

Welcome to NC4 Training

Module: Data Dictionary



Table of Contents

TABLE OF CONTENTS TABLE OF FIGURES		2
		3
1	MODULE: DATA DICTIONARY	4
2	DATA DICTIONARY KEYWORDS	5
	2.1 What is a "Keyword?"	5
	2.2 VIEWING DATA DICTIONARY KEYWORDS	5
	2.2.1 Sorting Keywords	6
	2.2.2 Viewing Keywords	7
	2.3 UPDATING DATA DICTIONARY KEYWORDS BY NAME	
	2.4 UPDATING DATA DICTIONARY KEYWORDS BY REPORT	11
	2.5 UPDATING CRITICAL ASSET CATEGORY AND TYPE	
	2.5.1 Updating the AssetCategory Keyword	14
	2.5.2 Updating the CriticalAssetType Keyword	
3	COLOR CODES	20
	3.1 Editing Color Codes	21



Table of Figures

FIGURE 1 SELECTING KEYWORD	5
FIGURE 2 KEYWORD SUMMARY SCREEN BY NAME	
FIGURE 3 KEYWORD VIEW BY DROP DOWN MENU	
FIGURE 4 KEYWORD COLUMNS	7
FIGURE 5 KEYWORDS DETAIL VIEW	7
FIGURE 6 KEYWORDS BY NAME LIST VIEW	9
FIGURE 7 KEYWORDS FORM DETAIL VIEW	10
FIGURE 8 KEYWORDS FORM IN EDIT MODE	
FIGURE 9 KEYWORDS BY REPORT LIST VIEW	
FIGURE 10 REPORT KEYWORD	
FIGURE 11 KEYWORDS BY REPORT DETAIL VIEW	
FIGURE 12 KEYWORDS BY REPORT IN EDIT MODE	
FIGURE 13 VIEWING THE ASSET CATEGORY KEYWORD	
FIGURE 14 ASSETCATEGORY KEYWORD FORM IN EDIT MODE	15
FIGURE 15 ADDING A NEW ASSETCATEGORY KEYWORD	
FIGURE 16 VIEWING THE CRITICALASSETTYPE KEYWORD	17
FIGURE 17 CRITICALASSETTYPE KEYWORD FORM IN EDIT MODE	
FIGURE 18 ADDING A NEW CRITICALASSETTYPE KEYWORD	
FIGURE 19 EXAMPLE OF SYSTEM COLOR CODES	
FIGURE 20 COLOR CODES LIST VIEW	
FIGURE 21 COLOR CODED FORM DETAIL VIEW	22
FIGURE 22 COLOR CODE FORM DETAIL IN EDIT MODE	23



1 Module: Data Dictionary

The NC4 Application is deployed with a central database called the Data Dictionary. Within the Data Dictionary are configurable keywords, user definable values, and access control groups that are used to generate and display content for drop-down menus. This includes and is not limited to control the display of forms, common system features, views, map icons and default email notification messages.

The elements within Data Dictionary are:

- Keywords
- Color Codes
- Position Template
- Default Menu

Learning Objectives

After completing this module, learners will be able to:

- View and update system Keywords.
- View and update system Color Codes.

This module addresses Keywords and Color Codes. The Position Template is discussed in the Module: Report Views: Default Menu is covered with Application Administration.

The configuration of the NC4 Application is critical to tailoring the application to the operational needs of the organization. The Data Dictionary report forms contribution to the configuration process is composed of the following:

- Populating the **drop-down menus (picklists)** with information that is in accordance with your jurisdiction's SOP's. The list of configurable items appear in:
 - Data Dictionary>Keywords
- Selecting the color codes and providing the associative descriptions based on your SOP's is performed in:
 - o Data Dictionary>Color Codes



2 Data Dictionary Keywords

The Data Dictionary is a central database used to store all the data that is used to populate the fields in the system. Within the Data Dictionary are configurable Keywords that are used to generate lists of valid entries that display in drop-down menus referred to sometimes as "picklists". This includes the report form fields and their associated values. The Data Dictionary is preloaded with generic values during the software development process and is implemented along with the application. Users can have access rights to view and/or update selected **Keyword** list values.

2.1 What is a "Keyword?"

Keywords are primarily the non color-coded items appearing in the drop-down menus used in the system. While working with the system, the user can either key their entry into the field or they can select the entry from a menu list of values. Keywords may also affect whether a form or function is accessible in the system. Specific definitions for each Keyword are found on the Keyword screen.

2.2 Viewing Data Dictionary Keywords

This section of the module provides an overview of the **Data Dictionary Keyword** report and the **Keywords** form. You will become familiar with the layout of the form and understand the type of information that it contains.

Keywords are presented to you in alphabetical order when you select **Keyword** from the Report navigation drop-down menu, as shown in Figure 1.

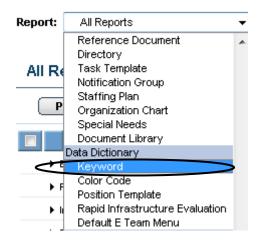


Figure 1 Selecting Keyword

The Data Dictionary **Keywords** summary screen shows all Keywords alphabetically as shown in Figure 2.



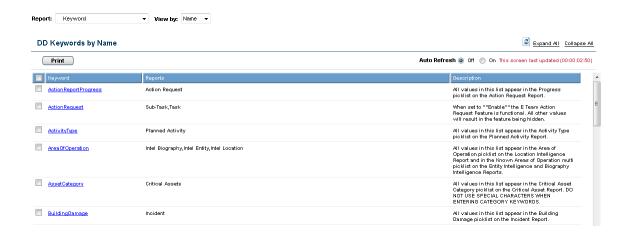


Figure 2 Keyword Summary Screen by Name

2.2.1 Sorting Keywords

The Keyword summary screen can be sorted by selecting sort order in the **View by** drop down menu as shown in Figure 3.



Figure 3 Keyword View by Drop Down Menu



2.2.2 Viewing Keywords

The **DD Keywords by Name** list, as shown in Figure 4, displays the Keyword with a <u>Name</u> link, **Reports** the keyword is associated with, and a **Description** or definition of the keyword.



Figure 4 Keyword Columns

To *view* an existing keyword in the main status screen, click the **Keyword** Name link to open the **Data Dictionary Keywords** form, as shown in Figure 5.

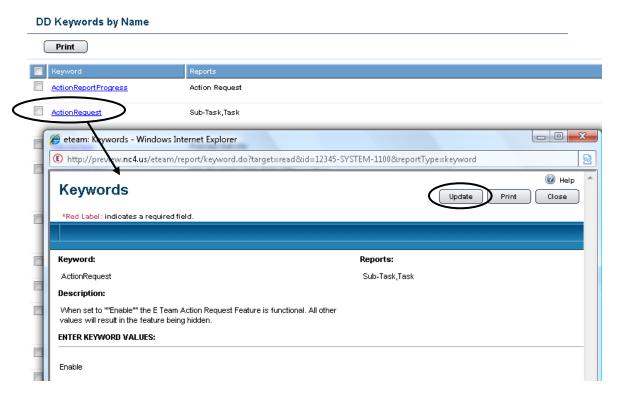


Figure 5 Keywords detail view



You will see the Update Print Close buttons in the upper right corner of the Keyword form in View mode depending on your system access level and the discretion of the System Administrator. Use the **Update** button to edit or add to the keyword report, the **Print** button to print a copy of the keyword report, and the **Close** button to close the keyword report window.



2.3 Updating Data Dictionary Keywords by Name

In this section of the module, you will follow a step-by-step process of updating a Data **Dictionary Keyword by Name**. You will become familiar with the details of the Keyword form and gain practical experience with the type of information that it can contain.

The Data Dictionary Keywords are preloaded during implementation and deployment of the system. Users can have access rights to *view* and/or *update* Keywords.

To access the **Keywords** form that enables you to update the allowable values for the Keyword, perform the following steps:

- 1. Click **Keyword** from the **Report** navigation drop-down menu as shown in Figure 1.
- 2. The **Keywords by Name** report displays, as shown in Figure 6.

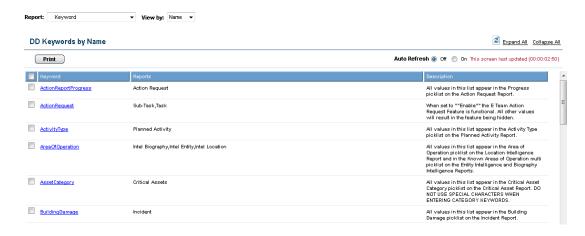


Figure 6 Keywords by Name list view

3. Click a **Keyword** Name link in the center view frame to open the Keyword form in *View* mode, as shown in Figure 7. The Keywords form contains the information associated with the **Keyword Name** selected.



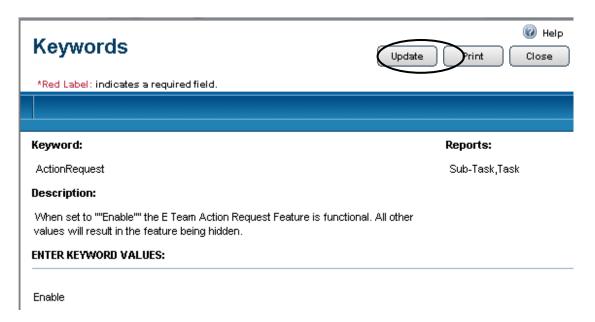


Figure 7 Keywords Form detail view

4. Click the **Update** button to *edit* the Keyword. The Keyword form opens in *edit* mode, as shown in Figure 8. Edit the **Keyword** value.

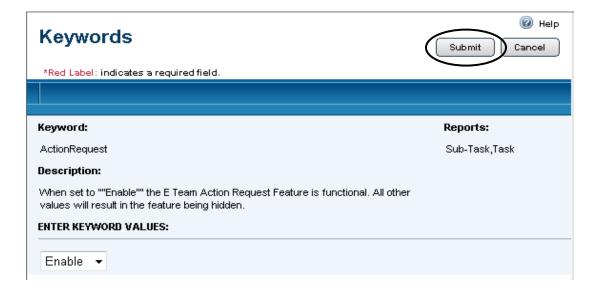


Figure 8 Keywords Form in edit mode

5. Click the **Submit** button to save the new values. You will be returned to the list of Keywords. When you open a report that uses the keyword you will be able to use the new values.



2.4 Updating Data Dictionary Keywords by Report

To access the Keywords form that enables you to update the allowable values for the Keyword, perform the following steps:

- 1. Click **Keyword** from the Report navigation drop-down menu.
- 2. Click **Report** in the **View by** drop-down menu.
- 3. The **DD Keywords by Report** displays as shown in Figure 9.

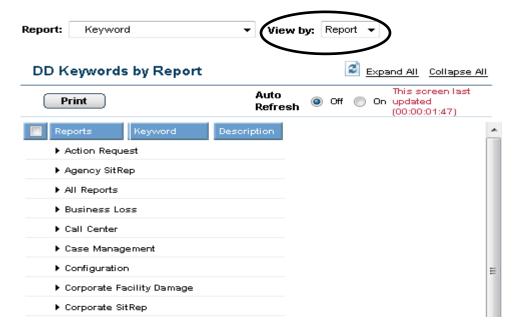


Figure 9 Keywords by Report list view

4. Click the "" triangle icon in the center view frame until the **Keyword** Name link is displayed as shown in Figure 10.

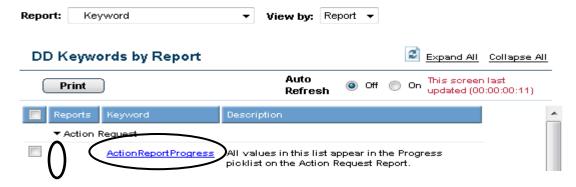


Figure 10 Report Keyword



6. Click the **Keyword** Name link and the Keyword form displays. The Keyword form contains the information associated with the Keyword selected from the report as shown in Figure 11.

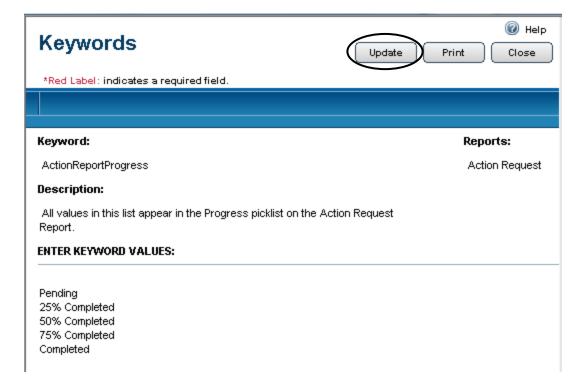


Figure 11 Keywords by Report detail view

- 7. Click the **Update** button to *edit* the Keyword.
- 8. Read the Reports to which the Keyword applies as shown in Figure 12.



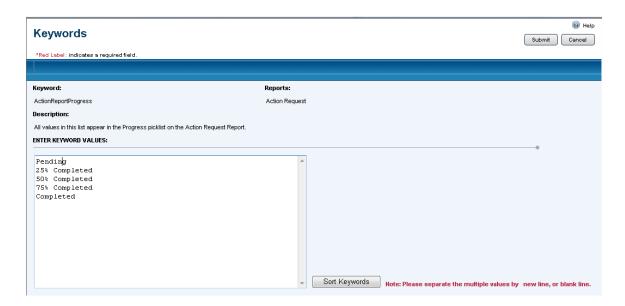


Figure 12 Keywords by Report in edit mode

- 9. Modify the Keyword values as necessary.
- 10. Sort the Keyword if necessary.
- 11. Click the **Submit** button to save your changes in the system. You will be returned to the list of Keywords. When you open a report that uses the keyword you will be able to use the new values.



2.5 Updating Critical Asset Category and Type

This section of the module provides an overview of updating the **Asset Category** using the **AssetCategory** Keyword and the **Asset Type** using the **CriticalAssetType** Keyword.

2.5.1 Updating the AssetCategory Keyword

1. To view the **AssetCategory** Keyword, click the Keyword <u>Name</u> link to open the **Data Dictionary Keywords** form, as shown in Figure 13.

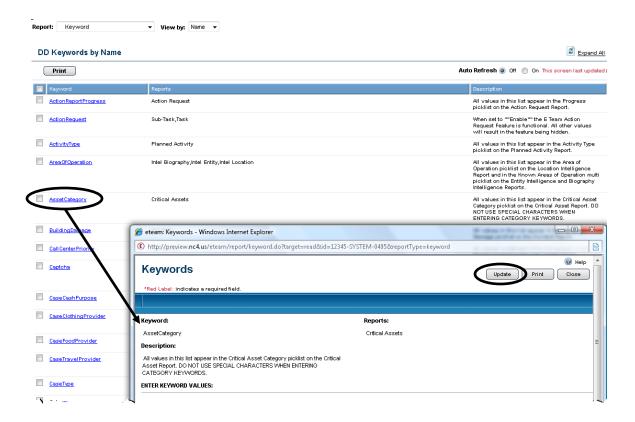


Figure 13 Viewing the Asset Category Keyword

2. Click the **Update** button to *edit* the AssetCategory Keyword. The Keyword form opens in *edit* mode, as shown in Figure 14.



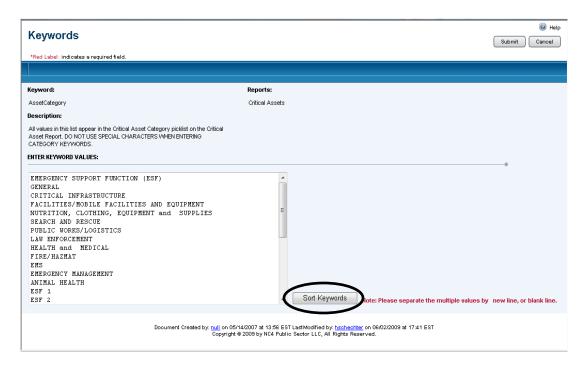


Figure 14 AssetCategory Keyword Form in edit mode

- 3. Add new **AssetCategory** keyword values by keying in an entry. Each entry must be separated by a new line or a blank line as shown in Figure 15.
- 4. Click the **Sort Keywords** button to order the Keyword Values alphabetically. The sorting process adds a space at the top of the values listing to allow for new values.



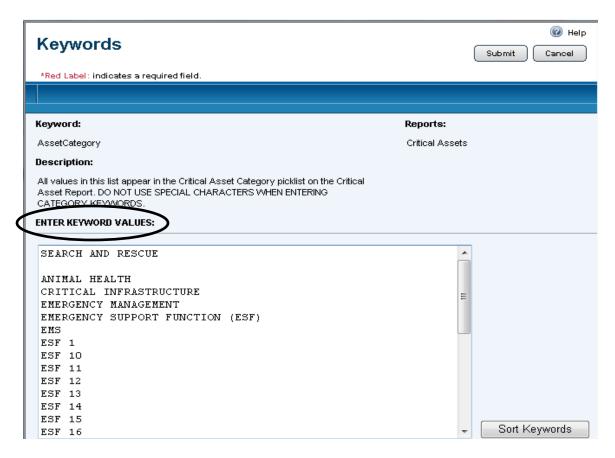


Figure 15 Adding a new AssetCategory Keyword

5. Click the **Submit** button to save your changes in the system. When you open a report that uses the modified **Asset Category** field, you will be able to use the new values.



2.5.2 Updating the CriticalAssetType Keyword

1. To view the **CriticalAssetType** Keyword, click the Keyword <u>Name</u> link to open the Data Dictionary Keywords form, as shown in Figure 16.

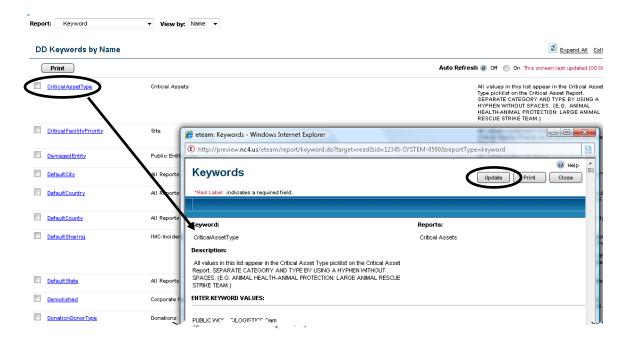


Figure 16 Viewing the CriticalAssetType Keyword

2. Click the **Update** button to *edit* the **CriticalAssetType** Keyword. The Keyword form opens in *edit* mode, as shown in Figure 17.



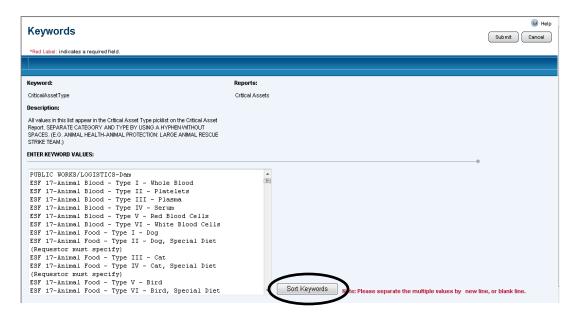


Figure 17 CriticalAssetType Keyword Form in edit mode

- 3. All new entries must follow a specific format, the AssetCategory and CriticalAssetType separated by a hyphen. e.g. CRITICAL INFRASTRUCTURE-Type I Agriculture. No spaces may be located on either side of the hyphen. Each entry must be separated by a new line or a blank line as shown in Figure 18.
- 4. Click the Sort Keywords button to order the Keyword Values, which lists the Asset Category followed by the Critical Asset Type, alphabetically. The sorting process adds a space at the top of the values listing to allow for new values.



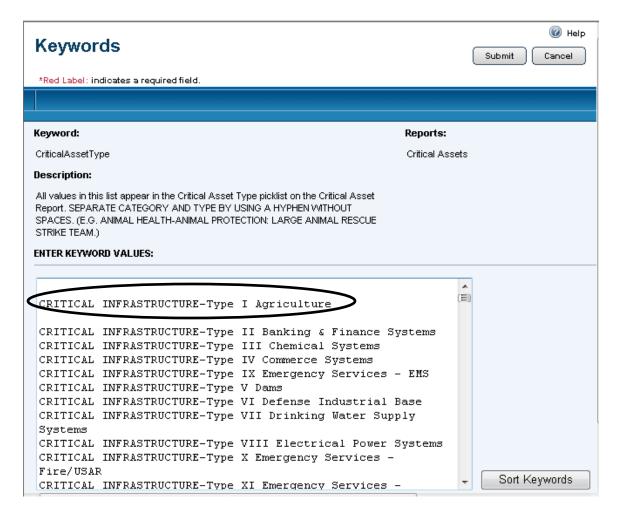


Figure 18 Adding a new CriticalAssetType Keyword

5. Click the **Submit** button to save your changes in the system. When you open a report that uses the modified **Asset Type** field, you will be able to use the new values.



3 Color Codes

The Color Codes that the system uses to visually identify fields such as **Prognosis** and **Status** shown in Figure 19, are locally defined and maintained in the Data Dictionary. **Color-Coded** keywords allow you to customize the status of fields throughout the system.

Incident by Status Auto Create Delete Print Off On Refresh Status 🛊 Prognosis 👄 Incident Name Major Assistance Required 🕓 Assistance Required I-4 Central Florida Pkwy Transport **®** Worsening Salmon River Falls Flood- Flash Worsening Water main break 1st Savings and Loan Robbery Arrest Team #6 Shooting/Possible Hostage Stable

Figure 19 Example of system Color Codes

There are nine different colors provided to customize the system. Colors are treated by the system views as descending in seriousness from BLACK, which means worst, through GREEN, which means best and GRAY, which means explicitly reported as unknown.

You may decide whether or not a color is used by activating the **Enable/Disable** switch, and what its text description should be. You can choose the color progression, except for BLUE, that cannot be changed. The order of the colors cannot be changed. These colors are used to display icons on map views as well.



3.1 Editing Color Codes

To access the **Color Codes** form that enables you to update the allowable values for Color Codes, perform the following steps:

- 1. Click **Color Code** from the **Report** navigation drop-down menu.
- 2. The **Colored Status by Name** report displays as shown in Figure 20.

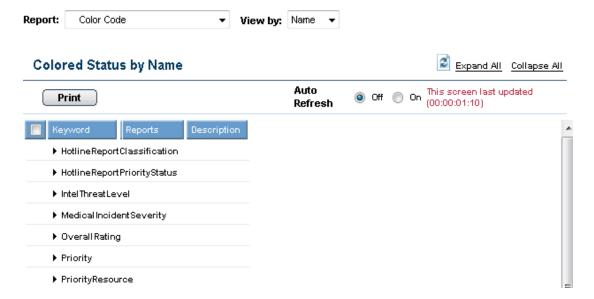


Figure 20 Color Codes list view

Color Codes can be sorted by **Name** or by **Report** by selecting the appropriate sort order from the navigation sub menu. **Color Codes by Name** is the default view in the center view frame.

- 3. In the Keyword column, scroll down the list to select the **Color Code** to be updated.
- 4. Click the "" triangle icon in the center view frame until the **Keyword** Name link is displayed.
- 5. Click the **Keyword** Name link to open the Color Coded pick list form in *view* mode, as shown in Figure 21.



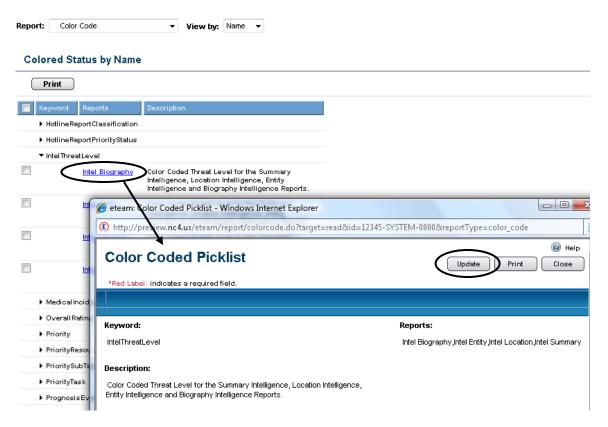


Figure 21 Color Coded Form detail view

- 6. Click the **Update** button to *edit* the Color Code values.
- 7. The Color Code form displays in *edit* mode as shown in Figure 22.



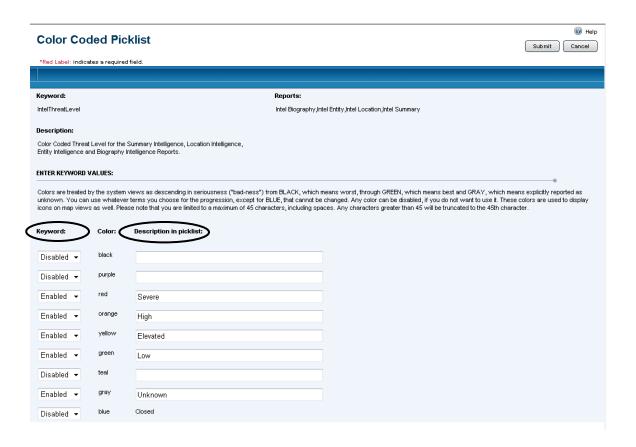


Figure 22 Color Code Form detail in edit mode

- 8. For each color, select Enabled or Disabled from the Keyword drop-down menu.
- 9. Key in a description of an enabled color code into the **Description** field as shown in Figure 22.
- 10. Click the **Submit** button to save the updated Color Code(s). The new Color Code values are immediately accessible in the system.
- $\hfill \hfill \hfill$ Remember that changes you make to Color Codes will affect the entire system.

