

BASELINE  
2/10/16

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# SOFTWARE REQUIREMENTS DOCUMENT

IRT REWRITE TO MVC WITH ENHANCEMENTS

PROJECT 123

2/10/16

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**Revision History**

<b>Revision Number</b>	<b>Project Number</b>	<b>Description</b>	<b>Release Date</b>
Baseline	123	Baseline IRT Rewrite to MVC with enhancements Software Requirements Document	2/10/16

**Document Approval**

The following Software Requirements Document has been accepted and approved by the following:

<b>Name</b>	<b>Title</b>	<b>Date</b>
Amy Clark	Project Manager	2/10/16
Mary Trobaugh	Technical Writer	2/10/16

## 1. Introduction

### 1.1 Purpose

This project will rewrite IRT into MVC and include enhancements.

### 1.1 Scope

- Provide users with the ability to identify, categorize, and review safety, environment, and equipment damage events.
- Guide users through the process of definition of corrective actions and manages the implementation of selected corrective actions.

### 1.2 Definitions, Acronyms, and Abbreviations

- IRT: Incident Reporting Tool
- SWA: Stop Work Authority

### 1.3 Reference

See Project #123 in the CMS for additional reference documents and associated tickets. Amy Clark is the project manager

## 2. Overall Product Description

### 2.1 Product Perspective

This is a rewrite of IRT into MVC with enhancements.

### 2.1 Product Functions

- Ability to categorize an unplanned event i.e.: Near miss, injury, fire, property damage
- Corrective Actions can be assigned out to users
- Numerous attachments can be uploaded (some may be deemed Private/Sensitive which then require a permission level to be viewed)
- Notifications sent to different criteria established in Admin
- Numerous reports built to track and trend data

### 2.2 Roles and Permissions

Role	Permissions
Basic Users	Read, write, add attachments, create edit their own IRTs until they reaches coordinator status
Supervisor	Company level, assign actions, edit their employees IRTs, populate names in drop-downs
Investigators	Designated by a supervisor or coordinator, append, build team, and actions
Coordinators	Full and complete access except for delete

### 2.3 Design Constraints

- Current IRT system relies on the Contractor module table. It also has a Recordable Calculator report feature that interfaces with the man-hours from original old POB system
- The new IRT pull in the company grouping as the ALM & Observe Card (OC)

## 2.4 Assumptions and Dependencies

Existing data will remain in place.

**Note:** If any of these factors change then the SRD must change accordingly.

## 3. Interface Requirements

### 3.1 Software Integration Points

- Contractor data (old)
- Employee data (old)
- POB data (old)
- Dashboard
- Top-level action items
- Removing integrations with transportation module

### 3.1 Hardware Interfaces

Intended for use on hardware with a 1280 X 1024-screen pixel resolution

### 3.2 Software Interfaces: Supported Browsers

Tested to the following browsers:

- Internet Explorer 10 or greater
- Current version of Google Chrome
- Current version of Firefox

### 3.3 Communications Interfaces

- Internal and external e-mail
- Color coding for flagging

## 4. System Features.

### 4.1 Attachment Page Features

#### 4.1.1 Description

Allows attachments to become searchable and have visual indicators.

#### 4.1.2 Functional Requirements

REQ-1. Add a top banner with visual indicators to show which file type is already an attachment.

REQ-2. **Attachment Type** drop-down must include:

- Photo
- Witness Statement
- Training Records
- Work Procedure
- JSA

REQ-3. Create an **Added By** column.

REQ-4. Keep existing **Private** and **Sensitive** business rule checkboxes.

## 4.2 Additional reports

### 4.2.1 Description

Add new tracking methods, create new charts, and report types.

### 4.2.2 Functional Requirements

REQ-1. Add a new **Open** column to track the number of days an action item is open to report #6.

REQ-2. Add a new **Closed** column to track the number of days an action item took to close to report #6.

REQ-3. Create a pie chart report called **Classification Type Report**.

## 4.3 Home Screen Features

### 4.3.1 Description: Ticket # 7789 and #7787

Add clarification to the home screen.

### 4.3.2 Functional Requirements

REQ-1. Remove the **Supervisor** column.

REQ-2. In place of the Supervisor column, add an **Incident Classification** column.

## 4.4 Company Level Grouping Structure

### 4.4.1 Description

Implement company level grouping structure

### 4.4.2 Functional Requirements

REQ-1. Make **Region**, **Field**, and **Location** a requirement.

REQ-2. Remove Facility Grouping from the IRT module and replace with the company level grouping structure.

## Appendix A: TBD List

None