



HEXAGON

HEXAGON XALT **QUALITY INSPECTION** **APPLICATION:** DATA SETUP GUIDE

Xalt Quality inspection Data Setup Guide
10 April 2019

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OVERVIEW

The Quality inspection app has been developed to provide a tool for providing detailed flexible inspection lists to inspectors examining a product for quality.

Advantages and solutions delivered by this application include:

- Guided Checklist for quality inspection of trailers and coaches before shipping
- Objective evidence of quality
- Precise “punch list” of defects to be corrected by technicians
- Common defect terminology provided by curated electronic lists
- Paper-free, electronic records – available from any connected device, removing the need to travel to see the physical paperwork
- Historical / Statistical results to use in trend reporting
- Pictures serve in the place of verbal / written descriptions of problems
- Pictures serve as evidence of success where problems arise after shipping
- Remove the problem of illegible handwriting

The Quality inspection app requires that detailed information pertaining to the products to be inspected be entered into the system. This master data will define the individual items that are used to build the final product, the types of issues that are found during inspection, and the inspection plans that determine which items are inspected, and when they are inspected.

MASTER DATA GROUPS

The 3 key groups of master data that are entered and setup in the Quality inspection system are listed below, and each type will be explained in detail in further sections of this guide.

- 1) Company Code & other default properties
- 2) Master Data
- 3) Inspection Plans

DATA ENTRY CONVENTIONS

ADDING DATA

Data can be added in 3 separate ways. Each method ultimately works in the same way.

To confirm that you would like to add the new data, click on the 'Continue' button. Click on the 'Cancel' button to quit this screen; data will not be saved.



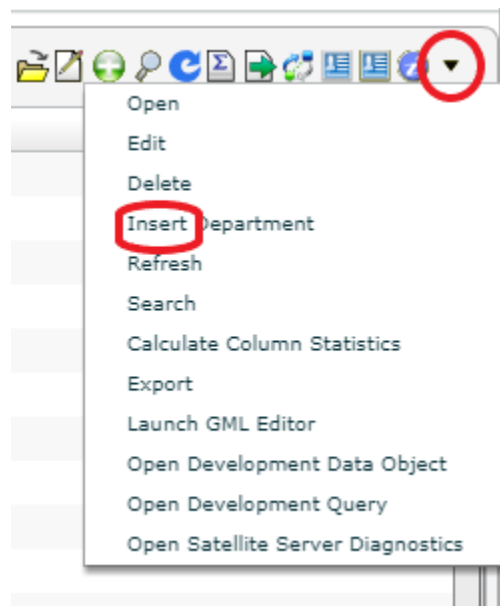
Method #1 – 'Add' icon

Each screen here data can be entered will have an icon to represent the 'Insert' function. Click once on the icon and the associated data entry screen will appear.



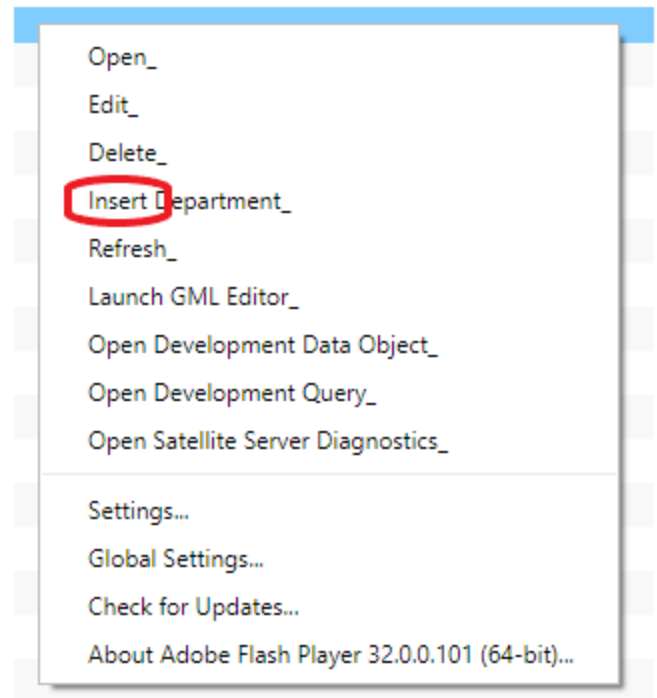
Method #2 – Context menu

The Context menu is activated by clicking the small downward facing black triangle on the end of the tool bar line located in the top right of the screen. Multiple options will, select the 'Insert' option.



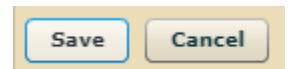
Method #3 – right-click menu

Right-click anywhere on the screen and select the 'Insert' option from the resulting dropdown menu list.



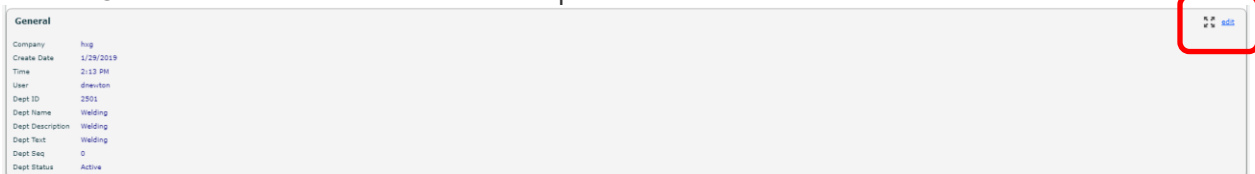
EDITING DATA

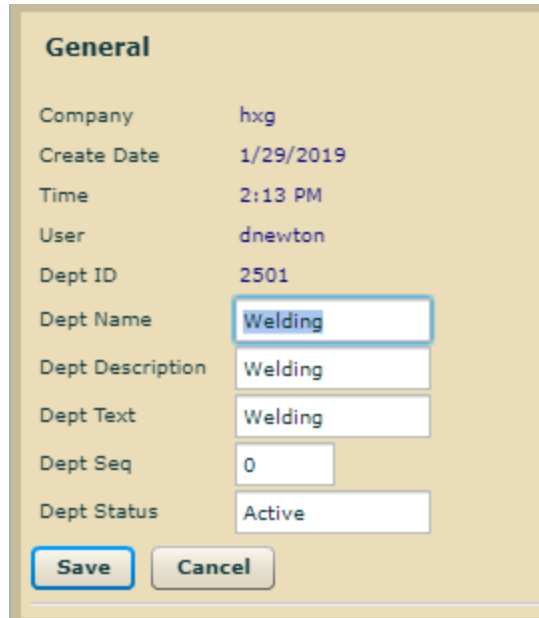
Data can be added in 3 separate ways. Each method ultimately works in the same way. To confirm that you would like to edit the data, click on the 'Save' button. Click on the 'Cancel' button to quit this screen; changes will not be saved.



Method #1 – Select row & Select edit

Double-click on the row you wish to edit. Initially the row will be shown in more detail on an additional screen. On this screen click on the 'Edit' link to place the row in edit mode.



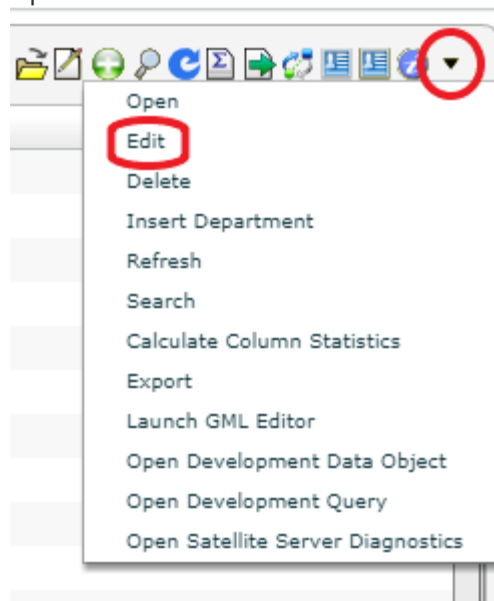


General

Company	hxx
Create Date	1/29/2019
Time	2:13 PM
User	dnewton
Dept ID	2501
Dept Name	<input type="text" value="Welding"/>
Dept Description	<input type="text" value="Welding"/>
Dept Text	<input type="text" value="Welding"/>
Dept Seq	<input type="text" value="0"/>
Dept Status	<input type="text" value="Active"/>

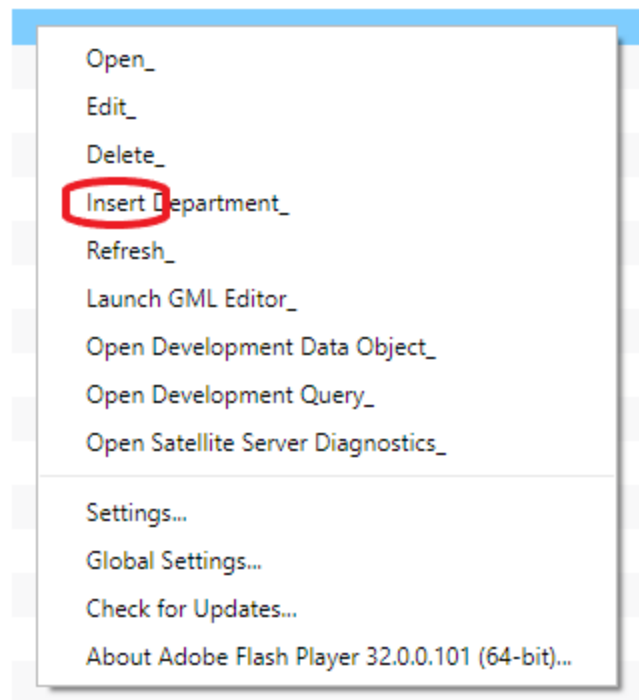
Method #2 – Context menu

Highlight the row you wish to edit by clicking on it once. Click on the Context menu icon and select the 'Edit' option from the resulting dropdown menu list.



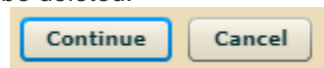
Method #3 – Right-click menu

Highlight the row you wish to edit by clicking on it once. Right-click and select the 'Edit' option from the resulting dropdown menu list.



DELETING DATA

Data can be deleted in 3 separate ways. Each method ultimately works in the same way. To confirm that you would like to delete the data, click on the 'Continue' button. Click on the 'Cancel' button to quit this screen; data will not be deleted.

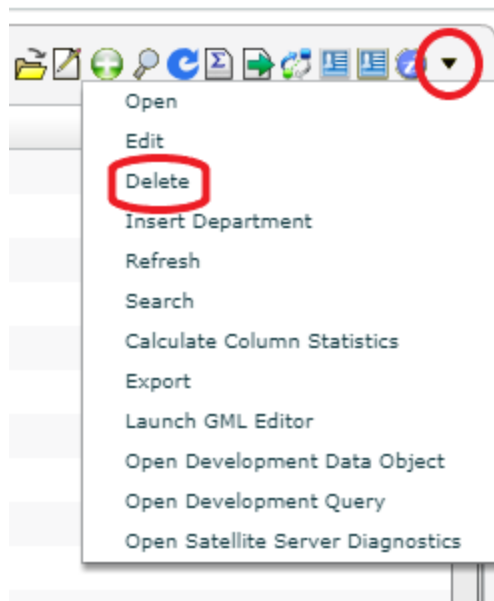


Method #1 – Delete key

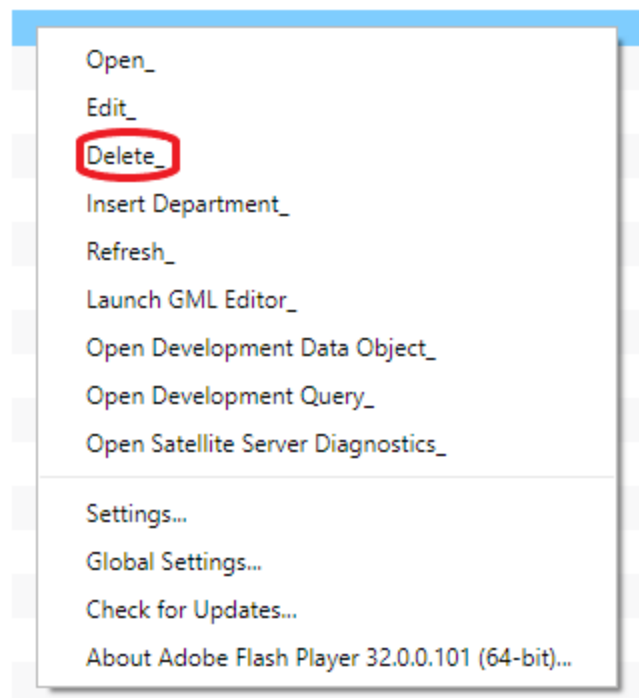
Highlight the row you wish to delete by clicking on it once. Press the DELETE key on your keyboard to delete the row.

Method #2 – Context menu

Highlight the row you wish to delete by clicking on it once. Click on the Context menu icon and select the 'Delete' option from the resulting dropdown menu list.

**Method #3 – Right-click menu**

Highlight the row you wish to delete by clicking on it once. Right-click and select the 'Delete' option from the resulting dropdown menu list.



COMPANY CODE

Every User profile has a user property (VFI_COMPANY_CODE) that holds a three-character company code ID. This company code id is stored on all data records that are created or changed by a user, to identify the source of the data. This structure allows each user to specify which logical data set is being viewed and managed.

Location Sequence	Location	Zone Sequence 1 ▲	Zone ID	Name	Description	Prompt Text 2 ▲	Status	Company Code	Create Date	Create Time	Create User	Location ID
0	Exterior	0	3502	Brakes	Brakes	Brakes	Active	hxg	1/29/2019	2:15 PM	dnewton	2,501

In the Default Properties launcher (Data Entry workbench), be sure to set the three-character code. There is no validation of the code; be careful to set the value correctly.



Launch

Data Sources

Data Objects

Security Roles

User Profiles

Workbenches

Satellite Servers

Activity Log

BI Data Sets

BI Dashboards

Default Properties

Custom Settings

App Builder Dashboard

Default Properties

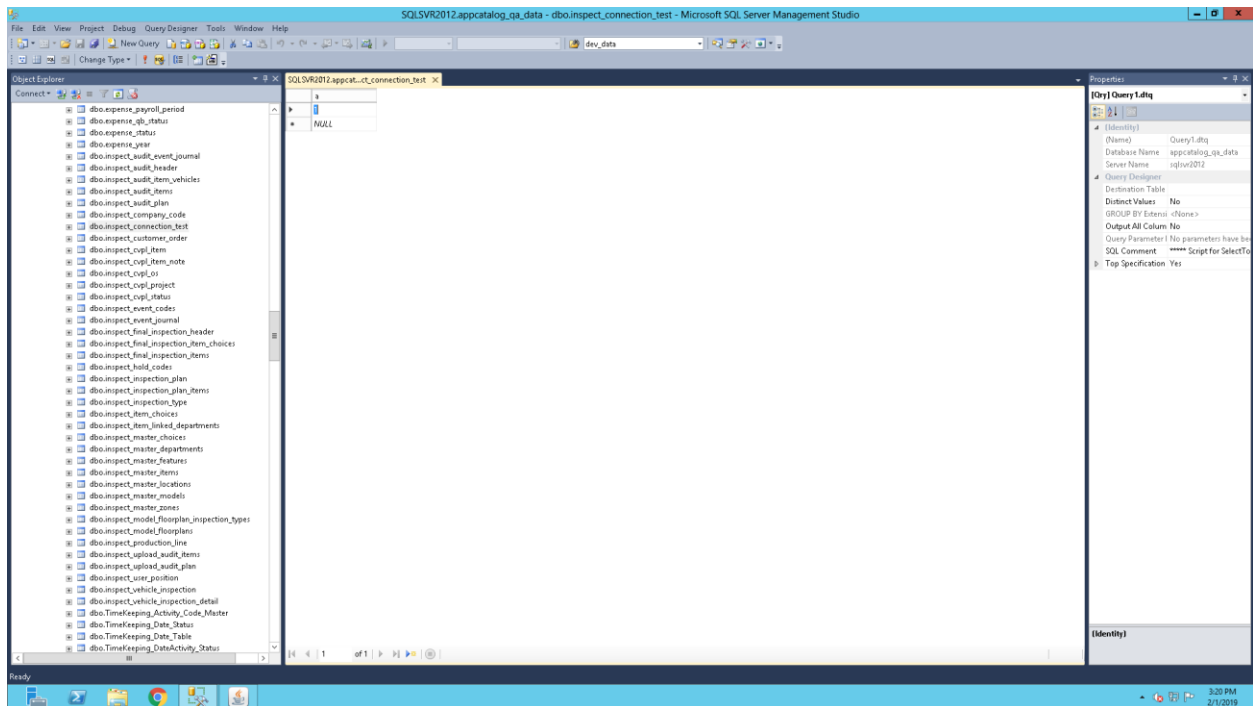
Default Properties

Property	Value
S_Label26	Activity
S_Label27	Status
S_Label28	Hours
S_Label29	Yesterday
S_Label3	Cancel
S_Label30	Active
S_Label31	Submitted
S_Label32	Support
S_Label33	Last Friday
S_Label34	New
S_Label35	Yesterday Total Hours
S_Label36	Yesterday Activity Hours
S_Label37	Friday Total Hours
S_Label38	Friday Activity Hours
S_Label39	Reset was not done. Timesheet already processed.
S_Label4	Confirm Employee Name
S_Label40	Hours worked should be with 0.25 increments.
S_Label41	Employee cannot work more than 24 hours per day.
S_Label42	Hours worked should be greater than 0.
S_Label43	Timesheet already submitted.
S_Label44	Timesheet does not have any hour. Please update and submit again.
S_Label45	Day already submitted.
S_Label5	Continue
S_Label6	Edit Timesheet
S_Label7	Employee Hours by Date/Activity
S_Label8	Enter Hours
S_Label9	Last Friday's Hours (Mon only)
S_SALES_ORDER_NO	
U_expense_admin	0
U_expense_manager	0
U_Language	en-US
U_manager	0
U_PLANT_ID	1000
VFI_COMPANY_CODE	hxg

Connection Test setting

In SQL Server, edit the 'inspect_connection_test' table and change the value of column 'a' to 1.

This is a single row table with a single column.



LINKING THE QUALITY INSPECTION APP TO A BACK-END ERP OR APPLICATION DATABASE

The Quality Inspection is designed to integrate to your back-end ERP or database application through the Coach (Surrogate) data object. This data object is designed to be associated to a SQL table or SQL view within your ERP or application database that contains order details of the products that are to be inspected.

At a minimum, this table/view should contain:

- Model / Product / Make
- Floorplan / Class / Model

It may also be useful to contain additional information such as:

- Year
- VIN
- Any other information relevant to the product being inspected

By linking the Quality Inspection app to your back-end system you will always have the latest set of orders/ product data available to inspect. Alternatively, you can manually maintain a SQL table of orders and related product information, and link this to the Quality Inspection app. However, this approach is more time-consuming, and order data is only as good as the frequency of the manual table updates.











Please consult with your Account Executive if you would like more information on how to link the Quality Inspection app to your back-end systems.

MASTER DATA

Master data is required in the Quality inspection app to establish the products being inspected, the types of items and item defects that are being examined, where items are physically located, and who is responsible for any rework.

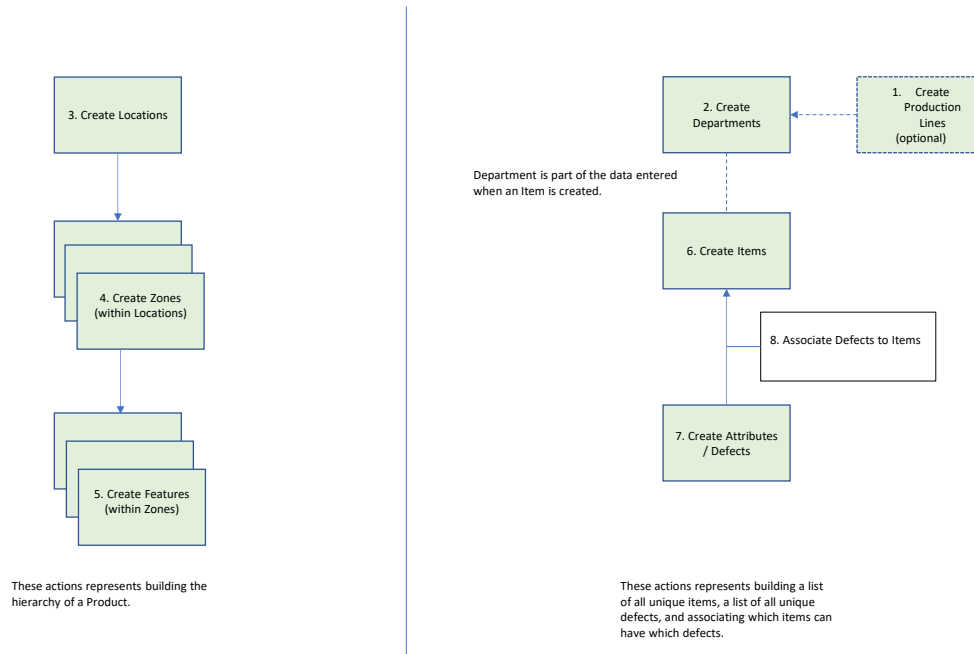
All launchers associated with the creation and maintenance of Master Data are located within the **Master Data Maintenance** Workbench.

Some of the Master Data elements can be entered at any point in the setup process, whilst other items need to be entered in a very specific order. The sections below will define how data elements need to be entered.

Launch

Production Lines

Departments

Locations

Zones

Features

Inspection Items

Defects

Inspection Item Defects

Product Model

Model Floorplans

MASTER DATA ENTRY SEQUENCE

This section details the logical sequence in which master data elements should be entered, and defines the inter-dependency of the master data elements that are linked together.



MASTER DATA NAMING OPTIONS

All the master data elements ask for three types of name when entering values into the application via the input screen.

- Name
- Description
- Text

All three of these values are ways to name the same element. The reason for having essentially three versions of the same value is to provide flexibility in the way that the application will display information to users.

- Alternate names – some employees may recognize an item by a number or a code, whilst others may recognize the same item by a formal name. i.e. some employees may recognize and refer to a department as 10A, whilst other may recognize it by a formal name such as Fabrication.
- Short and Long names – there are times when an abbreviated name is preferred, such as when screen space is limited or when a long name may be cumbersome, and there may be occasions when the full or formal name is required.

If you do not require the capability to use the alternate naming conventions above, then the best option is to enter the same value into all three input fields.

CONTROLLING THE DISPLAY SEQUENCE OF MASTER DATA

The application defaults to sorting data elements alphabetically in ascending order (A to Z). This may not always be the most helpful or desirable sequence in some instances.

Some of the master data information entry screens have an option for display sequence. Display sequence is a numerical field that is sorted by the application in ascending order, allowing a user to control exactly the sequence in which certain elements are displayed.

- Default value for display sequence is 0
- Any numbers are valid
- It is recommended to use increments of 10 or 100 which will enable additional data to be inserted into the sequence later (avoid increasing the display sequence number by 1 each time, as this will not allow new elements to be inserted in-between existing elements)

AUTOMATICALLY ENTERED DATA PROPERTIES

Each time a new data element is entered into the application, or an existing data element is edited, the application will automatically maintain certain data properties that are associated with that data element.

- Name – the Xalt userid of the person creating / editing the data
- Date – the local timezone date of the computer that is creating / editing the data
- Time - the local timezone time of the computer that is creating / editing the data
- Company Code – the 3-character company code defined in the initial setup

Here is an example of a data row, showing the automatic field values.

Company Code	Create Date	Create Time	Create User
hxg	1/29/2019	2:15 PM	dnewton
hxg	1/29/2019	2:17 PM	dnewton
hxg	1/29/2019	2:16 PM	dnewton
hxg	1/29/2019	2:17 PM	dnewton
hxg	1/29/2019	2:16 PM	dnewton
hxg	1/29/2019	2:16 PM	dnewton
hxg	1/29/2019	2:17 PM	dnewton
hxg	1/29/2019	2:18 PM	dnewton
hxg	1/29/2019	2:15 PM	dnewton

MASTER DATA ELEMENTS

The list below represents the Master Data elements that are entered into the app initially.

Production Line (optional – not required)

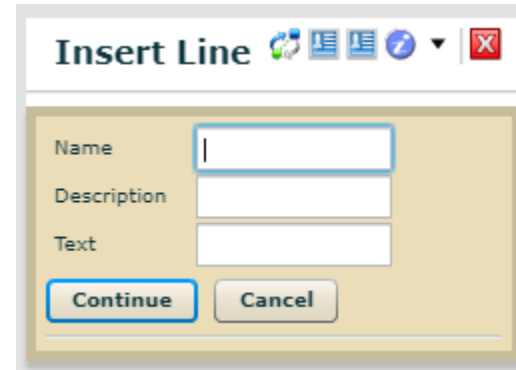
Production Line describes the manufacturing resources associated with producing products. Every master model references a production line.

Examples of production lines would be fabrication, paint, etc.

Some companies may operate a single production line, with all elements of product build occurring in a progressive fashion along the same line, whilst others may operate many separate production lines simultaneously.;

When adding new Production Line elements, the application will prompt for:

- Name
- Description
- Text



The 'Insert Line' dialog box features a title bar with standard window controls and a toolbar with icons for help, save, and other functions. The main area contains three text input fields labeled 'Name', 'Description', and 'Text'. At the bottom, there are two buttons: 'Continue' and 'Cancel'.

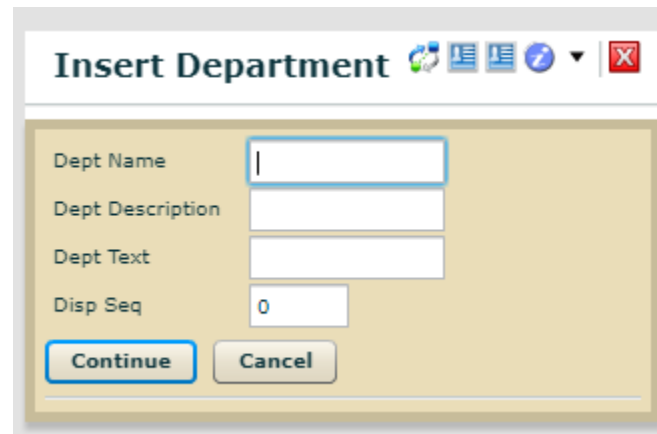
Master Departments

Each department that plays a part in the build of a product will be defined in the Department table.

Each inspection will be assigned a default department to begin. i.e. a wooden cabinet may be assigned the millwork department that originally constructed the cabinet initially, but that department can be changed during an inspection to determine which department is responsible for any rework.

When adding new Department elements, the application will prompt for:

- Name
- Description
- Text
- Display sequence



The 'Insert Department' dialog box has a title bar with standard window controls and a toolbar. The main area contains four input fields: 'Dept Name', 'Dept Description', 'Dept Text', and 'Disp Seq' (which is a numeric field with '0' entered). At the bottom, there are 'Continue' and 'Cancel' buttons.

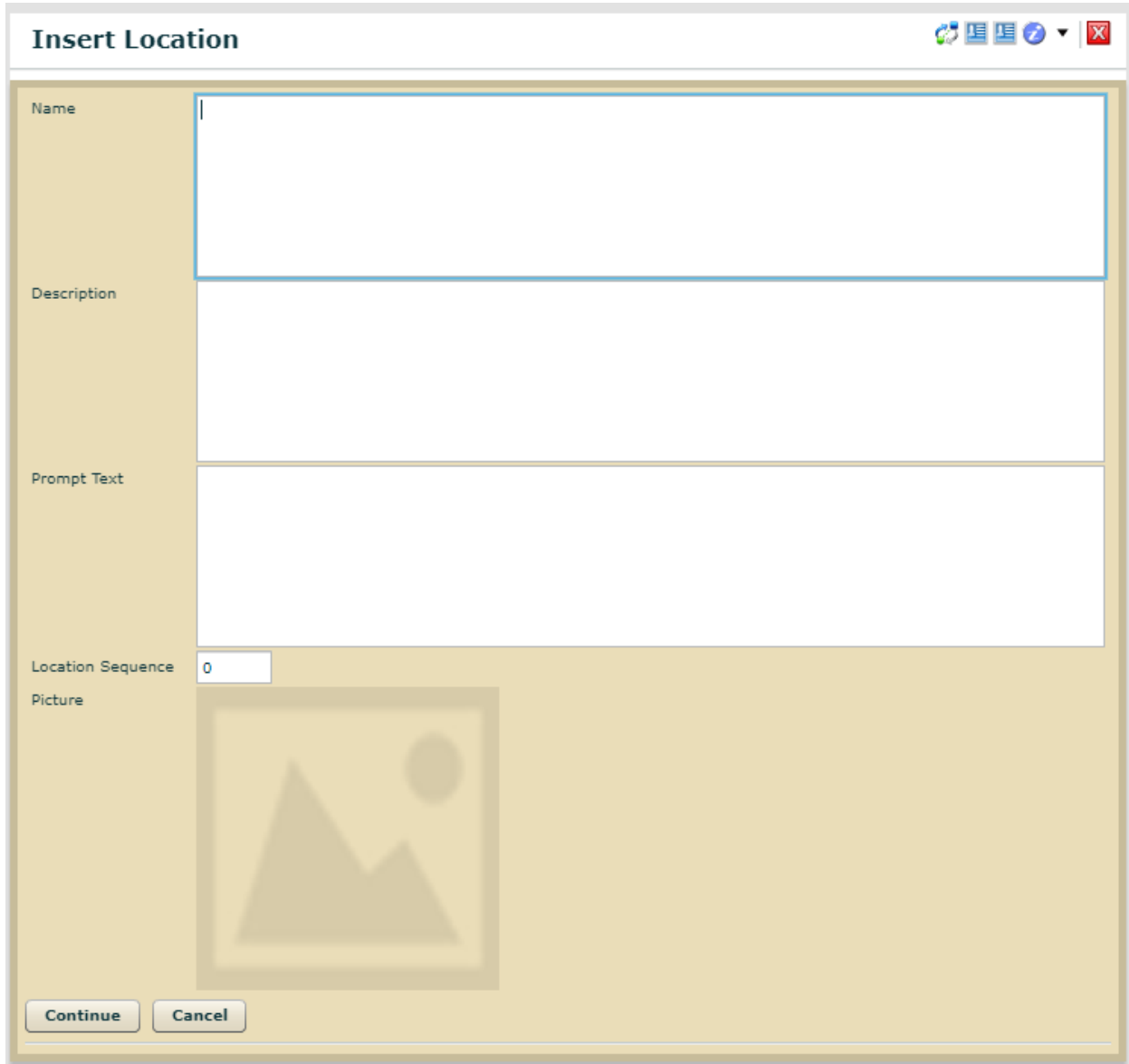
Locations

Highest level of categorization of inspection plan items. Locations may include inside, outside, systems, etc.

When adding new Department elements, the application will prompt for:

- Name
- Description
- Text
- Display sequence
- Picture – provides the capability to associate an image with the Location.
 - When entering data using the Rich Client the application will use the Windows filesystem to locate and select an existing image

- When using a mobile device, the application will use the in-built camera to capture an image



Insert Location

Name

Description

Prompt Text

Location Sequence 0

Picture

Continue Cancel

Zones

Second highest level, a sub-category of Location. Zones are structured within Locations, and may include such elements as galley, bedroom, dinette, etc.

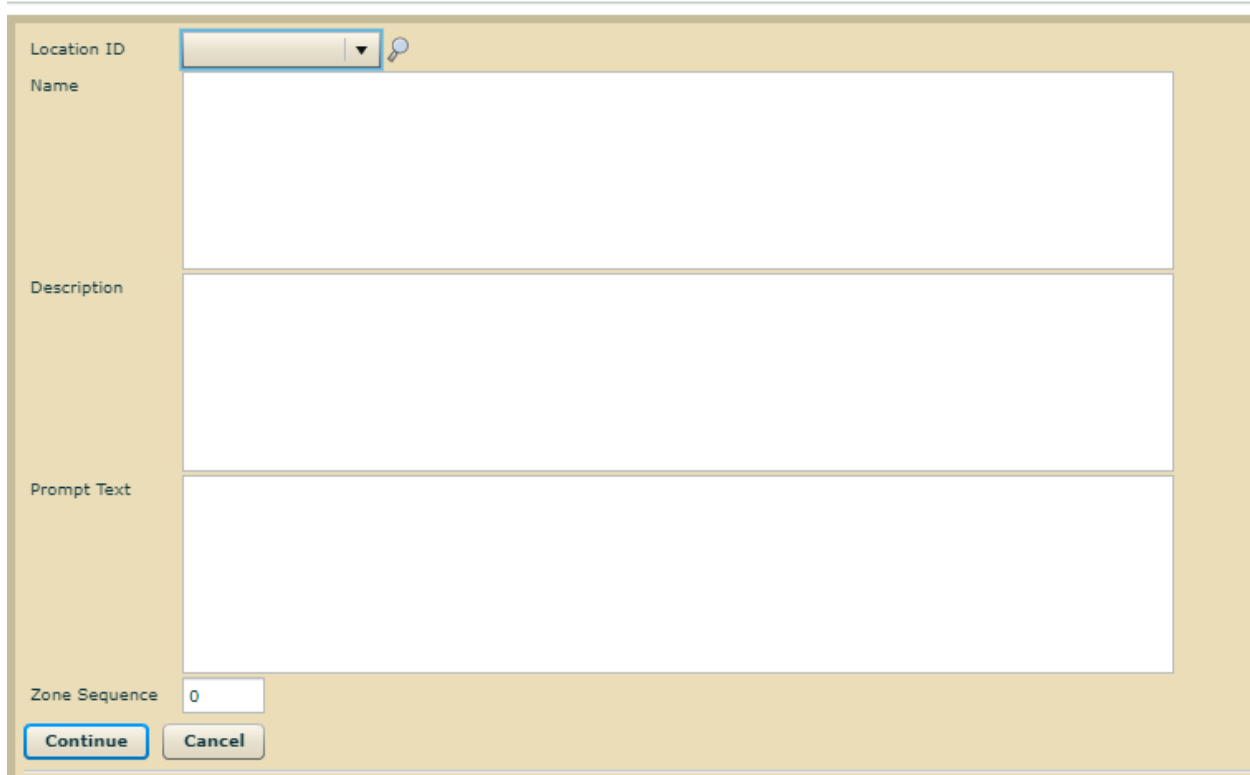
A Zone is defined with reference to the Location.

When adding new Department elements, the application will prompt for:

- Name
- Description

- Text
- Display sequence

Insert Zone



The "Insert Zone" dialog box is a light beige window with a vertical sidebar on the left containing labels for the input fields. The fields are: "Location ID" (a dropdown menu with a magnifying glass icon), "Name" (a large text area), "Description" (a large text area), and "Prompt Text" (a large text area). At the bottom left, there is a "Zone Sequence" field with the value "0". At the bottom right, there are two buttons: "Continue" and "Cancel".

Features

Third highest level, a sub-category of Zone. Features are structured within Zones, and may include such elements as cabinets, flooring, trim, etc.

A Feature is defined with a reference to a Zone.

When adding new Department elements, the application will prompt for:

- Name
- Description
- Text
- Display sequence



Insert Feature

The 'Insert Feature' dialog box is a light beige window with a thin border. It contains several input fields and two buttons. The fields are labeled 'Zone ID', 'Name', 'Description', 'Prompt Text', and 'Feature Sequence'. 'Zone ID' is a dropdown menu with a small blue key icon to its right. 'Name', 'Description', and 'Prompt Text' are standard text input boxes. 'Feature Sequence' is a small text box containing the number '0'. At the bottom left are two buttons: 'Continue' (highlighted with a blue border) and 'Cancel'.

Inspection Items

Specific Items to be inspected on a Product. Items are the primary building blocks of an Inspection Plan. Items should only be created once, even if they appear in multiple locations on a product. Use the Inspection Plan to determine when and where an Item appears for inspection on the product. i.e. do not create a light switch item for every location where it may exist. Instead, create a light switch item and place it as many times as necessary using a combination of Location, Zone and Feature to identify where the light switch can be found.

When adding new Department elements, the application will prompt for:

- Name
- Description
- Text
- Category – There are 3 possible options from the dropdown menu. The second 2 options are stubs for future enhancements, so keep the default setting of 'Determined by Model ID'.
 - Determined by Model ID
 - *Configuration Choice*
 - *Purchased Option*
- Department – Select a default department that would be associated with this item. i.e. a Cabinet may have the default department set to the Millwork department that built the unit in the first place. This department can be changed in the inspection phase depending on the defect discovered. A defect in the cabinet itself would keep the Millwork department, but an error in installation may be recorded as a defect against a different department entirely.
- Test Indicator - There are 3 possible options from the dropdown menu. Please see the Quality inspection User Guide for further details on how to use this functionality.
 - Not Required : 'Not required' is used for visual inspections where an item is assessed for quality by an inspector. i.e. looking for blemishes on finished surfaces.



- Timed Test: Timed tests are used where an inspection requires that an item exhibits a desired behavior for a set amount of time. i.e. observe that gas pressure remains at or above a certain level for a determined amount of time.
 - Un-Timed Test: Un-Timed tests provide the inspector with a detailed series of steps to perform a test but require no timing. i.e. the method to test some electronics may be complex and the item can contain detailed step-wise instructions on performing the test.
- Usage - There are 3 possible options from the dropdown menu.
 - Inspection Only
 - Audit Only
 - Both Audit and Inspection
- Result Type – There are 2 possible options from the dropdown menu. Please see the Quality inspection User Guide for further details on how to use this functionality.
 - Binary – Pass/ Fail: The Pass/Fail option is for all items that either pass the inspection or fail, there is no in-between level. i.e. a light switch either works or it does not work.
 - Graded; 0-5: Graded is for determining the quality of an item. i.e. Paint finish can be graded on a scale, where some grades are acceptable and other grades would be unsatisfactory.

Insert Item

Name	<input type="text"/>
Description	<input type="text"/>
Prompt Text	<input type="text"/>
Category	Determined by Model ID ▼
Dept ID	<input type="text"/> ▼ 🔍
Test Indicator	Not Required ▼
Usage	Inspection Only ▼
Result Type	Binary - Pass/Fail ▼
<input type="button" value="Continue"/> <input type="button" value="Cancel"/>	

Un-Timed tests

To setup an Un-Timed for an item test complete the following steps:

- Launch 'Inspection Items' from the Master Data Maintenance workbench.
- Double-click on the desired inspection item.
- Click the 'edit' link in the top right of the 'General' section.
- Select 'Un-Timed Test' from the 'Test Indicator' dropdown.
- Enter appropriate criteria in the 'Test Expected Results' box.
- Enter test instructions in the 'Test Instructions' box.
- Click 'Save'.

Master Inspection Items

General

Item ID 5027

Name

Description

Prompt Text

Status

Category

Dept Id

Result Type

Test Requirements

Test Indicator

Test Expected Results

Test Instructions

1) Test power
2) Test signal
3) Test route building

Test Duration (Min)

Inspection / Audit Usage

Usage

Timed tests

To setup a Timed for an item test complete the following steps:

- Launch 'Inspection Items' from the Master Data Maintenance workbench.
- Double-click on the desired inspection item.
- Click the 'edit' link in the top right of the 'General' section.
- Select 'Timed Test' from the 'Test Indicator' dropdown.
- Enter appropriate criteria in the 'Test Expected Results' box.
- Enter test instructions in the 'Test Instructions' box.
- Enter a duration number (in minutes) into the 'Test Duration' box.
- Click 'Save'.

Master Inspection Items

General

Item ID 5038

Name

Description

Prompt Text

Status

Category

Dept Id

Result Type

Test Requirements

Test Indicator

Test Expected Results

Test Instructions

1) Test pressure in radiator
2) Test water temperature in radiator

Test Duration (Min)

Inspection / Audit Usage

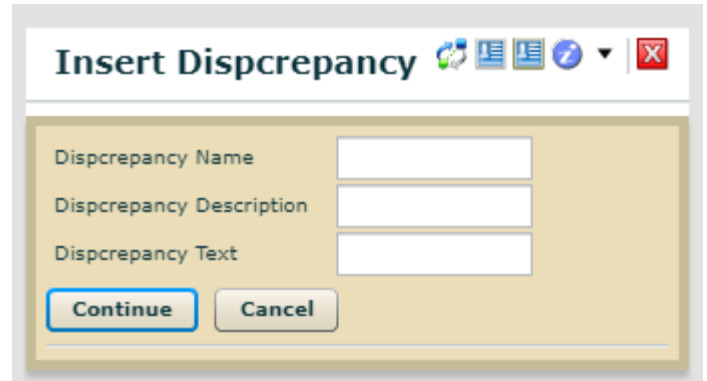
Usage

Item Attributes/Defects

Detailed identification of specific blemishes or defects that might affect an Inspection Item, to be discovered during inspection.

When adding new Department elements, the application will prompt for:

- Name
- Description
- Text



Insert Discrepancy

Discrepancy Name

Discrepancy Description

Discrepancy Text

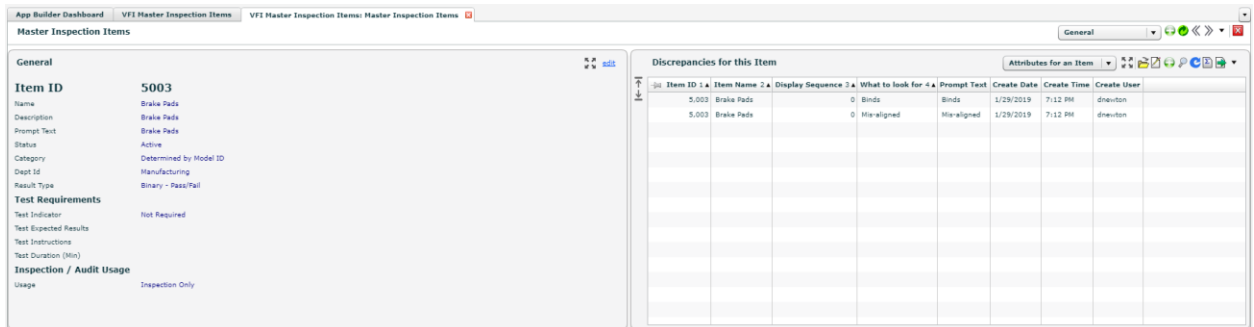
Inspection Item Attributes/Defects

Attributes associated with a single item; inspectors choose from the list of item attributes upon non-conformance

Attributes / Defects can only be assigned to Inspection Items when both the Inspection Item and the Item Attribute / Defect exist in the application.

The most logical way to associate Defects to Items is work with an individual Item and assign all the relevant Defects to that Item in turn.

- From the Master Items screen, double-click the row containing the item you want to assign defects against
- A detailed screen will appear showing the item and defects already assigned to this item, inspection plans using this item, and a failed item history log.



Master Inspection Items

General

Item ID: 5003

Name: Brake Pads

Description: Brake Pads

Prompt Text: Brake Pads

Status: Active

Category: Determined by Model ID

Dept ID: Manufacturing

Result Type: Binary - Pass/Fail

Test Requirements

Test Indicator: Not Required

Test Expected Results:

Test Instructions:

Test Duration (Min):

Inspection / Audit Usage

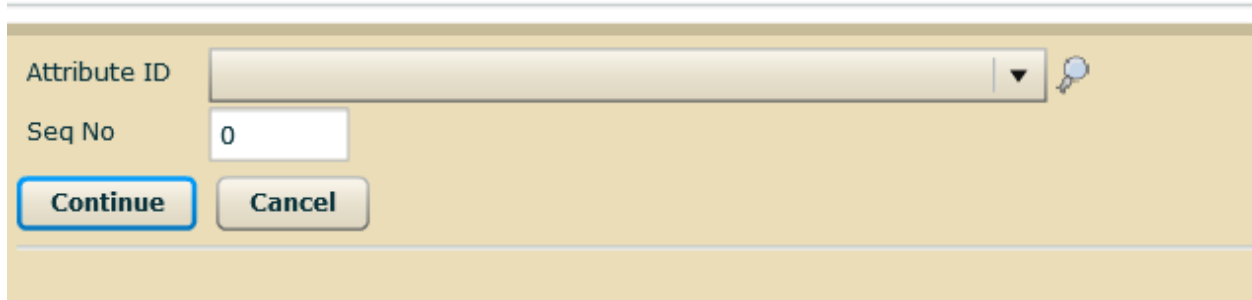
Usage: Inspection Only

Discrepancies for this Item

Item ID	Item Name	Display Sequence	What to look for	Prompt Text	Create Date	Create Time	Create User
5.003	Brake Pads	0	Binds	Binds	1/29/2019	7:12 PM	dnewton
5.003	Brake Pads	0	Mis-aligned	Mis-aligned	1/29/2019	7:12 PM	dnewton

- Click on the green add icon to launch the screen where you can select defects from a list.
- The screen will prompt for:
 - Attribute / Defect – select the desired defect from the dropdown list
 - Sequence number

Insert Defect on this Item



Attribute ID

Seq No

Continue **Cancel**

- Any defects added in this manner will appear in the defects for this item list.

Product Models

A Product Model represents a particular type / family / line of item sold to customers.

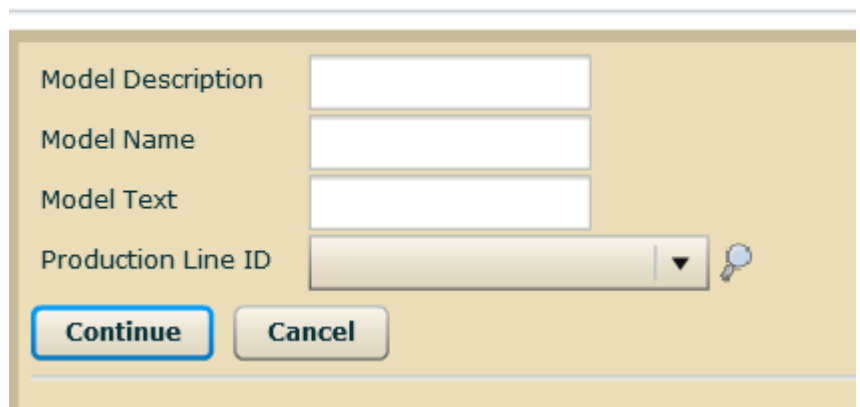
The sequence in which Product Models are created from scratch can be done in one of either two ways. Both methods accomplish the same result, and there is not a preferred method. It all comes down to personal preference:

- Create the Product Model now, then link to relevant Inspection Plans later in the process (at a point when Inspection Plans have been created)
- Create the Product Model later on in the process (when Inspection Plans have already been created) and link to relevant Inspection Plans.

When adding new Product Model elements, the application will prompt for:

- Name
- Description
- Text
- Production Line – Select a Production Line that is associated to the Product Model (Production Line is optional in the master data, and you can simply leave this field empty if you are not using Production Line)

Insert Model Header



Model Description

Model Name

Model Text

Production Line ID

Continue **Cancel**

Product Floorplans

A Product Floorplan represents a specific configuration of a Product Model.

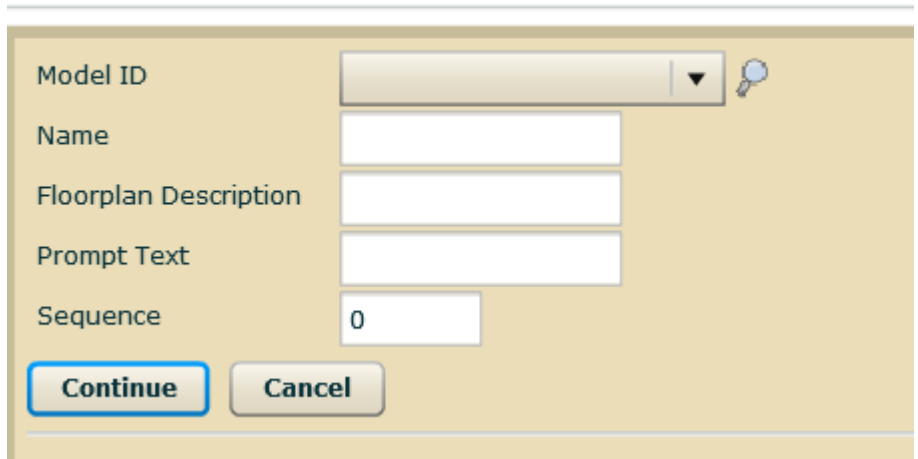
The sequence in which Product Models can be done in one of either two ways:

- created now, then linked to relevant Inspection Plans later in the process (at a point when Inspection Plans have been created)
- created later on in the process (when Inspection Plans have already been created) and linked to relevant Inspection Plans.

When adding new Product Floorplan elements, the application will prompt for:

- Product Model – select the Product Model that this Product Floorplan is associated with from the dropdown list of values
- Name
- Description
- Text
- Sequence

Insert Floorplan



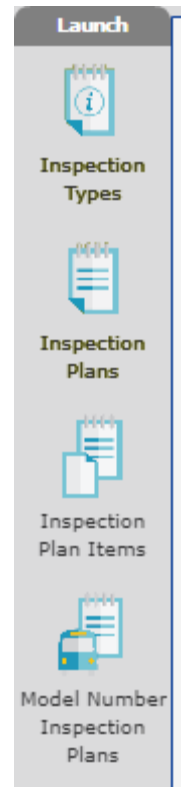
The dialog box titled "Insert Floorplan" has a light beige background. It contains the following fields and controls:

- Model ID:** A dropdown menu with a small downward arrow and a magnifying glass icon to its right.
- Name:** A text input field.
- Floorplan Description:** A text input field.
- Prompt Text:** A text input field.
- Sequence:** A text input field containing the number "0".
- Buttons:** Two buttons at the bottom: "Continue" (highlighted with a blue border) and "Cancel".

INSPECTION PLANS

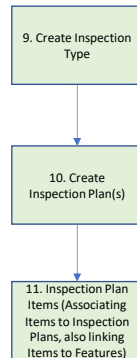
Inspection Plans are required in the Quality inspection app to determine which items are examined within each inspection, and which inspection plans are applied to the various products. All launchers associated with the creation and maintenance of Inspection Plans are located within the **Inspection Plans** Workbench.

The Inspection Plan elements items need to be entered in a very specific order. The sections below will define the sequence and the steps involved to create full functional Inspection Plans.



INSPECTION PLAN DATA ENTRY SEQUENCE

This section details the sequence in which inspection plan elements should be entered and defines the inter-dependency of Inspection Items to Inspection Plans, and which Inspection Plans are defined for which Products.



These actions represent building Inspection Plans which tell the system which Items (and associated Defects) are linked to which Features.

INSPECTION PLAN ELEMENTS

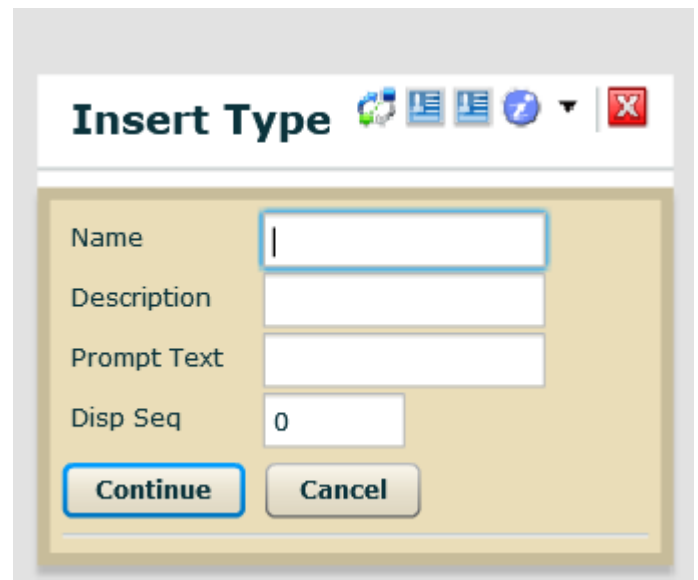
Inspection Types

Each inspection plan is assigned a type for classification. Inspection Type is the highest level in the Inspection Plan hierarchy and defines the general types of inspections available. i.e. Quality inspection, Road Test, Water Test,

Final Delivery Inspection, etc.

When adding new Inspection Type elements, the application will prompt for:

- Name
- Description
- Text
- Sequence



Insert Type

Name

Description

Prompt Text

Disp Seq

Continue **Cancel**

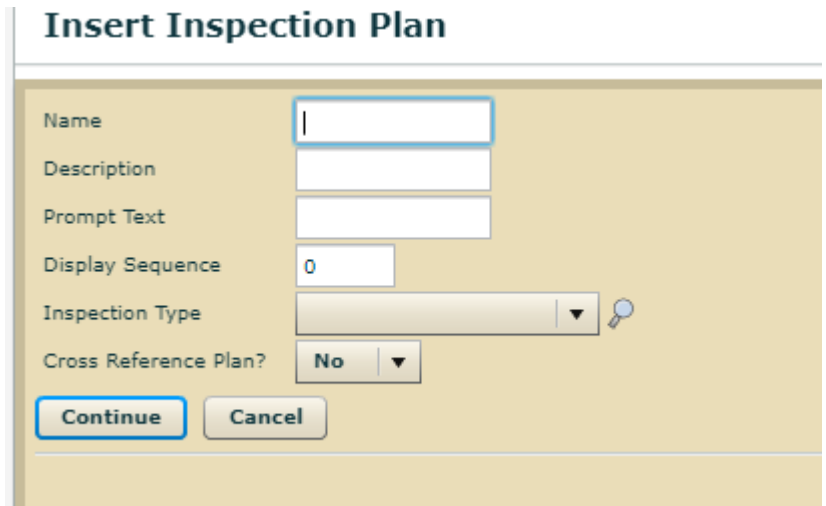
Inspection Plans

A name given to a particular configuration of items to be inspected. An Inspection can be as specific as to apply only to one floorplan, or as broad so as to apply to many Models and Floorplans.

Each Inspection Plan references one Inspection Type. The relationship between Inspection Type and Inspection Plan can either be 1:1 or 1:N. A simple Inspection Plan that applies to all products being inspected (i.e. paint quality) is likely to be 1 Inspection Plan per 1 Inspection Type. However, a more complex Inspection Plan that is different for different products would likely be multiple Inspection Plans per Inspection Type. i.e. inspecting an engine could use different Inspection Plans for diesel and gasoline engines, and maybe even different Inspection Plans for different types of gasoline engine. All these differing Inspection Plans would all tie back to a single Inspection Type of 'engine inspection'.

When adding new Inspection Type elements, the application will prompt for:

- Name
- Description
- Text
- Sequence
- Inspection Type – dropdown list containing all Inspection Types that have been entered into the application
 - Select the Inspection Type to which this Inspection Plan is associated.
- Cross Reference Plan – For standard inspection plans the default setting of 'No' should be kept. Refer to the section on Cross Reference plans for when this should be set to 'Yes'.



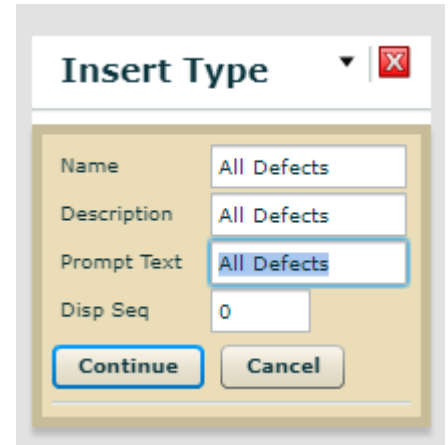
Cross Reference Plans

The Quality inspection app has the capability for any item to be recorded with a defect, even if that item is not part of the scripted inspection plan currently being executed by an inspector. These ad-hoc defect items will be recorded against that specific inspection for that specific product. These ad-hoc items do not become a permanent part of that inspection plan going forwards.

To enable this feature a specific inspection plan needs to be created to support this functionality. A dedicated inspection plan needs to be created.

The steps to create a plan to support the creation of ad-hoc defects on any inspection are as follows:

- Create a dedicated Inspection Type
 - Typical name might be 'All Defect Items' or something similar.



Insert Type [X]

Name: All Defects

Description: All Defects

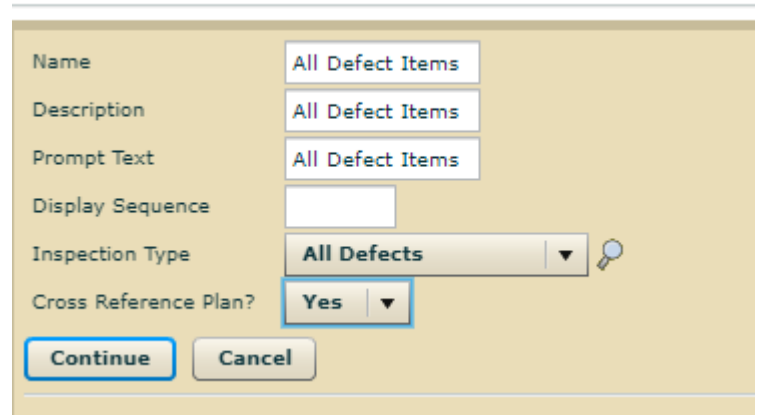
Prompt Text: All Defects

Disp Seq: 0

Continue **Cancel**

- Create a dedicated Inspection Plan underneath the Inspection Type'
 - Be sure to select the 'Yes' option for the Cross Reference Plan dropdown.

Insert Inspection Plan



Insert Inspection Plan

Name: All Defect Items

Description: All Defect Items

Prompt Text: All Defect Items

Display Sequence:

Inspection Type: All Defects

Cross Reference Plan? Yes

Continue **Cancel**

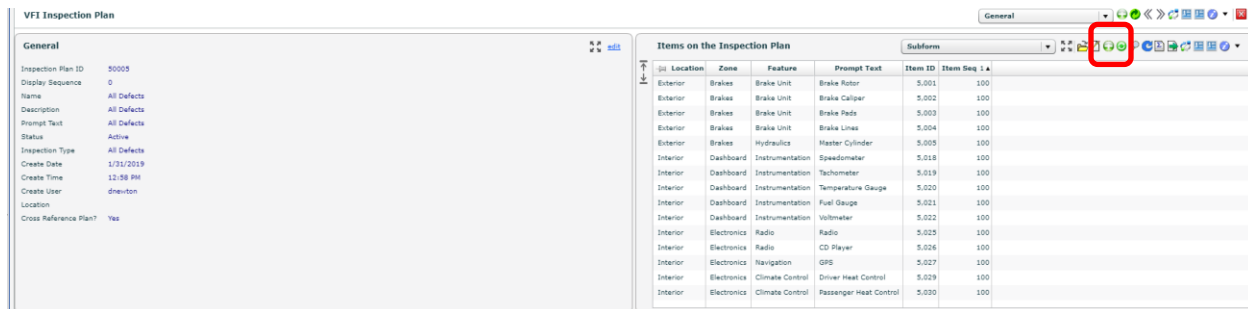
- Add all the Inspection Items that would be required to be recorded as ad-hoc (this is typically all the Inspection Items) underneath the new plan.
 - Detailed in the section below.

Inspection Plan Items

The pattern of items to be inspected. Items are assigned a Location, Zone and Feature to identify where that Item is physically located. An Item can appear multiple times on one Inspection Plan – differing by combination of Location, Zone and Feature.

This launcher is ideally used to view a complete list of Inspection Items by Inspection Plan. The best method to add Inspection Items to an existing Inspection Plan is detailed in the steps below:

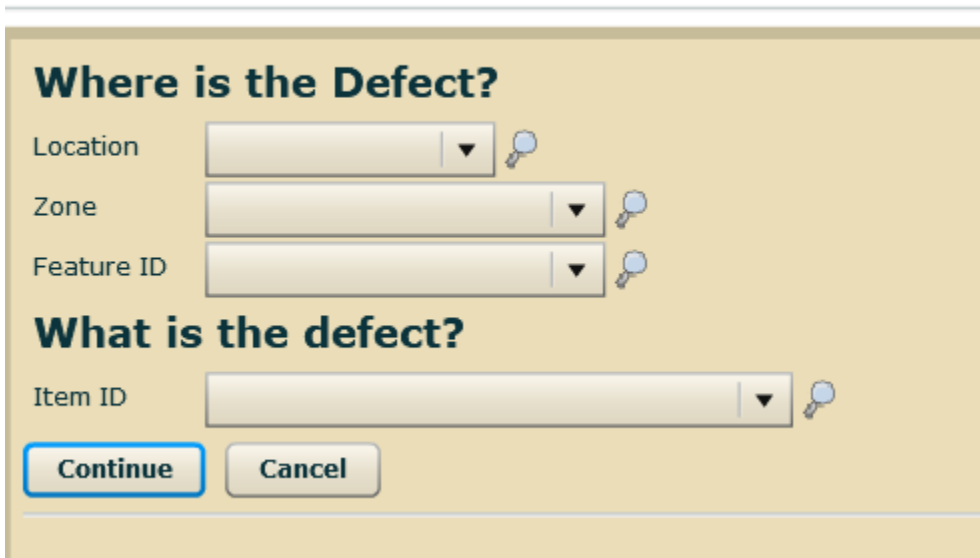
- Launch 'Inspection Plans' from the Quality inspection Plans Maintenance workbench.
- Double-click on the desired Inspection Plan to assign Inspection Plans against.
- Click the green 'add' icon in the top right of the 'Model Inspection Plans' section.
- Select the desired Item and Location (detailed in the section below).
- Click 'Continue'.



When adding Inspection Items to an Inspection Plan, the application will prompt for:

- **Location** – select the Location for the Item from the dropdown list containing all Locations that have been entered into the application
- **Zone** - select the Zone for the Item from the dropdown list containing all Zones that have been entered into the application
- **Feature** - select the Feature of the Item from the dropdown list containing all Features that have been entered into the application
- **Item** – select the Item you want to add to the Inspection Plan from the dropdown list of all Items that have been entered into the application

Insert Items on Plan



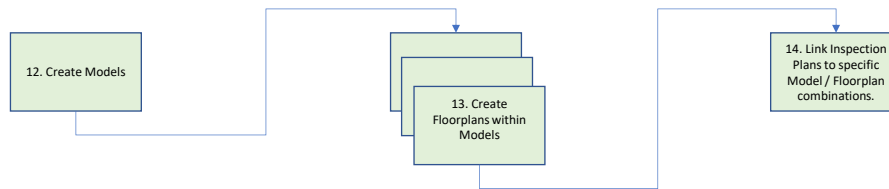
Model Inspection Plans

A Floorplan refers to one or more Inspection Plans to address all the items to be inspected. Floorplans are related to Inspection Plans in a one-to-many relationship table. Each Inspection Plan associated with a Floorplan becomes an inspection header during quality inspection.

This particular launcher is best used to view a complete list of Inspection Plans associated to Floorplans. The best method to an Inspection Plan to a Product Floorplan is follow the 'Linking Inspection Plans to Products' section below.

LINKING INSPECTION PLANS TO PRODUCTS.

This section details the optimal sequence in which Inspection Plan elements should be created and defines the inter-dependency of Inspection Items to Inspection Plans, and which Inspection Plans are defined for which Products / Floorplans.



These actions show how Models and Floorplans are created, and how certain inspection plans are linked to certain Products (Model / Floorplan combinations).

The process of linking Inspection Plans to Product Model / Floorplans can only be accomplished when Product Models, Product Floorplans and Inspection Plans have all been created.

The most logical way to link Inspection Plans to Product Model / Floorplans :

- Open the list of Product Floorplans using the Product Floorplan launcher.

App Builder Dashboard

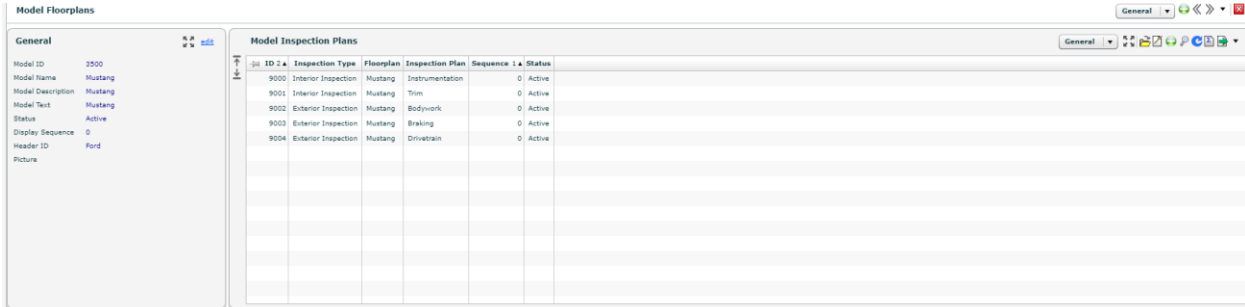
Model Floorplans

Model Floorplans

	Model #	Name	Description	Prompt Text	Model ID	Model Name	Model Description	Status	Display Sequence 1	Create User	Create Date	Create Time	
	3500	Mustang	Mustang	Mustang	3001	Ford	Ford	Active		dnewton	1/29/2019	2:31 PM	
	3501	Explorer	Explorer	Explorer	3001	Ford	Ford	Active		dnewton	1/29/2019	2:31 PM	
	3502	F150	F150	F150	3001	Ford	Ford	Active		dnewton	1/29/2019	2:32 PM	
	3503	Camaro	Camaro	Camaro	3002	Chevrolet	Chevrolet	Active		dnewton	1/29/2019	2:32 PM	
	3504	Traverse	Traverse	Traverse	3002	Chevrolet	Chevrolet	Active		dnewton	1/29/2019	2:32 PM	
	3505	Silverado	Silverado	Silverado	3002	Chevrolet	Chevrolet	Active		dnewton	1/29/2019	2:32 PM	
	3506	Challenger	Challenger	Challenger	3003	Dodge	Dodge	Active		dnewton	1/29/2019	2:33 PM	
	3507	Durango	Durango	Durango	3003	Dodge	Dodge	Active		dnewton	1/29/2019	2:33 PM	
	3508	Ram	Ram	Ram	3003	Dodge	Dodge	Active		dnewton	1/29/2019	2:33 PM	

- Select the Product Floorplan you want to add and Inspection Plan to by double-clicking anywhere on the appropriate line.

- You can, alternately, select the Product Model from the Product Model launcher first, and then select the Product Floorplan from the associated detail screen
- A detailed screen will display
 - Details of the selected Product Floorplan
 - Inspection Plans already associated with this Product Floorplan
 - Active inspections for this Product Floorplan

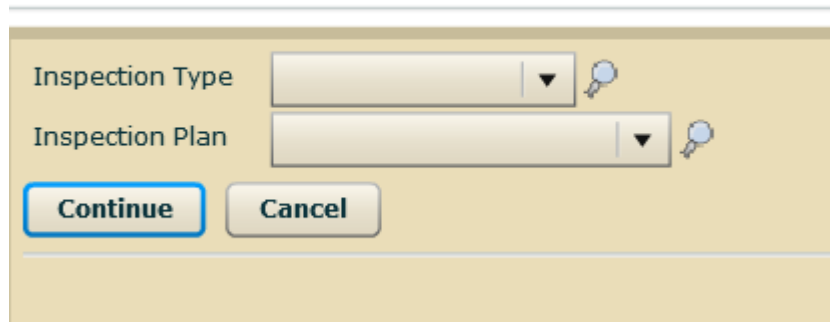


The screenshot shows the 'Model Floorplans' application window. On the left is a 'General' sidebar with fields: Model ID (3500), Model Name (Mustang), Model Description (Mustang), Model Text (Mustang), Status (Active), Display Sequence (0), Header ID (Ford), and Picture. The main area is titled 'Model Inspection Plans' and contains a table with the following data:

ID	ID 2	Inspection Type	Floorplan	Inspection Plan	Sequence	Status
9000		Interior Inspection	Mustang	Instrumentation	0	Active
9001		Interior Inspection	Mustang	Trim	0	Active
9002		Exterior Inspection	Mustang	Bodywork	0	Active
9003		Exterior Inspection	Mustang	Braking	0	Active
9004		Exterior Inspection	Mustang	Drivetrain	0	Active

- In the Model Inspection Plans section, click on the green 'add' icon
- Select the Inspection Type that contains the Inspection Plan you want to add
- Select the Inspection Plan you want to add
 - Inspection Plans displayed in the dropdown list are those linked to the chosen Inspection Type

Insert Inspection Plan



The 'Insert Inspection Plan' dialog box has a yellow background. It contains two dropdown menus: 'Inspection Type' and 'Inspection Plan'. Each dropdown has a small key icon to its right. At the bottom, there are two buttons: 'Continue' (highlighted with a blue border) and 'Cancel'.