LOAD ENTRY 3

OPERATIONS MANUAL

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Introduction

SSi’s Load Entry 3 software is part of the SSi SuperDATA suite of programs. Load Entry assists with recipe management and tracking by providing a single, PC-based interface to control all activities within a facility. Load Entry is accessible from any SuperDATA workstation, allowing multiple access terminals throughout a facility. Load Entry seamlessly integrates with existing SSi controllers, allowing Configurator to import recipes.

Load Entry allows you to enter or import various operations, furnaces, recipes, parts, and users, but also enables you to “apply” these items to one another as required by your facility. This allows for easy tracking, management, and information retrieval, saving you time and money.

If required, Load Entry allows controllers to extend past the previous limit of 300 recipes.

Load Entry’s built-in Recipe Management features allow administrators to “lock” specific recipes, preventing operators from making temporary changes, while providing flexibility by allowing other recipes to remain “unlocked.” Recipe revisions are tracked, providing complete visibility for actual recipes run in the equipment.

Load Entry also maintains historical data marking the beginning time, end time, and Operator ID for each charged load. This data helps improve load traceability and increase operator accountability. Historical data can be quickly accessed to generate reports and trend charts (using SDRecorder II). Each report can store detailed part information (part number, quantity, material, etc.) as well associate part images for a specific load.

**IMPORTANT!**

Standard Load Entry will serve as a recipe manager as well as a load management system. It is intended to replace your existing recipe management software. Attempting to use another recipe manager in addition to Standard Load Entry on the same equipment is likely to result in operational errors and must be avoided.

Prerequisites

- **.NET Framework 4.6.2+**
  Standard Load Entry requires **Microsoft .NET Framework 4.6.2 or higher**.

- **Super Systems API**
  Standard Load Entry requires access to the Super Systems Application Program Interface (API) running on the server, which communicates to either SDIO or DataCenter (the SuperDATA Communications engines), as well as SQL Server.

The Setup Flowchart below illustrates the recommended steps to follow when setting up and installing Standard Load Entry, especially for the first time. These features will be used after the initial setup as new loads are added, process requirements change, etc.
Setup Flowchart

**Step**

1. Install and Configure SQL
   - Result: SQL Database now exists and can be used by SSI Load Entry software
   - See Page: 6

2. Install LE3
   - Result: LE3 is installed. Load Entry database is created.
   - See Page: 6

3. Set Up Users
   - Result: Users are created with passwords and needed access levels
   - See Page: 9

4. Set Up Options
   - Result: Program options are set
   - See Page: 10

5. Set Up Operations
   - Result: Operations are defined
   - See Page: 12

6. Set Up Furnaces
   - Result: Furnaces and Instrumentation are defined
   - See Page: 14

7. Set Up Recipes
   - Result: Recipes are defined and associated with Operations
   - See Page: 16

8. Set Up Parts (if applicable)
   - Result: Parts are defined and associated with Recipes and Operations
   - See Page: 17

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Ready for Operation. Refer to page 21.
SQL Setup

Please refer to the *SQL Server Setup Guidelines for SSI Software Installations Reference Guide* found on the Manuals page of the Super Systems website: [www.supersystems.com](http://www.supersystems.com). In addition, prior to installation, the Super Systems API must be installed and set up for SDIO or DataCenter. If you have questions about your specific installation, please consult your IT administrator or contact SSI at (513) 772-0060.

Installation

To install Standard Load Entry, first double-click on the *03_LoadEntry3_Client.msi* file provided with the installation disc or installation files you received. A screen similar to the one at right will be shown.

Click the **Install** button to proceed.

When the Setup welcome screen appears, click **Next** when ready to proceed.
In the next window that appears, enter the name of the folder where Load Entry should be installed. The default will typically be “C:\SSi\Bin\SSi Load Entry\”. If you want to change the default, click the Change button.

When ready to proceed, click Next.

Load Entry will then ask for Server Communication Settings.

If you are unsure of the correct settings and information, please consult your IT professional or contact SSi for assistance.

Click the Install button to proceed.
The software will install. The remaining screens will confirm the installation.

Setup

When run for the first time, Load Entry users, furnaces, operations, recipes, and parts (if applicable) must be created.

This manual is written with a suggested order of setting up items. SSi suggests this order based on the most logical progression of steps for configuring LE3. The sections below detail setup of the following components, in this order: users, options, operations, furnaces, recipes, and parts.

To start Load Entry, open the LoadEntry.Windows program from the Start Menu. By default, this program shortcut is located in the SuperSystems program group.

When first opened, the Overview screen will be displayed:

![Overview Screen]

This screen will be explained in more detail on Page 21. Once logged in with administrator access (by using the Login button at top right), you may continue with the setup.
Management Window

Clicking the SSi button will bring up the Management Window which includes the following options:

- Operations
- Furnaces
- Recipes
- Sequences
- Parts
- Fields
- Users
- Gaps
- Shifts
- Options
- About

These options will allow you to input the information that Load Entry will use to control the activity in your facility. Think of this as setting up the background processes that will allow you to manage day-to-day operations elsewhere in the application. This manual is written with a suggested order of setting up items. SSi suggests this order based on the most logical progression of steps for configuring LE3. The sections below detail setup of the following components, in this order: users, options, operations, furnaces, recipes, and parts.

User Editor

The User Editor allows you to add user information and set passwords and “Claims” for each user. At the top of the window are the following buttons:

To begin, click the “Create New” button. On the ensuing screen, use the **User Name**, **Name**, **Change Password**, **Confirm Password**, and **Visual Shop User ID** boxes to enter this information.

“Claims” are simply permissions and determine what options the user will be able to access. Available Claims are:

- Admin
- Manage Parts
- Manage Users
- Override Work Order
- Manage Gaps
- Edit Gap
- Add Historical Loads
- Force Load Out
- Run Loads
- Manage Recipe
- Manage Sequences
- Manage Options
- Approve Work
- Manage Shift
- Check for Updates
- Add Rework
- Manage Work Orders
- Manage Furnace
- Override Sequences
- Manage Operations
- Edit Track
- Overwrite Gaps
- Delete Load Tracks
NOTE: The “Admin” Claim gives a user access to all options.

When completed, click “Save” to save the User information. This user will now be added to your list. After entering several users, your Users list may look something like this:

<table>
<thead>
<tr>
<th>User Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bob</td>
<td>Bob</td>
</tr>
<tr>
<td>Damian</td>
<td>Damian</td>
</tr>
<tr>
<td>Jim</td>
<td>JimO</td>
</tr>
<tr>
<td>QA</td>
<td>Quality Manager</td>
</tr>
<tr>
<td>tsi</td>
<td>ts1</td>
</tr>
<tr>
<td>Steve</td>
<td>Steve</td>
</tr>
<tr>
<td>Zach</td>
<td>Zach</td>
</tr>
</tbody>
</table>

The “Duplicate” button will show a user editor screen with all claims of the selected user marked as selected. The user name, name, and password fields will be blank, for easy editing.

Use the “Delete” button to delete the currently selected User.

To exit the Users Editor, click the “Exit” button.

Options Editor

The Options Editor window allows you to view and edit information about Data Provider, Data Provider URL, Defaults, Connections, Units, Logins, and other optional features. This will allow you to set up LE3 in the way that best fits the needs of your facility.

DATAPROVIDER:

DataProvider: Enter the name of the Data Provider.

Data Provider URL: Enter the web address of the Data Provider.

DEFAULTS:

Pick List Limit: Defines how far back the Pick List feature will go when creating a load.

UNITS:

Temperature: Enter the desired temperature display unit.

Weight: Enter the desired weight display unit.
LOGINS:

Login Limit Enabled: When checked, LE3 will log out users after a period of inactivity.

Login Limit Minutes: How long a user can remain inactive before being logged out by LE3.

VISUAL SHOP:

SQL Server Connection String: This information is required to pull data from your Visual Shop database. This feature can be set up from the Furnace Editor [see p. 14]

Custom Field: A label for a single piece of data that can be tracked with a Visual load.

OPTIONAL FEATURES:

Use Parts Database: When checked, the Parts database options will be available.

Use Gap Time: When checked, the Gap options will be available.

Use Work Order Approval: When checked, Work Order Approval options will be available.

Apply Default Offset to Trend: When checked, the report default offset will be applied to load end and start after clicking “View Trend.”

Use Register Definitions: When checked, Register and Definition options will be available for furnaces and recipes that use an HC900 controller.

Disable Weight: When checked, Weight options will not be available.

Display Furnace Run ID: When checked, a furnace ID will be displayed, based on the prefix defined in the furnace and the number of loads that have been run in that furnace

Display Work Order Completed Steps: Displays the time in and time out of each completed step on the Work Order Editor

Use External Database Mapping: When checked, allows you to connect to an external database to pull data for custom fields. Use the “Edit Mappings” button to enter the desired settings.

Display status color: When checked, furnace status will be displayed by color in the Overview screen. Use the “Edit Status Colors” button to customize the colors used for each status.

REPORT DEFAULTS:

Start Offset: Enter a starting offset value. This defines the amount of time to wait before a load begins when opening SDRecorder and running load reports.

End Offset: Enter an ending offset value. This defines the amount of time to wait after a load ends when opening SDRecorder and running load reports.
**Custom Logo:** Use to add your own custom logo to a Load Report. Click the “…” button to browse your computer for the desired file.

Click “Save” to save your Option settings.

**Operations Editor:**

The Operations Editor Window allows you to enter information about the operations in your facility that Load Entry will control. Specifically, you can choose to “Apply” an operation to any Recipes, Furnaces, or Parts that you have already inputted into the software or imported from a database.

At the top of the window you will see the following buttons:

![Buttons](image)

On the left of the window you will see a list of Operations (empty if you have not yet created any) and a “Filter…” input box which will allow you to filter/search the displayed Operations.

The main view area of the Operation Editor Window is where you will enter your Operations information.

To begin, click the “Create New” button. Enter a name for your new Operation. If you have not yet created any Recipes, Furnaces, or Parts in the system, naming the Operation will be your only option. If you have created any of this additional information, you will have the option to apply your new operation to those items:

![Operation Editor](image)

Click the “Save” button to save the current Operation. It will now be displayed on the list to the left.

If you create several Operations within the window, you can use the “Save All” button to save multiple Operations.
The “Duplicate” button will create a copy of the currently selected Operation and will name it accordingly.

Use the “Delete” button to delete the currently selected Operation.

To edit an existing Operation, simply select it in the list on the left and its information will appear in the main view area.

**NOTE:** If an Operation is displayed *in italics* within the list view, this indicates that it contains unsaved changes.

To exit the Operations Editor, click the “Exit” button. After entering information for numerous Operations, as well as Recipes, Furnaces, and Parts (all described later), your Operations Editor may look something like this:
**Furnace Editor**

The Furnace Editor Window allows you to enter information about the Furnaces in your facility that Load Entry will control. You can then assign the furnace to the desired Operations. The basic functionality of the Furnaces Editor is the same as the Operations Editor (see p.12), but with the following additional options:

**Display Manager**

The Display Manager button will bring up the Furnace Display Editor. In this window, you can customize how this furnace will be displayed on the Overview screen. Use the dropdown menus to select Properties by line, how they will be displayed, whether the display parameter is enabled, and a color for each item. You may also select two real-time Process Variables to be displayed on the Overview screen. By customizing this information, the Overview screen can display the information you want in the way that is most useful to your facility.

When completed, click Save to save any changes.

**NOTE**: If an Furnace is displayed *in italics* within the list view, this indicates that it contains unsaved changes.

**Furnace Details Panel**

The Details Panel allows you to choose a Connection, Model, SDRecorder trend chart, set Min and Max Weights and Temperatures, enter a Programmer Number, and assign settings for Visual Shop integration.
NOTE: If the furnace is Visual Shop integrated, the Visual Shop Equipment Id must match the asset’s id in Visual Shop in order to use the tracking feature [see p. 11].

Overview Group Assignments

The “Manage Overview Groups” button allows you to organize the Furnaces displayed on the Overview window into groups.

On the Overview Groups Editor window, simply click the New button and enter a group name in order to create a new group.

When completed, click “Save.” You will now have the option to assign furnaces to your new group by using the “Overview Group Assignments” panel on the Furnace Editor Window. (You will first need to click Save on the main Furnace Editor, then close it and restart.)

When you are finished assigning furnaces to groups, the Overview Window will display your Furnaces by groups. (NOTE: You may need to restart the application for the new group to appear in the Overview screen.)

NOTE: If an Overview Group is displayed in italics within the list view, this indicates that it contains unsaved changes.
Recipe Editor

The Recipe Editor Window allows you to enter information about the Recipes in your facility that Load Entry will control. The basic functionality of the Recipe Editor is the same as the Operations Editor (see p.12), but with the following additional options:

Recipe Details Panel

The Details Panel allows you to select the Controller Model, Recipe Number and, if desired, to lock that selection or enable the current recipe to be used as a subroutine for the GOSUB and JUMP opcodes. Depending on the selected recipe, you can also enter additional parameters such as MaxTemp1 or Setpoint2.

Recipe Panel

The Recipe Panel allows you to select Opcodes to build a recipe.

NOTE: For explanations of Opcodes, refer to the manual for your controller.

The “Revision” dropdown menu allows you to view and select all the previous revisions of the currently selected recipe. Each time a change is saved to the recipe, a new revision is created along with a date and time stamp.

To edit a recipe, double-click on an Opcode to bring up the step editor.

Use the Selected Opcode dropdown menu to select an Opcode for this step and set all necessary parameters. (Selecting the “Alphabetical” checkbox will display available Opcodes alphabetically.) When finished, click “OK.” Your new recipe step will be displayed in the recipe editor (depending on the Opcode you entered, you may need to scroll up and down or use the sorting tabs in order to view the newly-entered step).

NOTE: If a Recipe is displayed in italics within the list view, this indicates that it contains unsaved changes.
Parts Editor (optional feature)

In the Parts Editor, you can associate parts with the sequences and recipes that Load Entry will control, allowing for quick selection of processes later. If you do not assign a part to a recipe in the Parts Editor, it can only be run on manual loads or will require an override. The basic functionality of the Parts Editor is the same as the Operations Editor (see p.12), but with the following additional option:

Details Panel

The Details Panel allows you to enter the weight of a part, along with information for any custom fields that have been created.

In addition, an image of the part can be assigned by clicking the button next to the part Name and selecting a file from your computer.

NOTE: If a Part is displayed *italics* within the list view, this indicates that it contains unsaved changes.

Fields Editor

The Fields Editor allows you to add additional field input options to the Details Panels of Furnaces, Parts, Recipes, and Work Orders. The basic functionality of the Fields Editor is the same as the Operations Editor (see p.12).

Fields Details Panel

The Details Panel will allow you to set a standard format for entries into the new Fields you will create.

If “Normalized List” is checked, you may create a custom set of list items based on your own needs. This can be useful to assign specific customers, priority levels, or other existing terminology specific to your facility.

To add selections to your normalized list, click the Add button and enter the name of a list selection. Repeat this process until you have created all the desired items in your list. These items will appear as a dropdown menu for every Furnace, Part, Recipe, etc. that you apply it to.

If “Normalized List” is unchecked, you will see options that allow you to assign specific formatting to fields. This is useful when using this feature for standard codes and numbering systems in your facility.
The “Format” box allows you to set this format, as follows:

- A = any alphabetical character
- 1 = any numerical character
- Any other characters represent themselves literally.

Example 1:

You are creating a “Customer” field and your company uses a code of three numbers and three letters to identify each customer (e.g. “FES027” or “MPS019”).

You would enter “AAA111” into the “Format” box to indicate three letters and three numbers.

Example 2:

You are creating a “Customer” field and your company uses a five-digit code followed by the letter C to identify each customer (e.g. “45230C” or “18235C”).

You would enter “11111C” into the “Format” box to indicate five numbers followed by a “C.”

Example 3:

You are creating a “Part Code” field and your company numbers parts using a numerical prefix “007,” and a four-number numerical code, separated by a hyphen (e.g. “007-4129” or “007-8173”).

You would enter “007-1111” into the “Format” box to indicate the numerals “007,” a hyphen, and a four-digit number.

If a specific format is not required for the current field, simply leave the “Format” box blank.
If the “Format” box is not used, you can instead set a required length for entries into this field. For example, if you have no standard format, but all entries must be exactly seven characters long, you would enter “7” into the “Required Length” box.

**NOTE:** If using the “Format” box, you must enter “0” into the “Required Length” box.

Clicking the “Required” box will force all future users to match the indicated format before saving entered information:

![Customer: 54433](The format is invalid, and must match the following format: 1111CC)

Clicking the “Export” box will cause this field to be included when using the export feature on the History Tab (see p. 27).

Under the “Applied To” bar, select which Furnace, Part, Recipe, and Work Order you would like to apply the selected Field to.

**NOTE:** If a Field is displayed *in italics* within the list view, this indicates that it contains unsaved changes.

**Gap Editor (Optional Feature)**

The Gap Editor allows you to create names for gaps that exist in your facility’s processes. This can be very useful in tracking downtime and improving efficiency in your facility.

On the Gap Editor window, simply click the New (+) button and enter a Gap name in order to create a new Gap. You can then assign a color to the selected gap if desired.

When completed, click “Save.”
Shift Editor

The Shift Editor allows you to create and name shifts and set shift begin and end times. The basic functionality of the Shift Editor is the same as the Operations Editor (see p.12). To set shift start and shift end, either enter the time in the input box, or click the clock icon to set a time using dropdowns.

**NOTE:** All shifts combined must add up to 24 hours with no overlap.

**NOTE:** If a Shift is displayed *in italics* within the list view, this indicates that it contains unsaved changes.

Sequence Editor

The Sequence Editor window allows you to create a series of steps (called a Sequence) that can control how a part or work order is processed through multiple operations, furnaces and recipes. The basic functionality of the Sequence Editor is the same as the Operations Editor (see p.12).

Once a new Sequence is created and named, use the New button to add steps to the Sequence. Steps consist of Operation, Furnace, and Recipe assignments. Click “Save” to add the step to the sequence.

To edit a step, click the Edit button or double-click on the step in the Steps display area.

**NOTE:** If a Sequence is displayed *in italics* within the list view, this indicates that it contains unsaved changes.
**About**

The About panel displays release notes and allows you to check for automatic updates.

**Overview Screen**

The Overview Screen displays all current furnace information in groups as assigned by the user. This is also where you will assign gaps (if enabled), begin new loads and, if necessary, enter historical loads.

NOTE: Instructions below assume that Gaps are enabled. If you are not using Gap options, some functionality will differ slightly.

Click on a group to display the furnaces in that group. “Overview” will display all furnaces regardless of group.

Click on a furnace to display information on its current status. In addition, if a furnace is listed as disconnected, you may have the option to add a manual load to the furnace.
Within active loads, you will have the ability to add Notes, access Work Order Details, and mark times for “At Heat” and “Load End.”

In addition, Recipe information will be displayed. Depending on the recipe and its current status, you will be able to control the steps in the recipe using the “Hold,” “Cont,” “Stop,” “Adv,” and “Ack” buttons. For more detailed information on recipes, see your controller manual.

Clicking on a furnace which is in aGap state (assigned and defined in the Gap Editor) will bring up a screen like this:

From this screen, you can add notes to explain any changes in status.

Click “Add New Gap” to begin a new gap if desired. Use the dropdown menu to assign a Gap type from those created in the Gap Editor.

Click “Save” to close the current gap without assigning a new one.
Click “Save + Start” to close the gap and begin a new load for the furnace [See “Load Creation” below.]

Right-clicking on furnaces brings up additional functionality:

Right-click on a furnace in a Gap state to bring up the following options:

- Add Historical Load
- View Current Gaps
- View Trend

Click “Add Historical Load” to open the NEW LOAD window. See “Load Creation” below for an explanation of this window’s features.

Click “View Current Gaps” to view the gaps that are currently in effect for the furnace.

Clicking “View Trend” will bring up trend information from SDCrecorder/SDRecorder Pro. See the associated manual for additional information on this functionality.

Right-clicking on an active furnace will also provide the option to “Force Load Out.” Doing so will return the furnace to a Gap state.

Clicking the button in the top right corner of each furnace is identical to clicking “View Trend.” This will bring up trend information from SDRecorder Pro. See the SDRecorder Pro manual for additional information on this functionality.

**Load Creation**

The Load Creation Editor can be accessed in several ways:

- By clicking on a furnace in a gap state, then clicking “Save + Start.”
- By right-clicking on a furnace, then clicking “Add Historical Load.”
- By clicking on a furnace (if Gap options are turned off).
Use the “Operation” dropdown menu to select from the available Operations for this furnace.

Under “Work Orders” are the following buttons:

- Clicking + will bring up the Work Order Editor [see details on pg. 26].
- Clicking ⌛️ will bring up the Pick List. This allows you to search for previous work orders.
- Clicking 🔍 will allow you to add an existing work order, either by scanning a barcode from a traveler, or by entering the information manually. If entering manually, use the dropdown menu to select the desired Work Order, then click “Add” to add it to the list to be added. When finished, click “Add” at the bottom of the window to add to the Load Creation Editor.
- Clicking 📚 will allow you to select a traveler to assign to the current load. Functionality is identical to the “Existing Work Order” window [see above].
- Clicking ⌛️ will allow you to rework an existing work order selected from the Pick List.
- Clicking ✍️ will allow you to edit a selected Work Order [see details on pg. 26].

To Delete a Work Order, click it in the list to highlight, then click Delete 🚧.

Under the “Recipe” bar, use the dropdown menu to select from the recipes currently associated with this Load. You can also choose to run the load manually using the corresponding checkbox.

Notes can be added to the load as well.

Click “Start Load” to begin the load, and “Cancel” to exit without saving.
Active Screen

The Active Screen displays all active Work Orders along with their associated Furnace, Current Operation, Next Operation, and Estimated Completion. A color box is also displayed to indicate if the Work Order is Ready, In Sequence, or In Process.

To create a new Work Order in the Work Order Editor, click Add . [See Work Order Editor on p.26 for explanation of this feature.]

To Edit a Work Order in the Work Order Editor, click it in the list to highlight, then click Edit . [See Work Order Editor on p.26 for explanation of this feature.]

To Delete a Work Order, click it in the list to highlight, then click Delete .

To Refresh the display, click Refresh .

The various display columns are clickable to sort the list by that column.
Work Order Editor

The Work Order Editor allows you to create and edit new work orders and assign the appropriate details, operations, and parts.

To assign Operations to a work order, click Add and select the desired Operation from the dropdown menu. Once selected, available options (Furnace, Recipe, etc.) will auto-populate. Click “Save” to add the Operation to the work order.

You can also assign entire Sequences directly, using the Sequence Template button.

To edit an existing Step, click on that row and click the Edit button (or, double click on the Step in the list).

To delete a Step, click on that row and click the Delete button.
To assign Parts to a work order, click Add and select the desired Part from the dropdown menu. Once selected, available options will auto-populate. Click “Save” to add the Part to the work order.

You can also access the Parts Database from this screen by using the Manage Parts button.

**History Screen**

The History Screen displays all completed loads, searchable by various timeframes and other parameters.

Use the From/To Boxes and the filter input box to select a time range and/or text to search for in the completed loads database.

Use the Furnace dropdown menu to select which furnaces are currently visible.

Use the “Run Report” button to generate reports based on desired parameters.

Use the report drop down menu to select a report on Furnace Utilization, Gap Time, Load Tracking, or Work Order Tracking, then click “Run Report” to set parameters for the report.
NOTE: Depending on the type of report being run, the above screen may look different.

Click "OK" to generate the report.

To delete a Load, highlight the load and then click "Delete Load."

The lower half of the History screen displays Work Orders associated with the highlighted load.

Clicking "View Trend" will bring up trend information from SDRecorder Pro. See the manual for SDRecorder Pro for additional information on this functionality.

Clicking "Load Report" will generate a Load Report based on desired parameters and information.

Clicking "Approval" allows you to add notes and attachments, then approve or reject the information.

Clicking "Export" allows you to export information in various file formats to the desired location.
**Load Tracking Editor**

Double click on a highlighted load to open the Load Tracking Editor for that load.

The Load Tracking Editor will display a unique load identifier, along with details about the completed load; including Furnace, Operation, Recipe, User, Time In/Out, Time at Heat, and any attachments. Any Work Orders associated with the load will be displayed as well, along with the recipe used during the load. Notes can be added if desired.

Clicking "Edit" will make the information editable. Make any necessary changes, then click "Save" to save those changes.

Clicking "View Trend" will bring up trend information from SDRecorder Pro. See the manual for SDRecorder Pro for additional information on this functionality.

Clicking "Load Report" will generate a Load Report based on desired parameters and information.

Clicking "Approval" allows you to add notes and attachments, then approve or reject the information in the Load Tracking Editor.

Clicking "Close" returns you to the History screen.
## Revision History

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Description</th>
<th>Date</th>
<th>MCO #</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Initial Release</td>
<td>2/28/2019</td>
<td>2259</td>
</tr>
</tbody>
</table>