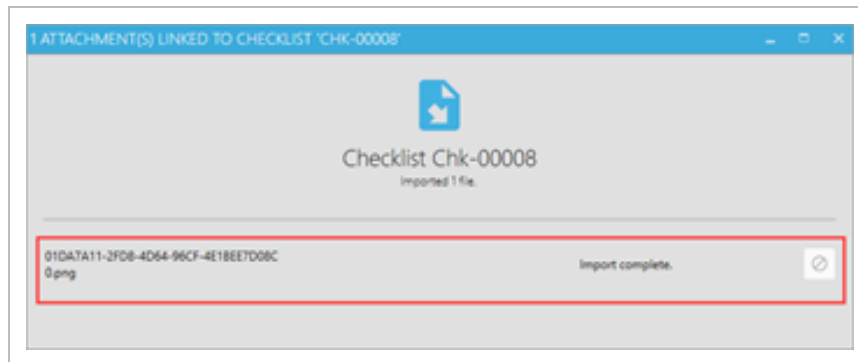


7.1 Step by Step 1 — Add an Attachment

1. Starting from the desired Cx Item, Phase, Issues, Inspection or Checklist, click the **Attachments** button.
2. Click the **Add Attachment** button.
3. Select the image from the desired folder or location.

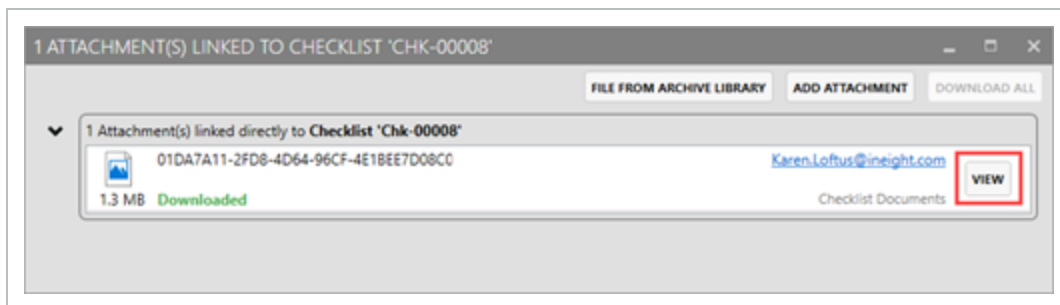
4. Click **Open**.

- A new pop-up window reflects the import

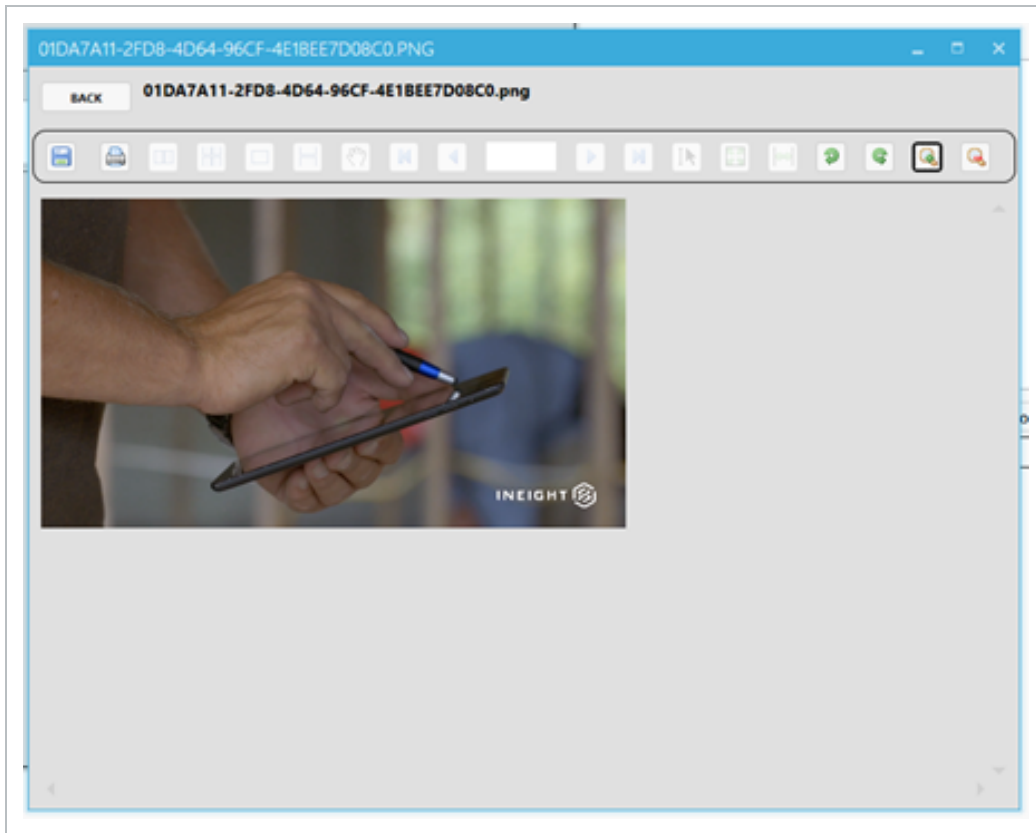


5. Click **OK**.

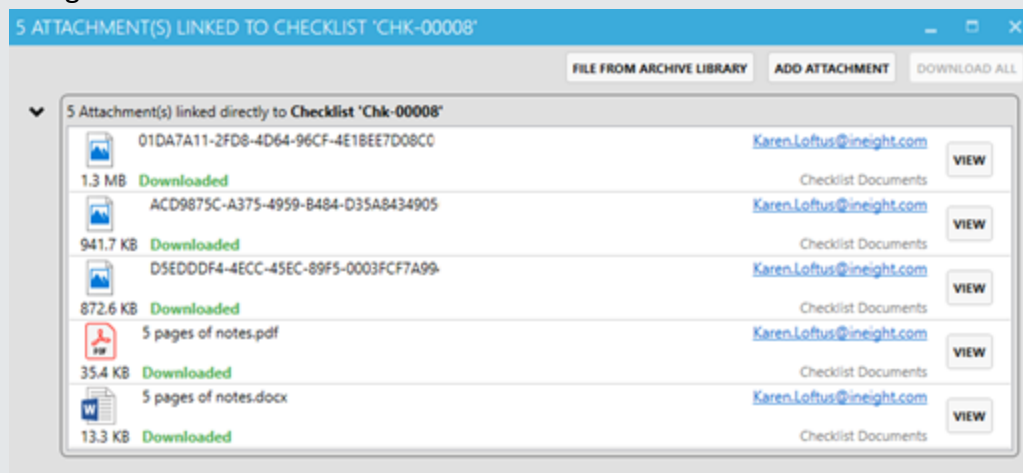
- The attachment now appears in the Attachment pop-up, along with additional data about the attachment and the email of the individual that uploaded the attachment



- Additionally, you can now view the attachment by clicking the **View** button

**NOTE**

You can also select multiple images to bring in at once, resulting in multiple attachments being linked.

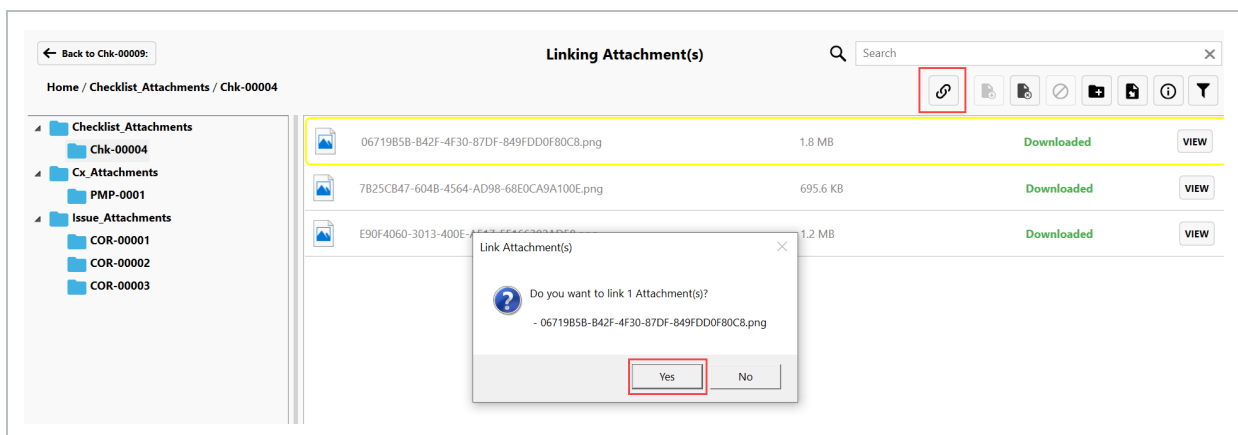
**TIP**

To remove an image, right-click on the attachment record within the Attachment(s) Linked to Checklist pop-up window.

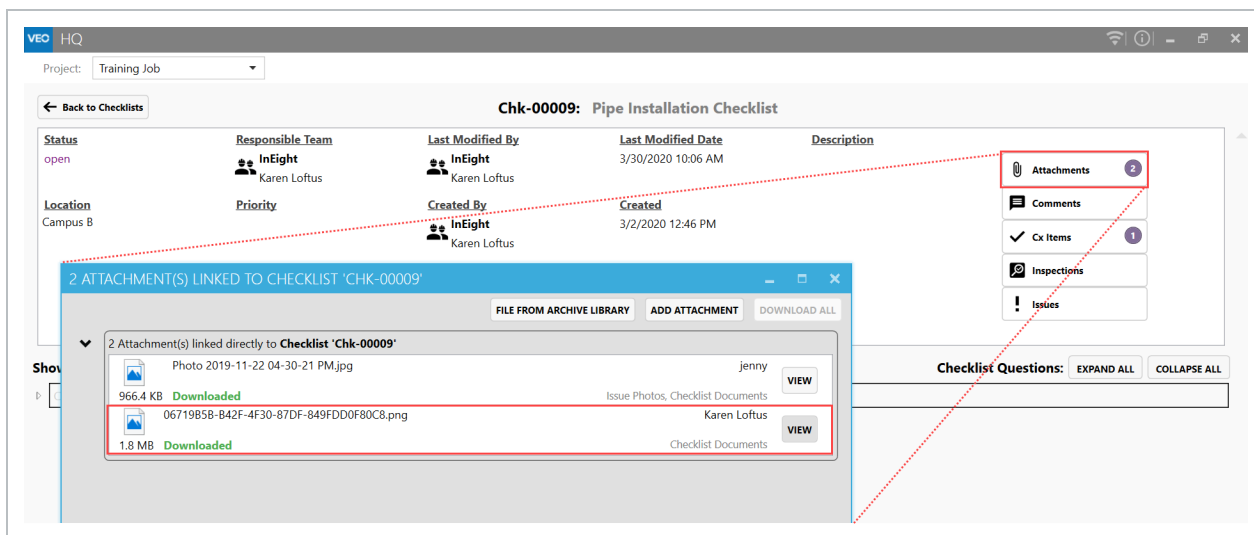
The following Step-By-Step outlines the process for adding a file from the archive library.

7.1 Step by Step 2 — Add a File from the Archive Library

1. Starting from the desired Cx Item, Phase, Issues, Inspection or Checklist, click the **Attachments** button.
2. Select the **File From Archive Library** button.
3. Navigate to your preferred folder, either using the folder structure on the left or by clicking through each folder on the right.
4. Select an image(s).
5. Click on the **Link Select Item(s)** icon.
6. Click on the **Yes** button to confirm linkage of the attachment(s).



As a result, the linked image is now shown as an attachment.



7.2 ATTACHMENT UPLOAD

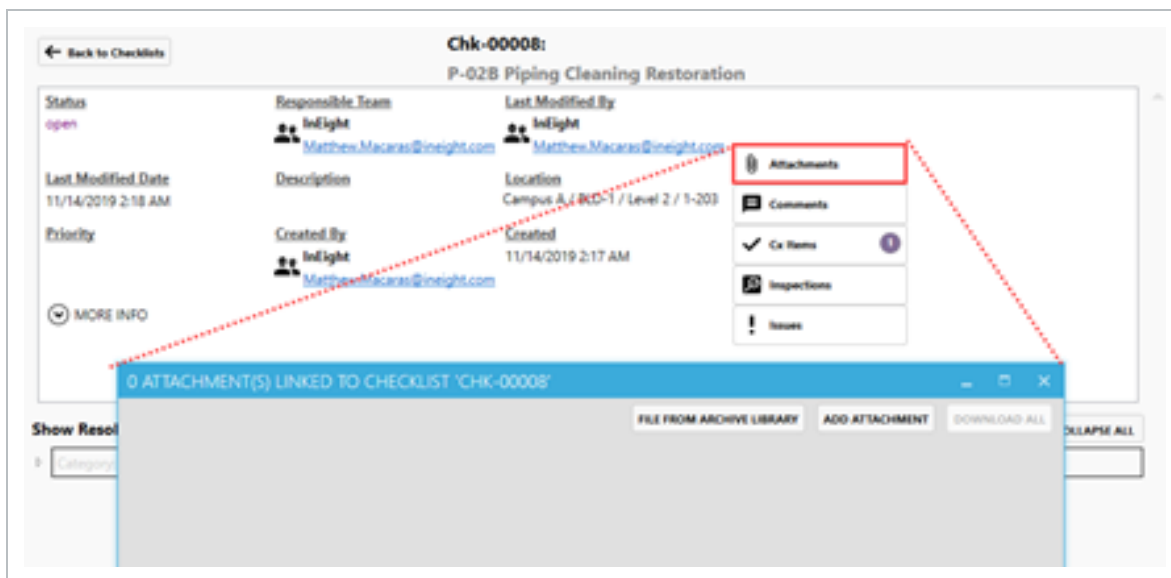
NOTE

The InEight Completions product is highly customizable per your specific project requirements. Tab order and its functionality may differ than what is shown.

7.2.1 Upload Attachments

Aside from signing phases, answering checklists, and creating/updating issues, users working in the Completions application can also add and link attachments.

Attachments can be added to a specific Cx Item as shown below. They can be added in the same manner to a Phase, an Issue, Inspection and a Checklist.

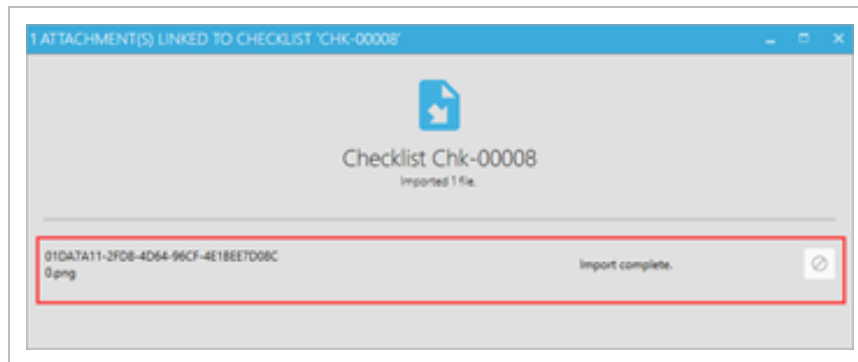


7.2 Step by Step 1 — Add an Attachment

1. Starting from the desired, Cx Item, Phase, Issues, Inspection or Checklist, click the **Attachments** button.
2. Click the **Add Attachment** button.
3. Select the image from the desired folder or location.

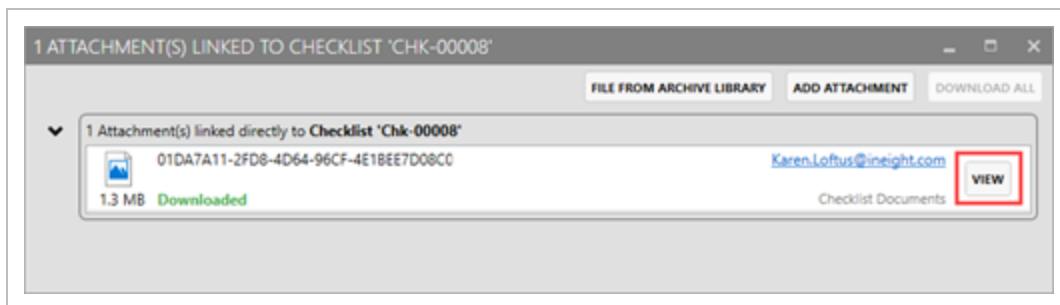
4. Click **Open**.

- A new pop-up window reflects the import

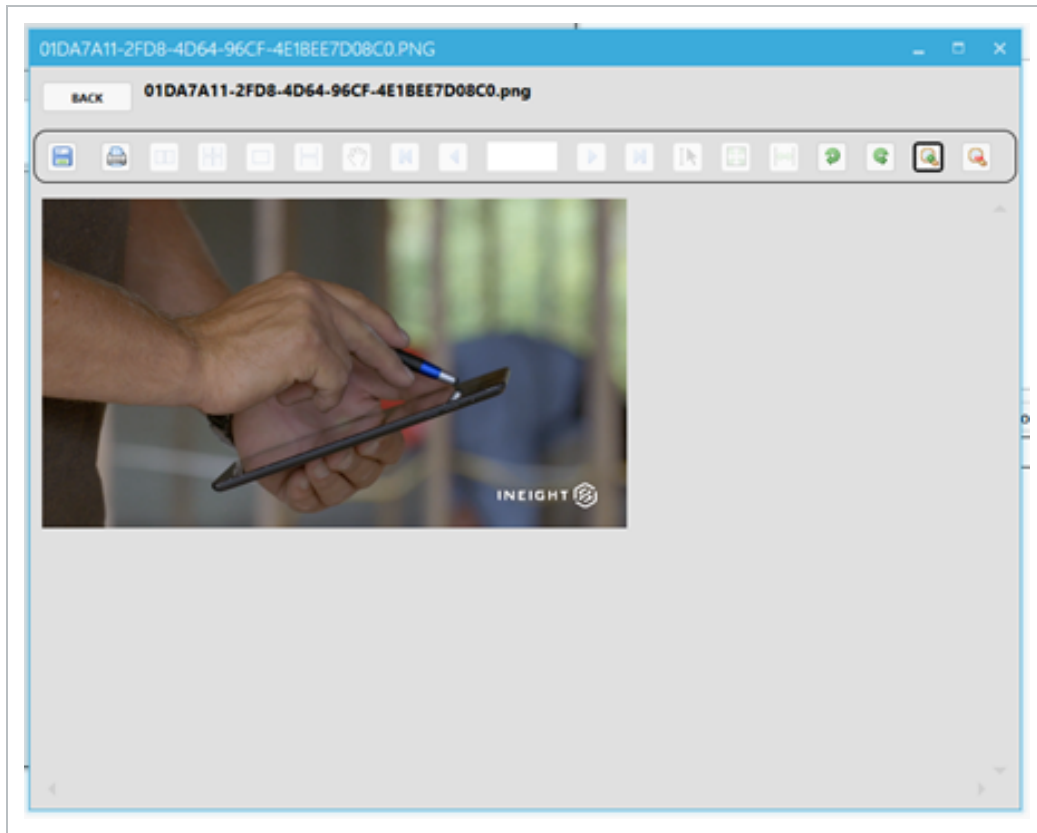


5. Click **OK**.

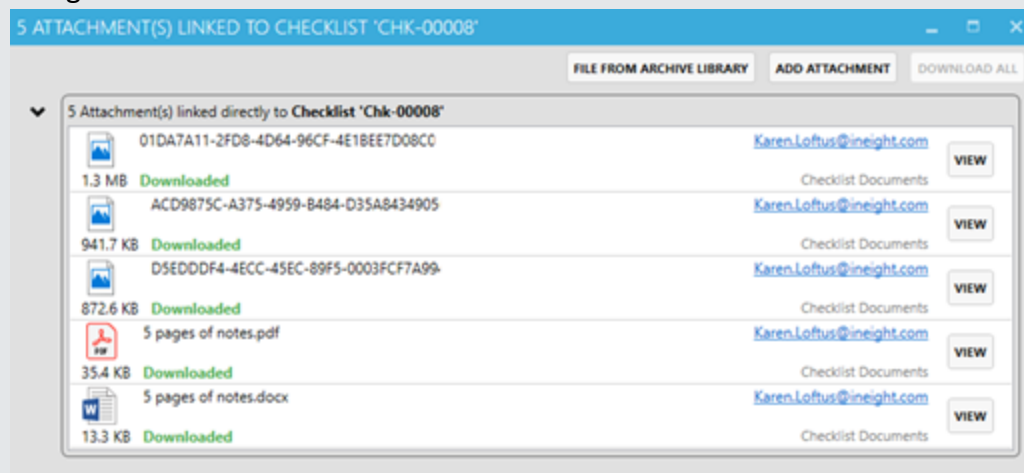
- The attachment now appears in the Attachment pop-up, along with additional data about the attachment and the email of the individual that uploaded the attachment



- Additionally, you can now view the attachment by clicking the **View** button

**NOTE**

You can also select multiple images to bring in at once, resulting in multiple attachments being linked.

**TIP**

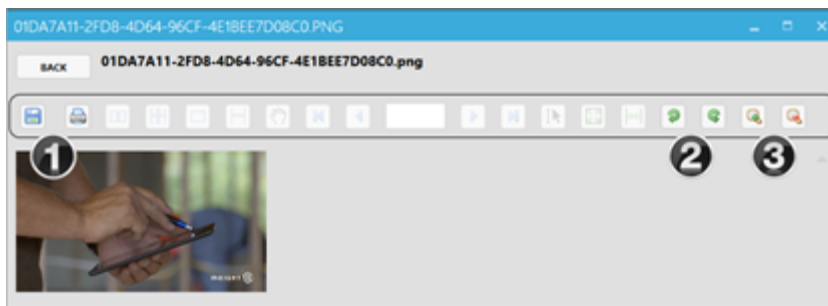
To remove an image, right-click on the attachment record within the Attachment(s) Linked to Checklist pop-up window.

7.3 ACCESS ATTACHMENTS

7.3.1 View an Attachment in a Desktop Application

When an Image file is attached, viewing functionality is limited to:

1. Save and Print
2. Rotate clockwise and counter-clockwise
3. Zoom In and Zoom Out

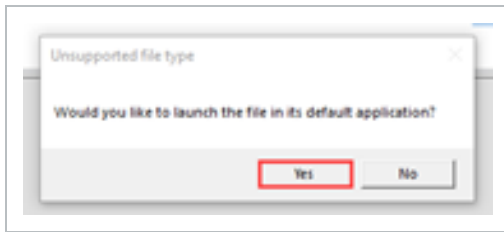


When attaching a PDF document, all functionalities exist, including:

	Description
1	Save and Print
2	Facing 2-up and 4-up
3	Single page, Single Continuous and Pan
4	First / Last Page and Previous / Next Page
5	Select
6	Fit Page and Fit Width
7	Rotate Clockwise and Counter-Clockwise
8	Zoom In and Zoom Out



When opening a Word or Excel document, a pop-up asks if you would like to launch the file in its default application. Click **Yes** to proceed.



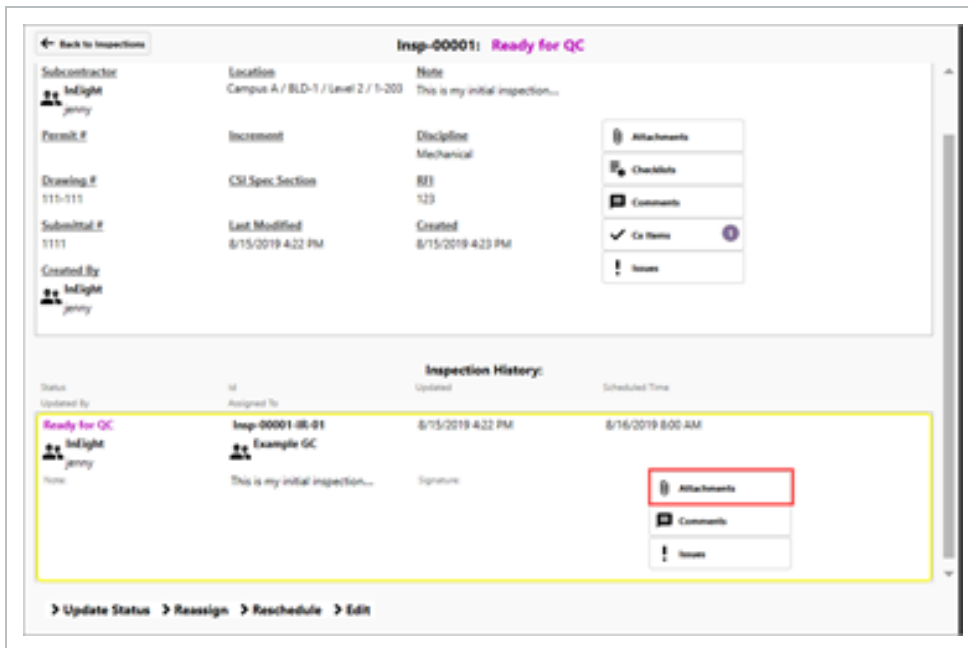
TIP

We do not recommend uploading external applications such as Word or Excel, due to conversion issues when printing.

7.3.2 Link Attachments

Linking an attachment is useful when a desired attachment exists in one area, and also when tying it to another aspect of the project.

Click on an **Attachments** button, from Inspection History in our example.



With no current attachments tied to this inspection, click on **File From Archive Library**.

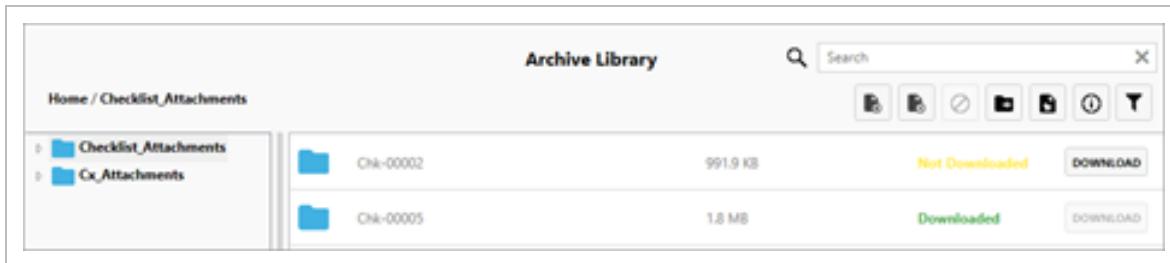


The **File From Archive Library** button directs you to the Archive Library where all project documentation is stored.

7.3.3 Store Document in the Archive Library

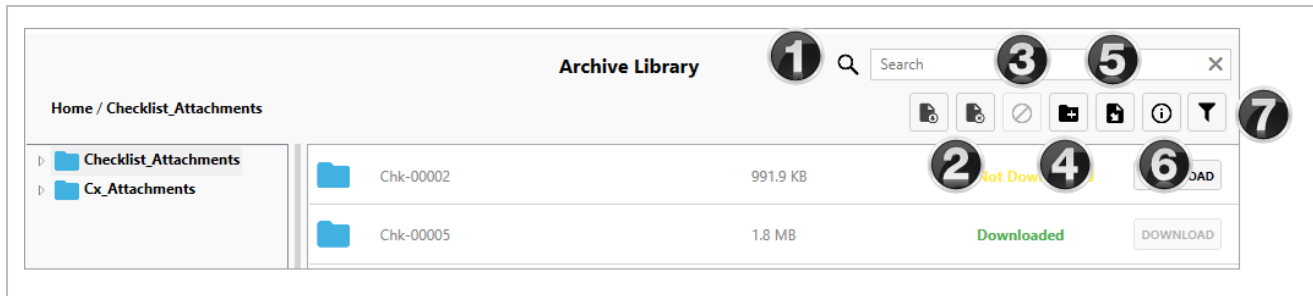
The Archive Library is used to store and distribute versioned project documents.

InEight Completions also automatically stores files and photos making them accessible within all Completions applications.



The following actions in the Archive Library can be accessed:

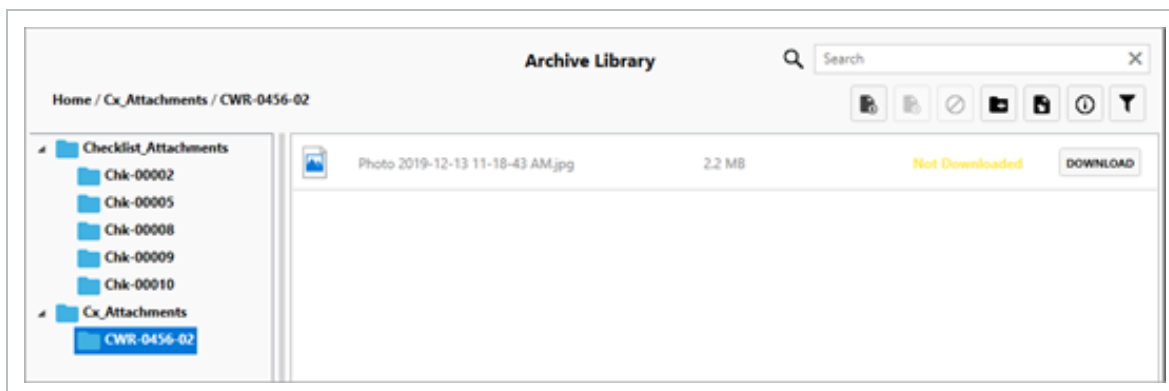
	Description
1	Search
2	Download All & Remove Local Activity
3	Stop Download
4	New Folder
5	Import Files
6	More Info
7	Label Filter



The following Step-By-Step outlines how to view attachments within a selected archive folder.

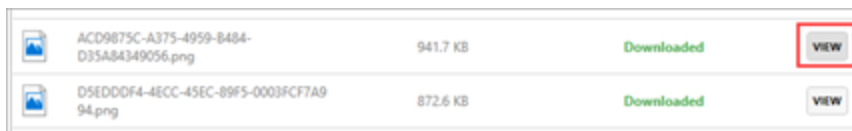
7.3 Step by Step 1 — View Attachment List Within an Archive Folder

1. Click on the **Archive Library** button.
2. Open any folder by clicking on the **folder tile** or the **Carrot** to the left of the file folder.
3. Click on the desired folder, being aware additional sub-folders may exist.



- If the file has not yet been downloaded, the phrase *Not Downloaded* will appear in yellow, and the **Download** button is available
- If the file has already been downloaded, the term *Downloaded* will appear in Green, and the **View** button is available

4. Click on the respective **Download** or **View** button.

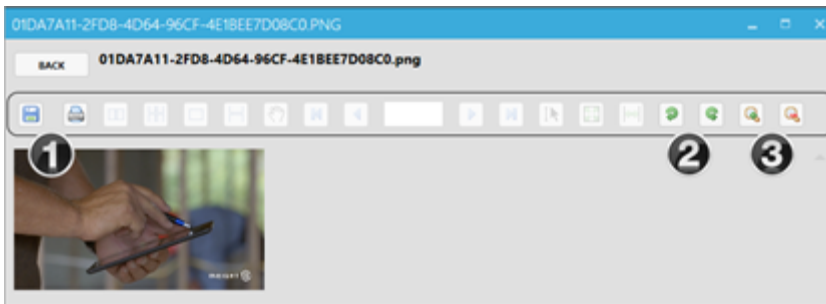


7.4 HQ ATTACHMENTS

7.4.1 View an Attachment

When an Image file is attached, viewing functionality is limited to:

1. Save and Print
2. Rotate clockwise and counter-clockwise
3. Zoom In and Zoom Out

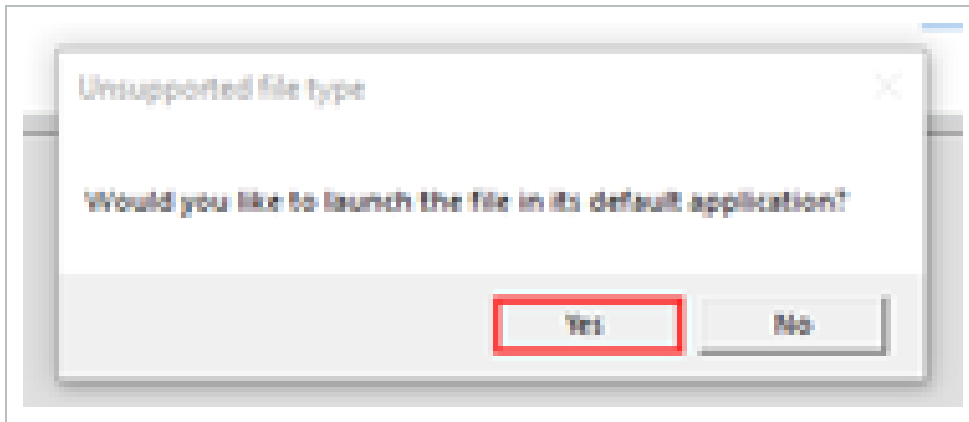


When attaching a PDF document, all functionalities exist, including:

	Description
1	Save and Print
2	Facing 2-up and 4-up
3	Single page, Single Continuous and Pan
4	First / Last Page and Previous / Next Page
5	Select
6	Fit Page and Fit Width
7	Rotate Clockwise and Counter-Clockwise
8	Zoom In and Zoom Out



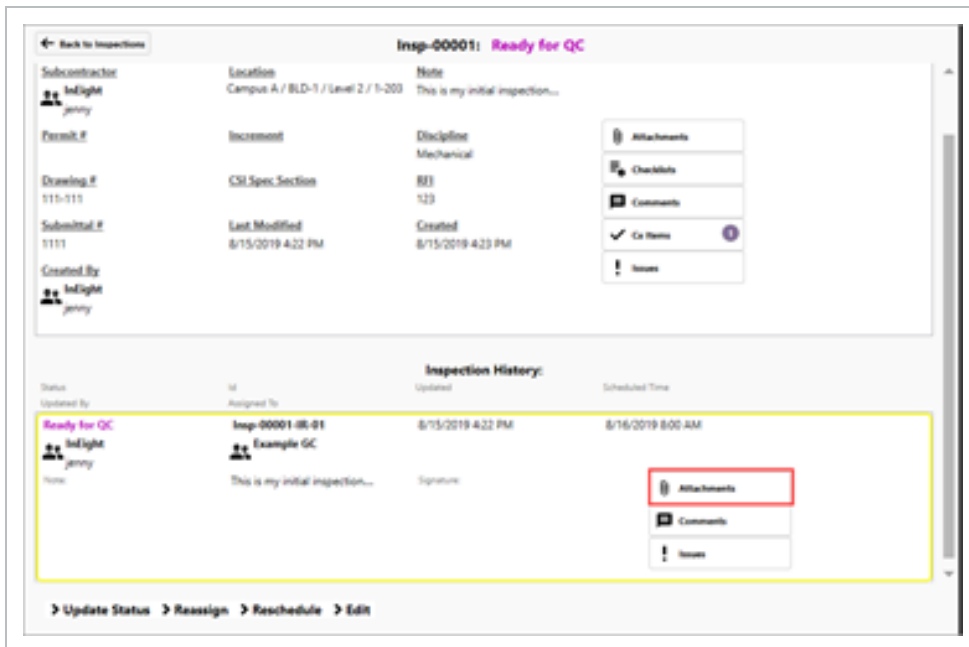
When opening a Word or Excel document, a pop-up asks if you would like to launch the file in its default application. Click **Yes** to proceed.



7.4.2 Link Attachments

Linking an attachment is useful when a desired attachment exists in one area, and also when tying it to another aspect of the project.

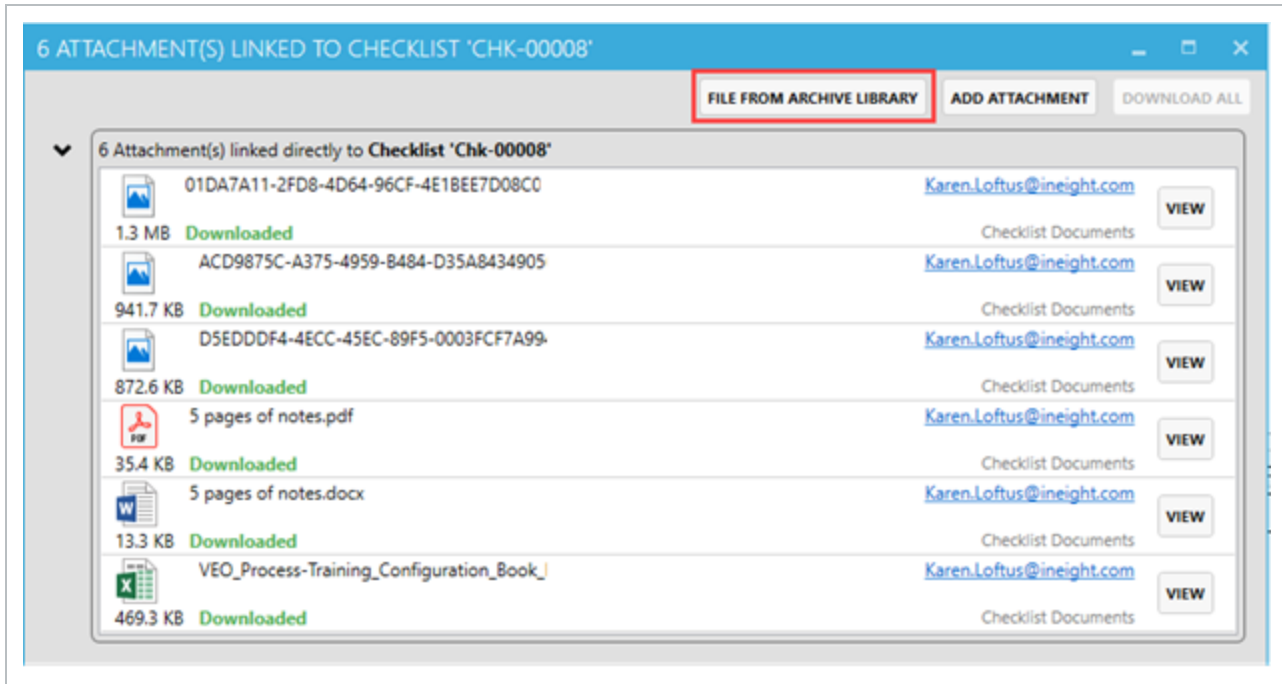
Click on an **Attachments** button, from Inspection History in our example.



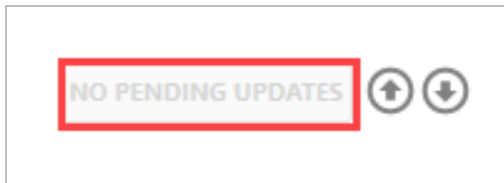
With no current attachments tied to this inspection, click on **File From Archive Library**.



The **File From Archive Library** button directs you to the area where all attachments are housed in one area for all Checklist and Cx Item attachments.



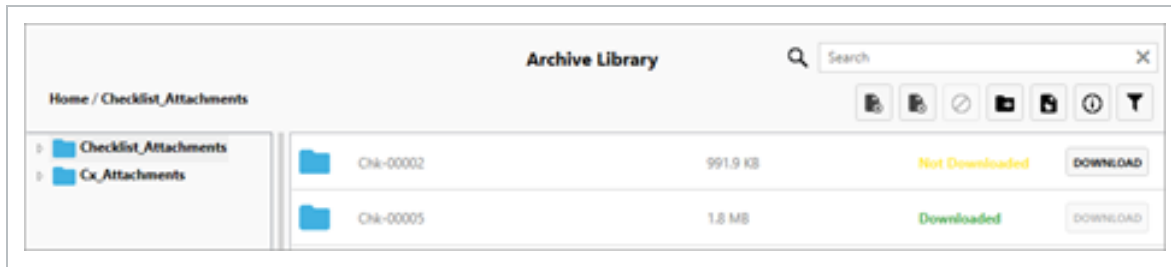
Ensure the **No Pending Updates** button is greyed out at the bottom of the page, meaning all attachments will show in the Archive Library.



7.4.3 The Archive Library

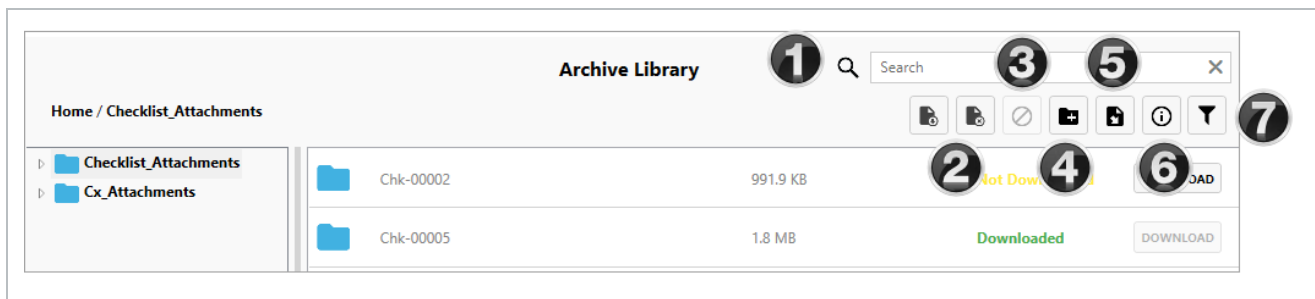
The Archive Library is used to store and distribute versioned project documents.

InEight Completions also automatically stores files and photos making them accessible within all Completions and Model applications.



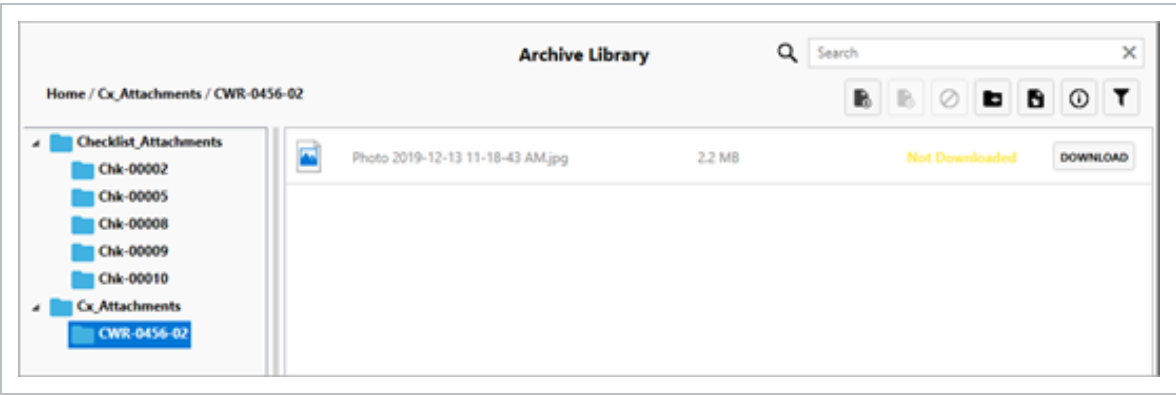
The following actions in the Archive Library can be accessed:

	Description
1	Search
2	Download All & Remove Local Activity
3	Stop Download
4	New Folder
5	Import Files
6	More Info
7	Label Filter



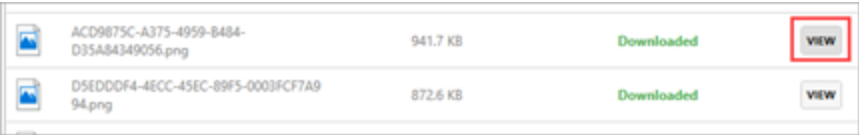
7.4 Step by Step 1 — View Attachment List Within an Archive Folder

1. Click on the **Archive Library** button.
2. Open any folder by clicking on the **folder tile** or the **Carrot** to the left of the file folder.
3. Click on the desired folder, being aware additional sub-folders may exist.



- If the file has not yet been downloaded, the phrase *Not Downloaded* will appear in yellow, and the **Download** button is available
- If the file has already been downloaded, the term *Downloaded* will appear in Green, and the **View** button is available

4. Click on the respective **Download** or **View** button.



Lesson 7 Review

1. When adding an attachment, you can click on the “Add an attachment” or “File from Archive” button.
 - a. True
 - b. False

2. You access attachments from:
 - a. Settings
 - b. Admin
 - c. Archive Library

3. When selecting an image, you can: (select all that apply):
 - a. Double click on the attachment tile
 - b. Click the run button
 - c. Click the export button
 - d. Click the view button
 - e. Right-click on the attachment tile & click view

Lesson 7 Summary

As a result of this lesson, you can:

- Upload an attachment
- View and link a Completions attachment

LESSON 8 – RUN REPORTS

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- Access Reports
- Generate Excel and PDF reports
- Review Reports

Topics in this Lesson

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8.1 ACCESS AND REVIEW REPORT OUTPUT

8.1.1 Access Report

You can access Reports within InEight Completions. Depending on how your project administrator configured your system, you can find Reports by navigating to a tab, and selecting the **Reports** option. You can generate reports within tabs Cx items, Issues, Inspections, and Checklists modules.

Project: Training Project Example - I

Cx Items Search

In Progress 2 Not Started 21 Civil 5 Instrumentation 3 MEP 12 Room 2 System 1

Showing 23 of 23 records CLEAR FILTERS

Cx Item Id	Description	Responsible Team	Status
CTS-0001	Cooling Tower Structural Steel		In Progress
Campus A / BLD-1 / Level 2 / 1-203			
CWR-0456-02	Cooling water return		In Progress
Campus A / BLD-1 / Level 2 / 1-203			
CWS-0456-01	Cooling water supply		Not Started

> View Cx Item Details > Reports...

Cx Items Issues Inspections Checklists Archive Library Settings

NO PENDING UPDATES

After running an InEight Completions report, you can view the report output in Excel and/or PDF format.

Overview – InEight Completions Report List

Report Name	Cx Items	Issues	Inspections	Checklists	Description
Excel Cx Item Overview	X				This report is consumed by project admins or management. This

Overview – InEight Completions Report List (continued)

Report Name	Cx Items	Issues	Inspections	Checklists	Description
					report is mostly used to view a full list of Cx item details and their phases, and to quickly track current status and accountability.
Excel Item Pivot Table	X				This is one of the more popular reports used by admins, management, owners users, etc. This is a quick way to visualize items progress, in a tabular color-coded view conditioned by status/date. This report includes basic Cx item information and an issue count summary.
Excel Item Executive Summary	X				This report is mostly used by management. Records are grouped by Cx item type and phases to compare counts between the estimate, forecast and actuals. This report is useful for measures like delta, percent complete, and look-ahead.
Excel Item Executive System Summary	X				This report is mostly used by management. Records are grouped by disciplines, Cx item types and phases to compare between the estimate, forecast, and actuals. This report is useful for measures like delta, percent complete, and look-ahead.
Excel Plan vs Actual Type	X				This report is mostly used by management and owners. This reports the gap between planning and execution, per week. The

Overview – InEight Completions Report List (continued)

Report Name	Cx Items	Issues	Inspections	Checklists	Description
					accumulative lines are helpful visuals for evaluating performance.
Excel Issues per Phase	X				This report is mostly used by management and owners, and is used to measure the rate of issue creation vs. selected completion.
Excel Issue Overview		X			This Issues report displays a listing of Issues along with columns such as Status, Summary and Description.
Excel Inspection Overview			X		This Inspection report displays a listing of Issues along with columns such as Phase, Status, Summary and Description.
Generate PDF Report	X	X	X	X	This PDF report is used for final hand-overs. There are two ways to export this report: 1. a multiple detailed report only showing visible items, and 2. a summary showing items all within one report. This report can be customized per project needs. The PDF reports harvest all the data, links, and attachments and provide a final document. They also include QR scan codes that can be utilized in the field.

NOTE

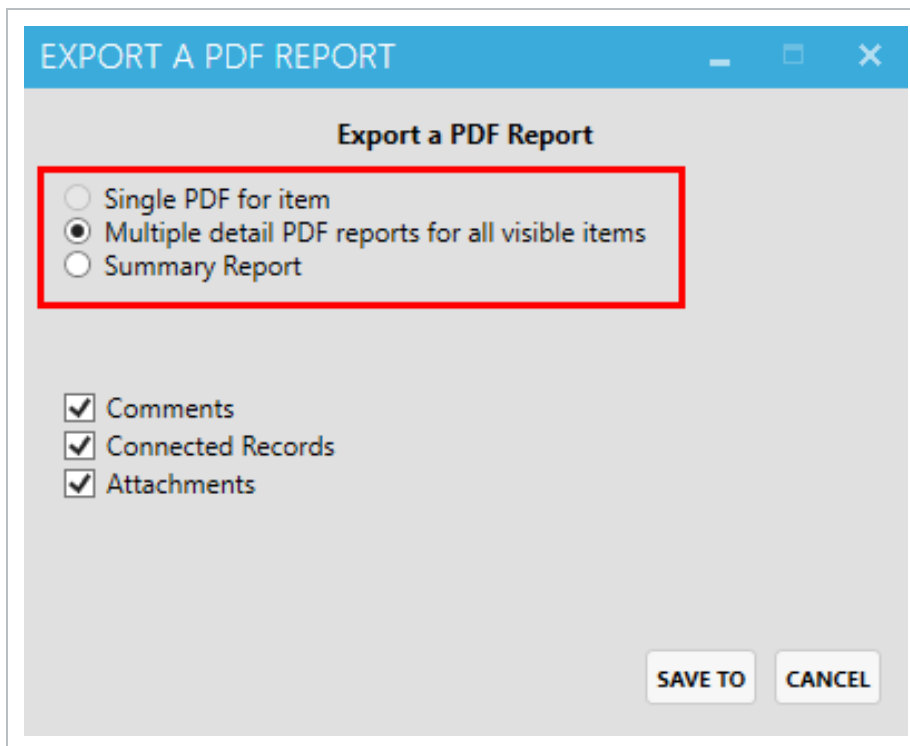
The InEight Completions Reports are configurable, therefore the structure may vary from project to project.

8.1.1.1 Export a PDF Report

PDF reports are based on option selections, and can be customized per your project needs. The PDF reports gather all the data, links, and attachments and provide a final document. They also include QR scan codes that can be utilized in the field.

When running any of the PDF reports at the header level, you have two options that allow you to:

- Output the report so that multiple PDF reports show all visible items
- Output a summary report



When running any of the PDF reports at the detail level, you have three options that allow you to show:

- Comments
- Connected records

- Attachments

EXPORT A PDF REPORT

Export a PDF Report

☐ Single PDF for item

☒ Multiple detail PDF reports for all visible items

☐ Summary Report

☒ Comments

☒ Connected Records

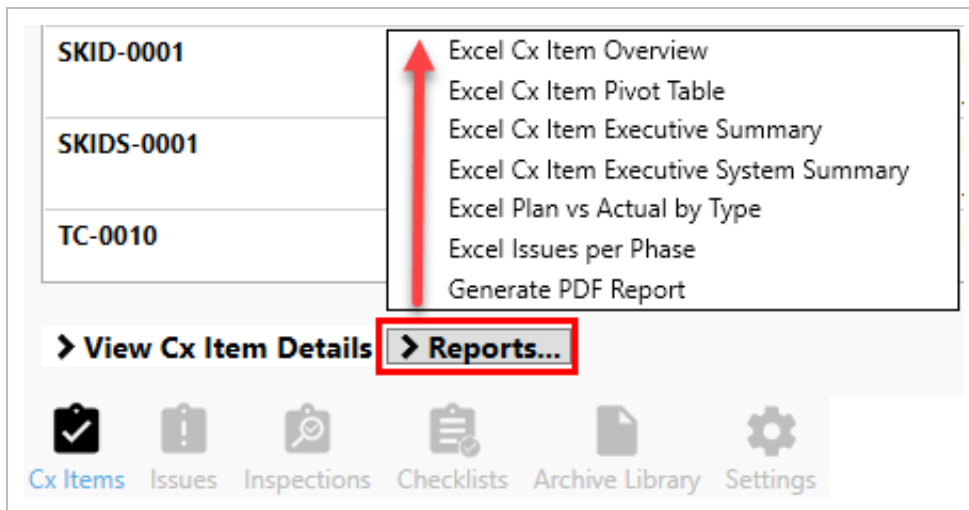
☒ Attachments

SAVE TO **CANCEL**

8.1.2 Review Report Output

8.1.2.2 Cx Items module reports

The Cx Item module reports can be found by navigating to **Cx Items > Reports**.



Excel Cx Item Overview

This report is mostly used to view a full list Cx item details and their phases, and to quickly track current status and accountability.

Template Name	Discipline	Cx Item Type	Cx Item Equipment Type	Cx Item Id	Cx Item Description	Status	Phase Name	Finish Date Estimate	Finish Date Forecast	Finish Date Actual	Campus	Building
Room	Architectural	Room	Room	CAMPUS_A-UTLBLD	Utility Area	Not Started		7/21/2019	7/24/2019		Campus A	Utility BLD
Room	Architectural	Room	Room	CAMPUS_A-UTLBLD	Utility Area	Not Started	Design	7/12/2019	7/2/2019		Campus A	Utility BLD
Room	Architectural	Room	Room	CAMPUS_A-UTLBLD	Utility Area	Not Started	Quality	7/12/2019	7/2/2019		Campus A	Utility BLD
Room	Architectural	Room	Room	CAMPUS_A-UTLBLD	Utility Area	Not Started	Construction	7/21/2019	7/24/2019		Campus A	Utility BLD
Room	Architectural	Room	Room	CAMPUS_A-UTLBLD	Utility Room	Not Started	Complete	7/21/2019	7/24/2019		Campus A	BLD-1

Excel Cx Item Pivot Table

This is a quick way to visualize items progress, in a tabular color-coded view conditioned by status/date. This report includes basic Cx item information and an issue count summary.

											Issues		
WBS	Main Equipment	Installation	Design Verification	Quality	Safety	Construction Complete	Startup	Functional Acceptance Testing	Owner Acceptance		Sum of Open COR	Sum of Total COR	Sum of Open PLI
1000.01	CAMPUS_A-UTLBD-	(blank)	7/2/2019	7/2/2019	(blank)	7/24/2019	(blank)	(blank)	(blank)		0	0	(
7000.01	PMP-0001	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		2	2	(
2000.01	CT-0001	(blank)	2/24/2020	7/2/2019	7/19/2019	7/24/2019	(blank)	(blank)	(blank)		3	3	(
3000.01	CWR-0456-02	7/2/2019	2/27/2020	2/27/2020	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		2	2	(
3000.01	CWS-0456-01	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
3000.01	Fuel Gas System-000	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
2000.01	HEX-0001	(blank)	7/2/2019	7/2/2019	7/19/2019	7/24/2019	(blank)	(blank)	(blank)		0	0	(
7000.01	IJB-00001	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
7000.01	PMP-0001	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
3000.01	NG-0891-01	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
1000.01	PMP-0001	(blank)	7/2/2019	7/2/2019	7/19/2019	7/24/2019	(blank)	(blank)	(blank)		0	0	(
5000.02	SKID-0001	7/2/2019	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(
2000.01	SKID-0001	(blank)	7/2/2019	7/2/2019	7/19/2019	7/24/2019	(blank)	(blank)	(blank)		0	0	(
4000.01	TK-0001	7/2/2019	(blank)	7/2/2019	(blank)	7/24/2019	(blank)	(blank)	(blank)		0	0	(
4000.01	PMP-0001	7/2/2019	(blank)	7/2/2019	(blank)	7/24/2019	(blank)	(blank)	(blank)		0	0	(
4000.01	SKID-0001	7/2/2019	(blank)	7/2/2019	(blank)	7/24/2019	(blank)	(blank)	(blank)		0	0	(
1000.01	TK-0001	(blank)	7/2/2019	7/2/2019	7/19/2019	7/24/2019	(blank)	(blank)	(blank)		1	1	:
3000.01	Cooling System-000	(blank)	7/2/2019	7/2/2019	7/19/2019	7/24/2019	8/6/2019	8/15/2019	8/19/2019		0	0	(

Excel Cx Item Executive Summary

Records are grouped by Cx item type and phases to compare counts between the estimate, forecast and actuals. When this report is first selected, a **Create Executive Summary Report** pop-up window appears. This is where you can make selections based upon what you want to see in your report.

CREATE EXECUTIVE SUMMARY REPORT

Create Excel Executive Summary Report

Cx Item Type:

(choose at least one)

☒ Room
☒ Element
☒ System
☒ Subsystem

Phase:

(choose at least one)

☒ Installation
☒ Design Verification
☐ Quality
☐ Safety
☐ Construction Complete

☐ Startup
☐ Functional Acceptance Testing
☐ Owner Acceptance

Primary Phase:

Installation

Issue Types To Summarize:

☒ COR
☐ PLI

Report as of Date:

3/5/2020

WW: 2020 '10

Options:

☐ Include Inactive Items

OK

CANCEL

Based upon the Installation and Design Verifications Phase selections made in the above pop-up window, only those you can see in the Installation and Design Verification phase types are shown in the report below.

2020 '10		Executive Summary for Project "Training Project Example - MM"								
Cx Performance		Baseline Forecast			Actual to Baseline			1 Week Forecast	3 Week Forecast	90 Day Forecast
		Forecast Week	Actual Week	to Date	Actual to Date	Delta	% Complete			
Room Installation	0	0	0	0	0	0	0.00%	0	0	0
Room Design Verification	2	0	0	2	0	-2	0.00%	0	0	0
Element Installation	11	0	0	11	0	-11	0.00%	0	0	0
Element Design Verification	13	0	0	13	1	-12	7.69%	0	0	0
System Installation	1	0	0	1	0	-1	0.00%	0	0	0
System Design Verification	2	0	0	2	0	-2	0.00%	0	0	0
Subsystem Installation	3	0	0	3	0	-3	0.00%	0	0	0
Subsystem Design Verificati	3	0	0	3	1	-2	33.33%	0	0	0

Excel Cx Item Executive System Summary

This report is mostly used by management. Records are grouped by disciplines, Cx item types and phases to compare between the estimate, forecast and actuals. When this report is first selected, a **Create Executive System Summary Report** pop-up window appears. This is where you can make selections based upon what you want to see in your report.

CREATE EXECUTIVE SYSTEM SUMMARY REPORT

Create Excel Executive Summary Report

Cx Item Type: (choose at least one)

- ☒ Room
- ☒ Element
- ☒ Subsystem
- ☒ System

Discipline: (choose at least one)

- ☒ Architectural
- ☒ Structural
- ☒ Piping
- ☒ Electrical
- ☒ Mechanical
- ☒ Concrete
- ☒ Instrumentation

Phase: (choose at least one)

- ☒ Installation
- ☐ Design Verification
- ☐ Quality
- ☐ Safety
- ☐ Construction Complete
- ☐ Startup
- ☐ Functional Acceptance Testing
- ☐ Owner Acceptance

Report as of Date: 3/6/2020  WW: 2020 '10

Options:

- ☐ Include Inactive Items

OK CANCEL

Based upon the Installation Phase selections made above, in the example below, you can see the data represented by Discipline in the report.

2020 '10	Executive System Summary for Project "Training Job"																			
Discipline	Element Installation					Room Installation					Subsystem Installation					System Installation				
	Total	Forecast to Date	Actual to Date	% Comp	Next 3 Weeks	Total	Forecast to Date	Actual to Date	% Comp	Next 3 Weeks	Total	Forecast to Date	Actual to Date	% Comp	Next 3 Weeks	Total	Forecast to Date	Actual to Date	% Comp	Next 3 Weeks
Architectural	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
Concrete	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
Electrical	3	3	0	0%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
Instrumentation	3	3	0	0%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
Mechanical	5	5	1	20%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
Piping	0	0	0	0%	0	0	0	0	0%	0	2	2	0	0%	0	0	0	0	0%	0
Structural	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0	0	0	0	0%	0
TOTALS:	11	11	1	9%	0	0	0	0	0%	0	2	2	0	0%	0	0	0	0	0%	0

Excel Plan vs Actual by Type

This report addresses the gap between planning and execution, per work week. The accumulative lines are helpful visuals for evaluating performance. When this report is first selected, a **Create Plan vs Actual by Type Report** pop-up window appears. This is where you can make selections based upon what you want to see in your report.

CREATE PLAN VS ACTUAL BY TYPE REPORT

Create Plan vs Actual by Type Report

Cx Item Type:

(choose at least one)

☒ Room
☒ Element
☒ System
☒ Subsystem

Phase:

(choose at least one)

☒ Installation
☒ Design Verification
☐ Quality
☐ Safety
☐ Construction Complete

☐ Startup
☐ Functional Acceptance Testing
☐ Owner Acceptance

Work Week Range:

Entire Project

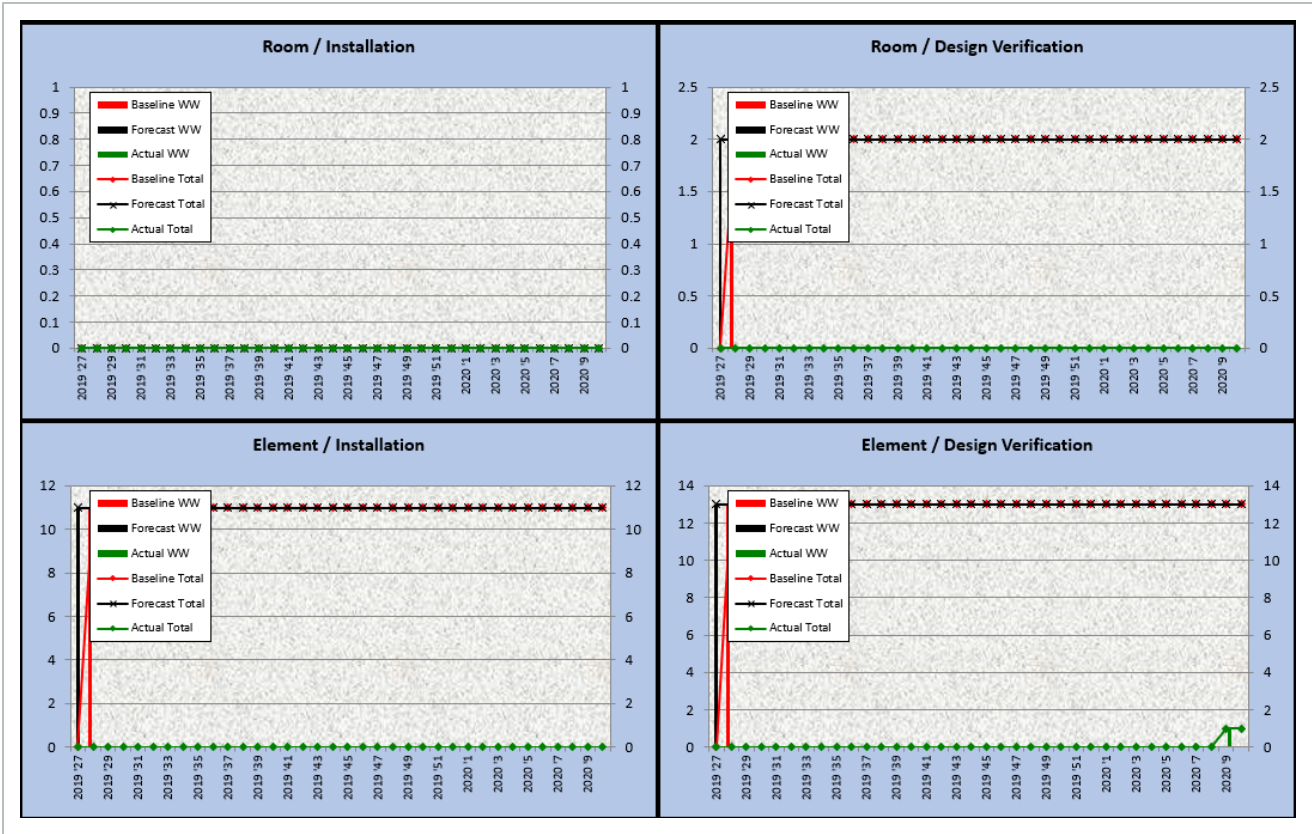
Options:

☐ Include Inactive Items

OK

CANCEL

Based upon the selections made in the above pop-up window above, you can see the chosen results in the below report.



Excel Issues per Phase

This report is used to measure the rate of issue creation vs. selected completion. When this report is first selected, a **Create Issues per Phase Report** pop-up window appears. This is where you can make selections based upon what you want to see in your report.

CREATE ISSUES PER PHASE REPORT

Create Issues per Phase Report

Work Week Range:

Entire Project

Goal:

0.6

+

-

Select Primary Issue Type:

COR

Phase:

Installation

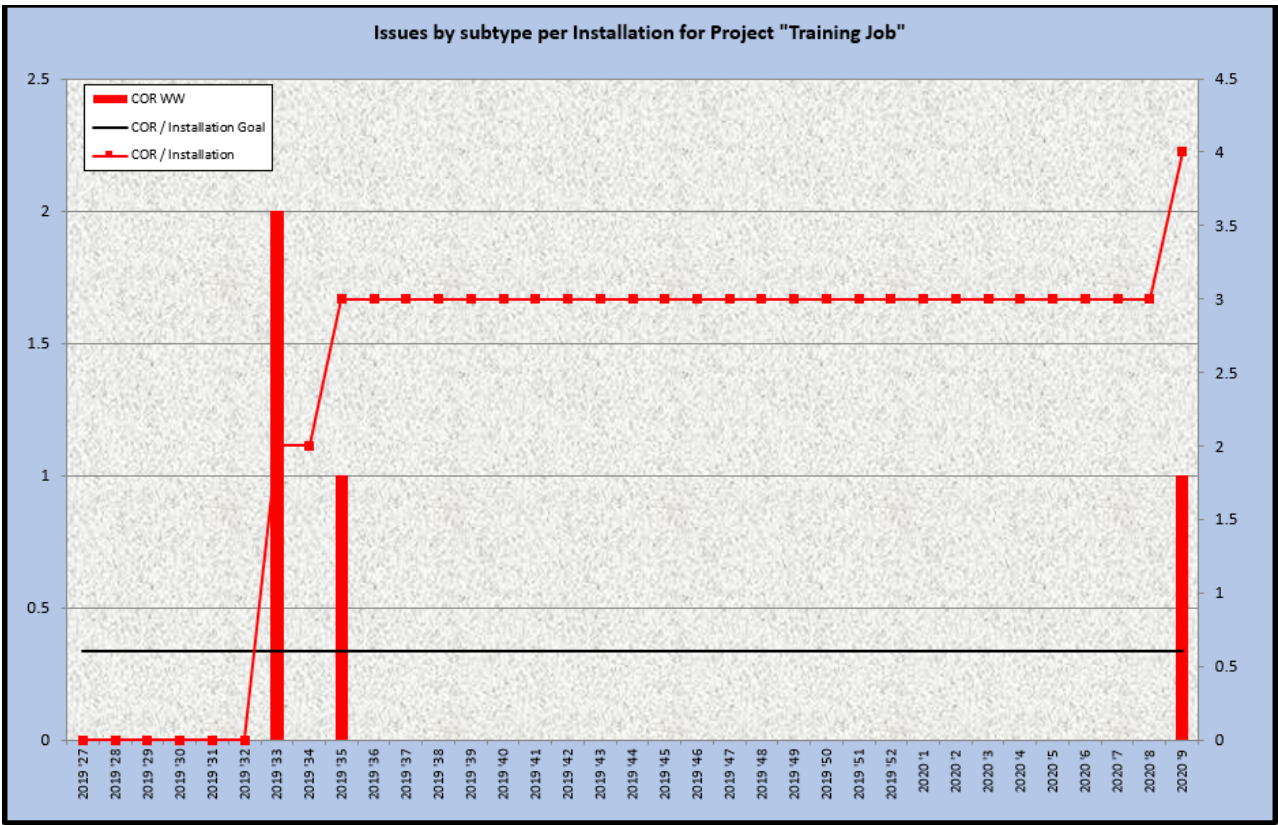
Options:

☐ Include Inactive Items

OK

CANCEL

Report results are shown below.



Generate PDF Report

The (Cx) Generate PDF report is summary of a Cx item that displays information such as the number of Attachments, Checklists, Comments, Inspections, and Issues. A QR scan code is also included, to be utilized in the field. While the example below is for Cx Items, the same sort of PDF Report is available in the Issues, Inspections, and Checklists modules.

Training Job

Template Name

MEP

Status

Not Started



Attachments: 0

Checklists: 1

Comments: 0

Inspections: 0

Issues: 3

Cx Item Information

Description

Pump Control Panel

Discipline

Electrical

Cx Item Type

Element

Location

Campus A / BLD-1 / Level 2 / 1-203

Finish Date Actual

Finish Date Estimate

8/12/2019 12:00 AM

Finish Date Forecast

8/19/2019 12:00 AM

Responsible Person

Jack Larry

Subcontractor Person

Apple Tony

Owner Person

Bates Sharon

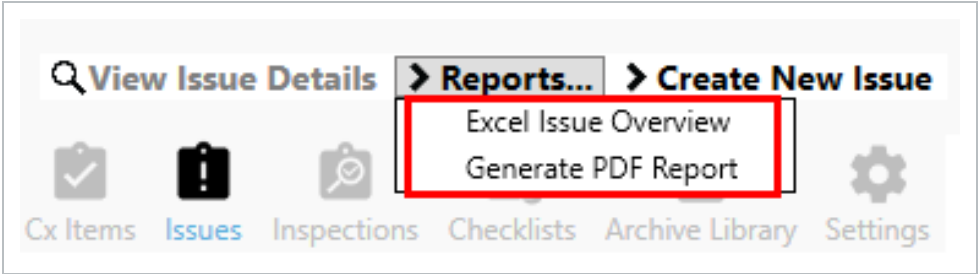
no-reply@m-six.com

no-reply@m-six.com

no-reply@m-six.com

8.1.2.3 Issues Module reports

The Issues report module can be found by navigating to **Issues > Reports**



Excel Issue Overview

This Issues Overview report displays a listing of Issues along with columns such as Phase, Status, Category, Summary and Description.

Template Name	Cx Item Id	Cx Item Description	Discipline	Phase	Subtype	Id	Status	Open Status	Category	Summary
					COR	COR-00002	New	Open	Instrumentation	03 - Missing/Incorrect Core Marker
MEP	CWR-0456-02	Cooling water return	Piping	Installation	COR	COR-00003	New	Open	Mech	11 - Verify Bolt Torque
MEP	CWR-0456-02	Cooling water return	Piping	Installation	COR	COR-00004	New	Open	LSS	03 - Sample Ports
Civil	CTS-0001	Cooling Tower Structural Steel	Structural	Quality	COR	COR-00005	New	Open	Electrical	06 - Conductor Labeling
					COR	COR-00006	New	Open	CSA	01 - Support issues
Civil	TKCP-0001	Tank Concrete Pad	Concrete	Design Verification	COR	COR-00007	New	Open	CSA	04 - Tagging issues
Civil	CTS-0001	Cooling Tower Structural Steel	Structural	Quality	COR	COR-00008	New	Open	Electrical	03 - Conduit 360 Degree Rule
MEP	CP-0001	Pump Control Panel	Electrical		COR	COR-00009	New	Open	Electrical	10 - Circuit Breaker AIC
Civil	TKCP-0001	Tank Concrete Pad	Concrete		PLI	PLI-00001	New	Open	CSA	11 - Other

Generate PDF Report

The (Issues) Generate PDF Report is a summary of an Issue that displays information such as Attachments, Checklists, Comments, Cx Items, Issues, and Issue Description. A QR scan code is also included, to be utilized in the field. While the example below is for Issues, the same sort of PDF Report is available in the Cx Items, Inspections, and Checklists modules.

Training Project Example


Subtype

COR

Status

New

Attachments: 0
Checklists: 1
Comments: 0
Cx Items: 1
Inspections: 0

Issue Information

Description

Failed checklist question: 'Box is clean and free of construction debris'

Category

Electrical

Due Date

11/30/2019 2:00 PM

Summary

07 - Wire Management

Locations

Campus A / BLD-1 / Level 2 / 1-203

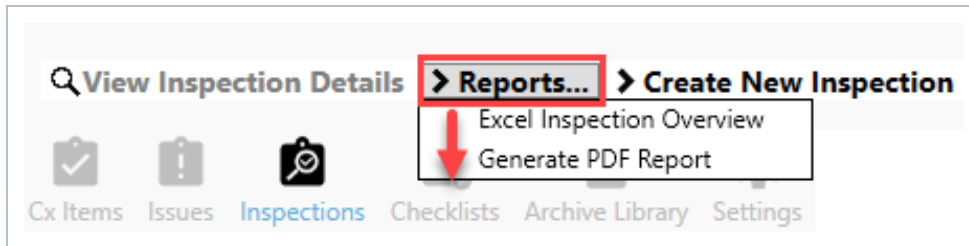
Resolution Note

Subcontractor
Created By
Nicole.Tudor@ineight.com
11/27/2019 2:24 PM

Responsible Team
InEight
Last Modified By
Nicole.Tudor@ineight.com
11/27/2019 2:24 PM

8.1.2.4 Inspections reports

The Inspections module reports can be found by navigating to **Inspections > Reports**.



Excel Inspection Overview

The Excel Inspection Overview report displays Inspection ID's along with columns such as: Status, Description, Created By and the various Inspection locations.

Instance Id	Id	Inspection Type	Status	Description	Created By	Created	Campus	Building	Level	Room	Responsible	Tear
21da91d0-c518-42a1-a18a-468bb54a0481	Insp-00001	Initial Inspection	Ready for QC	This is my initial inspection....	jenny	8/15/2019	Campus A	BLD-1	Level 2	1-203	Example GC	
5b57ef0b-70d2-47f8-96ca-0611c1da70d8	Insp-00002	Initial Inspection	Ready for Inspection	please inspect this and that	jenny	8/28/2019	Campus A	Office Complex			Example GC	
60d91b91-f6a9-4c5e-b3c7-0870ddfc01c8	Insp-00003	Initial Inspection	Ready for QC		Karen Loftus	3/2/2020	Campus A	Office Complex	Level 1		Example GC	

Generate PDF Report

The (Inspection) Generate PDF report is a summary of an inspection that displays information such as: Attachments, Checklists, Comments, Cx Items, Issues, and Inspection Description. A QR scan code is also included, to be utilized in the field. While the example below is for Inspections, the same sort of PDF Report is available in the Cx Items, Issues and Checklists modules.

Training Job

Inspection Type

Initial Inspection

Status

Ready for QC



Attachments: 0

Checklists: 0

Comments: 0

Cx Items: 1

Issues: 0

Inspection Information

Description:

This is my initial inspection....

Permit #

Discipline

Mechanical

Scheduled Time

8/16/2019 8:00 AM

Location

Campus A / BLD-1 / Level 2 / 1-203

Drawing #

111-111

CSI Spec Section

RFI

123

Change Order

1111

Subcontractor

InEight

Responsible Team

Example GC

Created By

jenny

Last Modified By

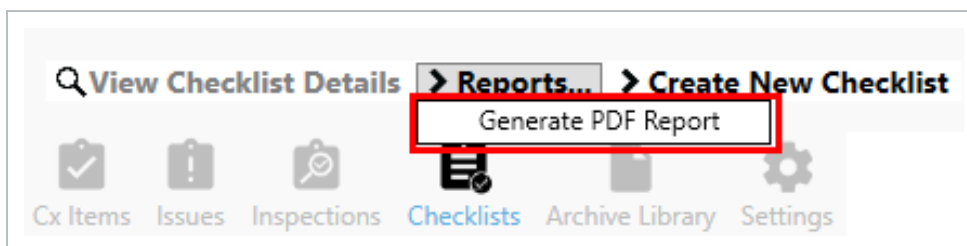
jenny

8/15/2019 4:23 PM

8/15/2019 4:22 PM

8.1.2.5 Checklists reports

The Checklists module reports can be found by navigating to **Checklists > Reports**.



Generate PDF Report

The (Checklists) Generate PDF report is a summary of an inspection that displays information such as Attachments, Checklists, Comments, Cx Items, Issues, and Checklist Description. A QR scan code is also included, to be utilized in the field. While the example below is for Checklists, the same sort of PDF Report is available in the Cx Items, Issues and Inspections modules.

Checklist

Chk-00001

Training Project Example

Status

open



Attachments: 0 Comments: 0 Cx Items: 1 Inspections: 0 Issues: 0

Checklist Information

Template Name E-0003A Junction Box/Control Panel Installation		
Description		
Priority	Category	Location
	Electrical	Campus A / Office Complex

Created By	Responsible Team	Last Modified By
Alex 10/2/2019 2:25 PM	InEight	Alex 10/3/2019 11:05 AM

The following Step by Step walks you through how to execute a PDF Summary Report within a tab menu path.

8.1 Step by Step 1 — Run a PDF Summary Report

Using the Cx Items module as an example, follow the Step by Step instructions below to run the Generate PDF Report.

1. Navigate to Cx Items > Reports and select **Generate PDF report**.
 - The Export a PDF Report pop-up window appears
2. Check the **Summary Report** radio button.
 - The selection options for Comments, Connected Records, and Attachments no longer appear
3. Click on **Save To**.
4. Save the Summary Report list PDF file to your **local drive**.
5. Open the **Summary Report list PDF** file.
 - Navigate through the report to become more familiar with the layout

Cx Item Summary Report				
Cx Item Id	Status	Location	Template Name	
CAMPUS_A-UTLBLD-LVL1-101	Not Started	Campus A / Utility BLD / Level 1 / 1-101	Room	
 Utility Area			Finish Date Forecast 7/24/2019 12:00 AM	
 Discipline Architectural	Subcontractor Person	Owner Person	Finish Date Actual	
CAMPUS_A-UTLBLD-LVL1-203	Not Started	Campus A / BLD-1 / Level 2 / 1-203	Room	
 Utility Room			Finish Date Forecast 7/24/2019 12:00 AM	
 Discipline Architectural	Subcontractor Person	Owner Person	Finish Date Actual	
CP-0001	Not Started	Campus A / BLD-1 / Level 2 / 1-203	MEP	
 Pump Control Panel			Finish Date Forecast 8/19/2019 12:00 AM	
 Discipline Electrical	Subcontractor Person	Owner Person	Finish Date Actual	

Lesson 8 Review

1. The _____ report is available for all or most of the tabs:
 - a. Excel Inspection Overview
 - b. Excel Issues per Phase
 - c. Generate PDF
 - d. Excel Issue Overview

2. Which report shows items progress in a tabular color-coded view, conditioned by status/date?
 - a. Excel Cx Item Overview
 - b. Excel Inspection Overview
 - c. Excel Item Pivot table
 - d. None of the above

3. When using the Generate PDF Report, the selection options for Comments, Connected Records, and Attachments must always be checked?
 - a. True
 - b. False

Lesson 8 Summary

As a result of this lesson, you can:

- Access Reports
- Generate Excel and PDF reports
- Review Reports

LESSON 8 – CERTIFICATES

Lesson Duration: 20 minutes

Lesson Objectives

After completing this lesson, you will be able to:

- View Certificate Details
- Reassign a Phase
- Update a Phase Status
- Review a Progress Roll-up Report
- Generate a PDF Report
- Create an Ad Hoc Certificate

Topics in this Lesson

8.1 Certificates Overview 173

8.1 CERTIFICATES OVERVIEW

A Certificate is a legal document used to transition between phases of a project led by different parties, functions or companies.

	Construction	Pre-Commissioning	Commissioning	Start Up	Operations
Elements	Certification by Elements of type Sub-System	Certification by Elements of type Sub-System	Certification by Elements of type System	Certification by Elements of type System	Certification by Elements of type Block
Checklists	All CON Checklists of type A-ITR must be completed	All PRECOMMs Checklists of type B-ITR must be completed	All COMS Checklists of type C-ITR must be completed	Performance Test Criteria Reports	
Issues	All issues of type Punch and category "A"	All issues of type Punch and category "A / B"	All issues of type Punch and category "A / B / C"	All issues of type Punch and category "A / B / C"	
Inspection	Inspections of type "System Walkdown" are completed by Construction, Commissioning and client representatives	Inspections of type "System Walkdown" are completed by Pre-commissioning, Commissioning and client representatives	Inspections of type "System Walkdown" are completed by Commissioning, Startup and client representatives	Inspections of type "System Walkdown" are completed by Startup, Operations and client representatives	
Certificate	RFPC certificate signed by Construction Authority and Commissioning Authority	RFC Certificate signed by the Pre-Commissioning Authority and the Commissioning Authority	RFSU certificate signed by Commissioning Authority and Startup Authority. MC Certificate sign by Commissioning Authority and Startup Authority.		
Attachment	Turnover dossier containing application redlines, and reports stating how the as-is conditions of the system.		Turnover dossier containing application redlines, and reports stating how the as-is conditions of the system.		
Preservations	Preservations are managed through the project lifecycle				

A certificate is a summary document that officiates multiple aspects of the Completions database for a scope of work. For example, in a Ready for Pre-Commissioning (RFPC) Certificate, the requirements include:

- The scope of work for the certificate is all pieces of equipment associate to the Sub-System
- All construction checklists (A-ITR) for equipment in that scope are complete
- Any issue of type Punch and Category A are resolved
- A Final Walkdown Inspection of the work has been completed
- A turnover package has been created for review

After all those conditions are met, the project can initiate the certificate sign off process where the Issuer individuals (Construction) and the Receiver individuals sign the certificate. After all signature are collected, on most projects, the scope of work transfers from the Issuer team to the Receiver team where they are able to perform their work activities.

Examples of types of Completion Certificates include:

- Construction Complete (CC)
- Ready for Commissioning (RFC)
- Ready for Start Up (RFSU)

- Ready for Operation
- Facility Acceptance

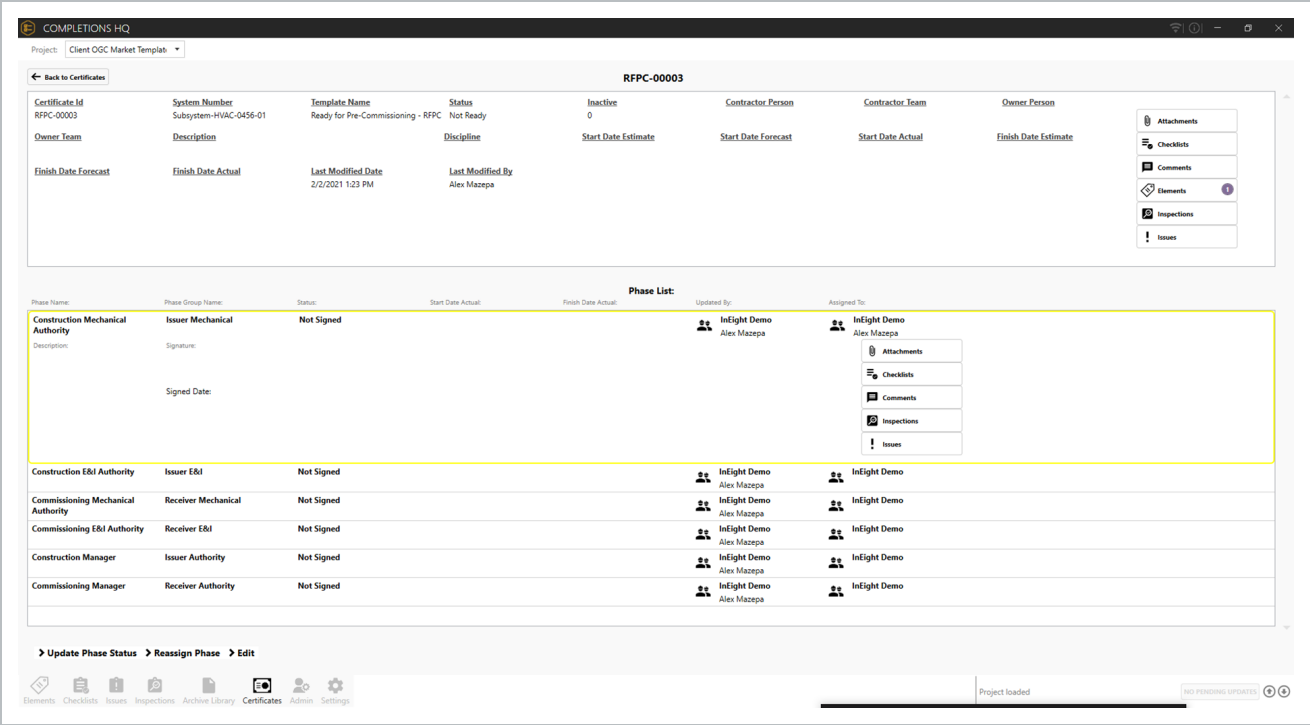
Signed Certificates becomes part of the final Turnover Package that the issuer signs off, saying that they have met all their obligations, and is handed over to the receiver.

8.1.1 View Certificate Details

From the Certificates tab, certificates are listed by columns such as Certificate ID, System Number, Discipline, Status, and Template Name.

Certificate ID	System Number	Discipline	Status	Last Modified Date	Last Modified By	Template Name
MC-00002	System-HVAC-0456		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Mechanical Completion - MC
RFC-00003	Subsystem-HVAC-0456-01		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Ready for Commissioning - RFC
RFC-00004	Subsystem-HVAC-0456-02		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Ready for Commissioning - RFC
RFPC-00003	Subsystem-HVAC-0456-01		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Ready for Pre-Commissioning - RFPC
RFPC-00004	Subsystem-HVAC-0456-02		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Ready for Pre-Commissioning - RFPC
RFSU-00002	System-HVAC-0456		Not Ready	2/2/2021 11:44 AM	Alex Mazepa	Ready for Startup - RFSU

You can double-click on a specific Certificate to show you the Certificate's detail information and Phase List. You can also select a Certificate ID, and then click **View Certificate Details**.



8.1.2 Reassign a Phase

Before the certificate phases can be signed by the appropriate authorities, the project admin is required to reassign each phase to the appropriate team responsible for signing the Phase. Reassigning tells the user who is responsible to sign that line item, and tells the application to allow signatures.

Although editing a certificate's Phase Status is a function of the Completions Coordinator or Admin, reassigning a Phase is used by the Coordinator to tell the system, and the user, who is supposed to sign that line item.



8.1 Step by Step 1 — Reassign a Phase

1. From the Certificate tab, select a Certificate ID to reassign.
2. Select a Phase.

3. Select **Reassign Phase**.
4. Select a new Responsible Team.
5. Click **OK**.

At this point, Completions starts to evaluate the Workflow Gates defined by the project. It evaluates content for a scope of work such as completion of:

- Checklists of a certain type
- Issues of a certain type and severity
- Inspection of a certain type

8.1.3 Bulk Reassign a Phase

Assigning each phase of a certificate can be a long task for an admin. The admin can assign multiple phases of multiple certificate records at the same time.

Bulk Reassign a Phase

1. From the Certificate tab, select one or many Certificates while holding the CTRL key.
2. Select **Reassign Phases**.
3. Choose Phases from the lower drop-down menu, and then select to add them.
4. Choose the Responsible Team and add any notes.
5. Select **Save**.
 - The system reassigns the phases for all selected certificates with those phases

8.1.4 Update Phase Status

After all Completions requirements are met, you can update the Phase Status to Signed.

A sequencing of certificate signatures is built into Completions to ensure the proper authorities review the turnover package.

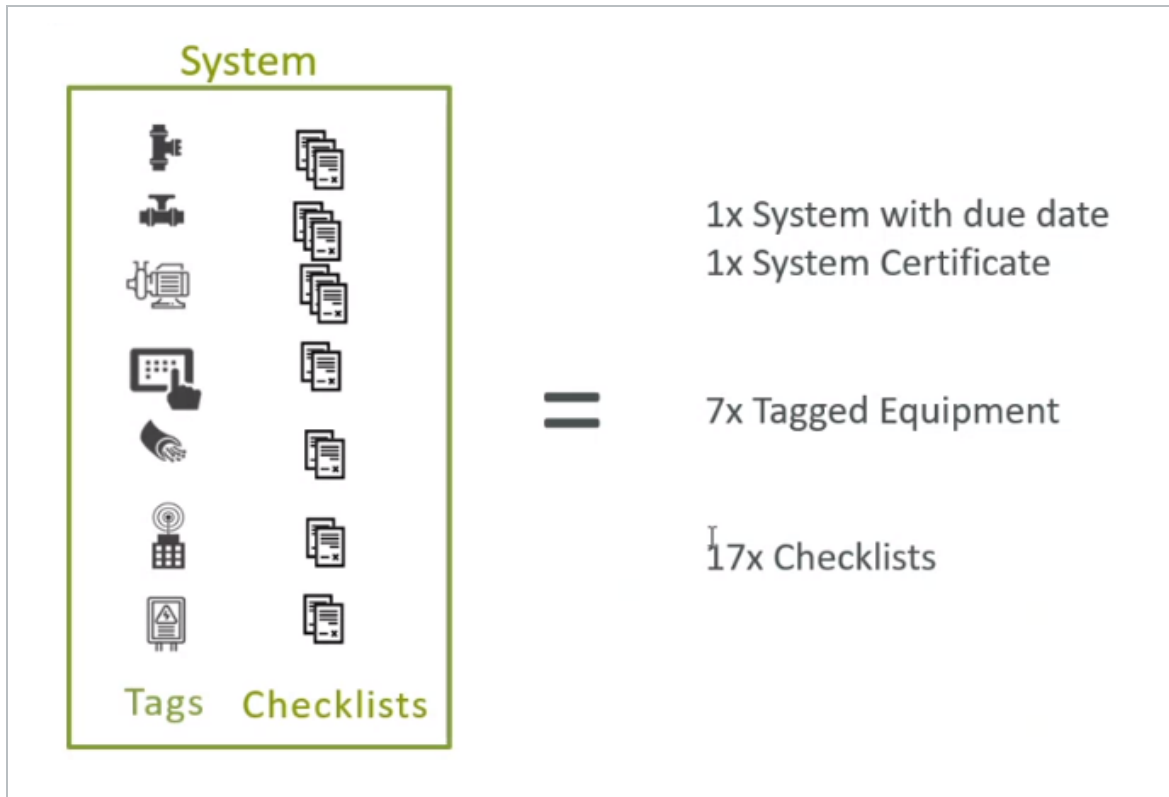
In the example of this certificate:

- Construction Discipline signatures need to sign first
- After a single Construction Discipline has been signed, the Commissioning Authority of the same discipline can sign
- The Construction Manager can only sign after all the Commissioning Discipline Authorities have signed
- The Commissioning Manager can only sign after the Construction Manager has signed

Phase Name:	Phase Group Name:	Status:
Construction Mechanical Authority	Issuer Mechanical	Signed
Description:	Signature:	
	Signed Date:	
Construction E&I Authority	Issuer E&I	Signed
Commissioning Mechanical Authority	Receiver Mechanical	Signed
Commissioning E&I Authority	Receiver E&I	Not Signed
Construction Manager	Issuer Authority	Not Signed
Commissioning Manager	Receiver Authority	Not Signed

It is critical to know that Certificate Gates, created at the admin level, prevent someone from signing off on a Sub System Certificate unless all Phase Checklists have previously been signed off on.

In the example shown, this system has seven pieces of tagged equipment with a total of 17 checklists. Each checklist must be completed as dictated by the created Certificate Gates.



8.1.4.1 Progress Roll-Up Reports

To validate that all certificates are completed, you can look at the Progress Roll-up Reports. These reports are configured to be in the context of how the project evaluates completeness.

8.1 Step by Step 2 — Progress Roll-Up Report Review

1. From the Certificates tab, double-click to select a Certificate ID.
2. Click on the **Elements** context path button.
3. Click to open the Sub System.
4. Click on the **Sub System Readiness Reporting** drop-down arrow.
5. View the number of Completed Checklists as compared to Total Checklists.

NOTE

In the example shown below, only one of the 13 needed A Checklists are completed.

Sub-System Readiness Report			
Outstanding Checklists	12	Outstanding Checklists	1
Completed Checklists	1	Completed Checklists	0
Total Checklists	13	Total Checklists	1
<i>A Checklist Status</i>		<i>C Checklist Status</i>	
Outstanding PLI	0	Outstanding PLI	1
Completed PLI	1	Completed PLI	1
Total PLI	1	Total PLI	1
		<i>Issue Status</i>	
Outstanding Checklists	4	Outstanding Checklists	0
Completed Checklists	0	Completed Checklists	0
Total Checklists	4	Total Checklists	4
		<i>B Checklist Status</i>	

To view the details on those certificates, click the Certificates context path button to view the current status of the Certificates linked to the Sub System.

Subsystem-HVAC-0456-01: Sub System

System Position

2 OUT OF 2 CERTIFICATE(S) LINKED TO SUBSYSTEM-HVAC-0456-01

ADD CERTIFICATE LINK EXISTING CERTIFICATE(S)

2 out of 2 Certificate linked directly to Subsystem-HVAC-0456-01

Certificate Id	System Number	Status
Last Modified Date	Last Modified By	Template Name
Description	Discipline	
RFC-00005	Subsystem-HVAC-0456-01	Not Ready
2/2/2021 2:08 PM	Alex Mazepa	Ready for Commissioning - RFC
RFPC-00005	Subsystem-HVAC-0456-01	Issuer Signed
2/2/2021 3:41 PM	Alex Mazepa	Ready for Pre-Commissioning - RFPC

Hide

- Attachments
- Certificates 2
- Checklists
- Comments
- Elements
- Inspections 1
- Issues

TIP

Type A (AITS) qualify against the Construction Complete (CC) Certificate.

Type B (BITS) looks at the Ready for Commissioning (RFC) Certificate.

Type C (CITS) looks at the Ready For Startup (RFSU) Certificate.

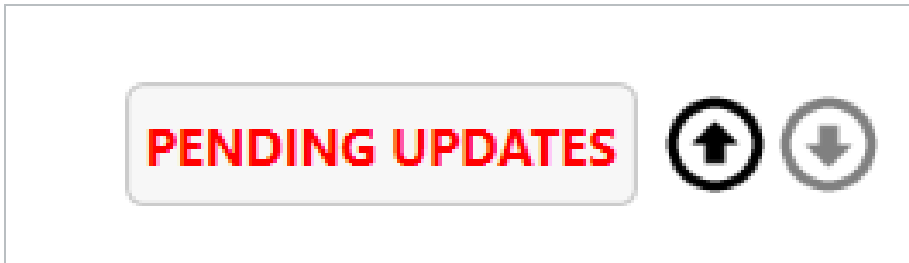
If all Certificates are complete, go back into the Certificate and click Update Phase Status > **SIGN**.

8.1.4.2 Role of Pending Update

When changes have been made, updates need to be synced to send all updates to the server.

8.1 Step by Step 3 — Pending Updates

1. Hover over the up arrow to show the number of changes waiting to be published.



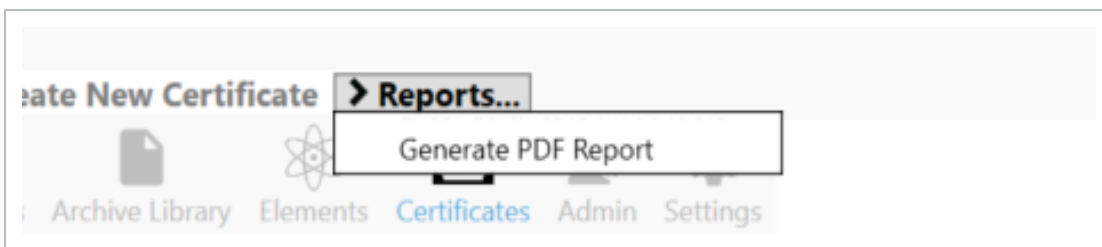
2. Click **Pending Updates**.
3. Review the pending changes.
4. Click **Publish**.
 - After doing so, the red Pending Updates button changes to a dimmed No Pending Updates

8.1.5 PDF Reports

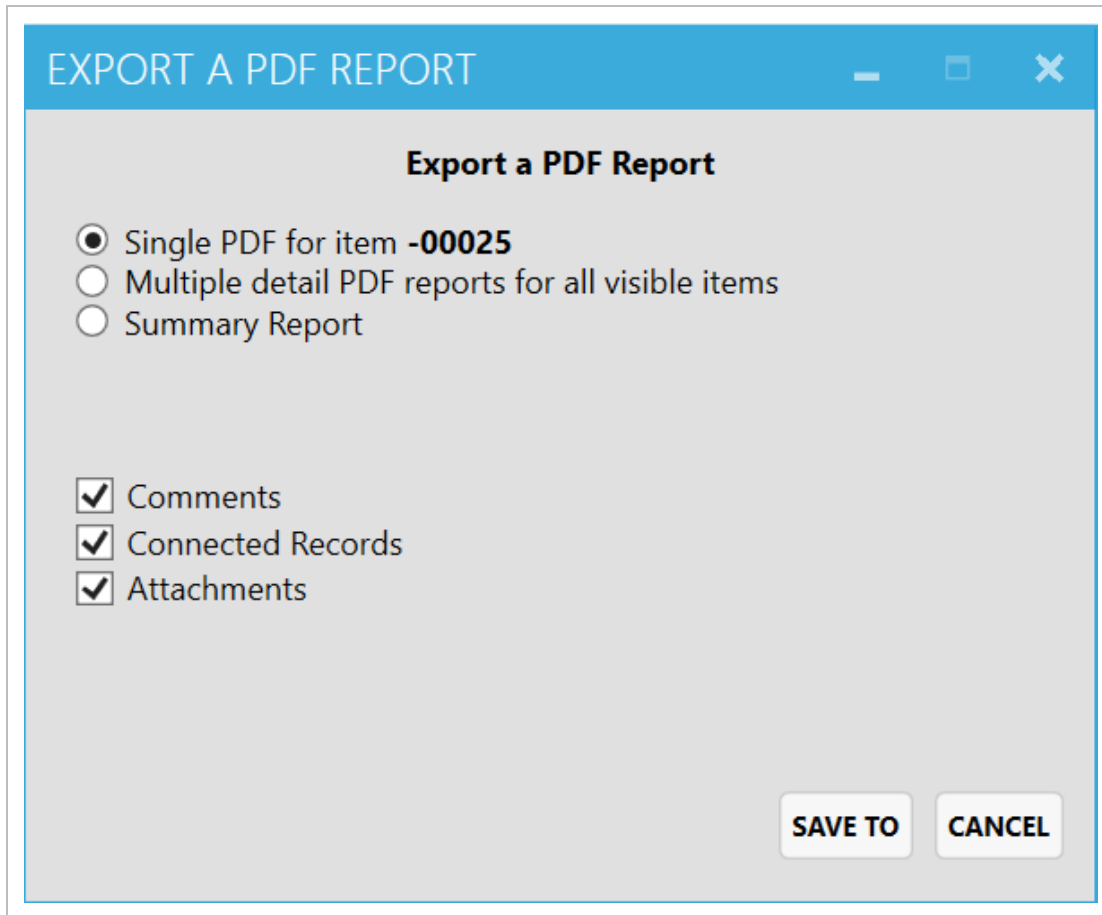
Certificate status can be documented as an artifact, or snapshot, of progress.

8.1 Step by Step 4 — Generate PDF Report

1. Click Certificates > **Reports...**, and then select **Generate PDF Report**.



2. In the dialog box, adjust the options, if necessary.



3. Click **Save To**.
4. Navigate to the folder where you want to save the PDF file.
5. Rename the file, if necessary.
6. Click **Save**.
 - Wait for the file to be generated
 - The PDF shows in a separate window

-00025

Instruction

No

Certificates

-00025

Construction

No

N0 UAT Testing 2

Template Name

CC

Status

Not Ready

Attachments: 0

Checklists: 0

Elements: 1

Issues: 0



Certificates Information

	Template Name
	CC

Finish Date Actual	Finish Date Estimate	Finish Date Forecast
Description		

Responsible Person

Owner Person

September 23, 2020 11:52 AM

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