

Agile Product Lifecycle Management for Process

Computer Aided Compliance Screening User Guide

Release 5.2.1

Part No. E13899-01

September 2008

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September 2008

DOCUMENT CONTROL

Change Record

Date	Author	Revision	Change Reference
Sept-07	Agile/Oracle	1.0	Initial release, Part No. TPPR-0031-5.1A
Feb-08	Oracle	2.0	Second release, Part No. E11007-01
Sept-08	Oracle	3.0	Third release, Part No. E13899-01

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ABOUT THIS MANUAL

Agile Product Lifecycle Management for Process Documentation

The Agile Product Lifecycle Management (PLM) for Process documentation set includes user guides, an administrator's guide, and release notes, all in Adobe® Acrobat™ PDF format. The Oracle Documentation Web site contains the latest versions of the Agile PLM for Process PDF files. You can view or download these manuals from the Web site, or you can ask your administrator if there is an Agile PLM for Process Documentation folder available on your network from which you can access the documentation (PDF) files. Visit the Oracle documentation Web site at:

<http://www.oracle.com/technology/documentation/index.html>

Note The minimum software requirement for reading the PDF files is Adobe Reader™ version 6.0. You can download this free program from www.adobe.com.

If you need additional assistance or information, please contact support@agile.com or phone (408) 284-3900 for assistance.

Before calling Agile Support about a problem with an Agile PLM for Process manual, please have ready the full part number, which is located on the cover.

Audience

This user guide is intended for end users who are responsible for creating and managing information in Agile Product Lifecycle Management for Process. Information about administering the system resides in the *Agile Product Lifecycle Management for Process Administrator User Guide*.

Variability of Installations

Descriptions and illustrations of the Agile PLM for Process user interface included in this manual may not match your installation. The user interface of Agile PLM for Process applications and the features included can vary greatly depending on such variables as:

- ❑ Which applications your organization has purchased and installed
- ❑ Configuration settings that may turn features off or on
- ❑ Customization specific to your organization
- ❑ Security settings as they apply to the system and your user account

Where to Find Information

Consult the table below to find specific information from the relevant Agile PLM for Process information source.

Table 1: Agile PLM for Process documentation topics, by source

Information type	CACS User Guide	Admin. User Guide	Readme file	Agile training	Agile Help Desk	Agile sales rep
Administering Agile PLM for Process		●		●		
Cache management		●				
Compliance	●					
Compliance screening	●					
Core data management		●				
Custom data management		●				
Custom sections		●		●		
Extended attributes	●	●		●		
Feature requests					●	●
Group management		●				
Installing Agile PLM for Process				●		●
Known issues			●			
Last-minute changes			●			
Managing specifications				●		
New in this release			●	●		●
Printing				●		
Resolved issues			●			
System-based roles		●				
System requirements			●			
Technical support					●	
Using the CACS application	●			●		

Readme

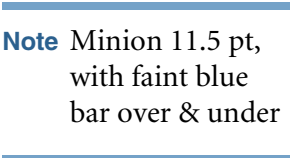
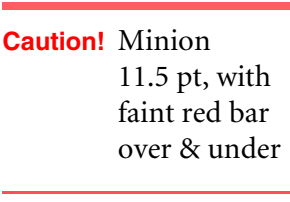
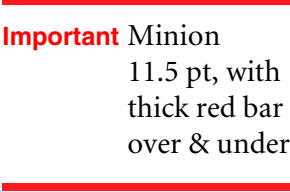
Any last-minute information about Agile PLM for Process can be found in the Readme file on the Oracle documentation Web site (<http://www.oracle.com/technology/documentation/index.html>).

Agile Training

Agile offers end user, administrator, developer, and implementation training courses. For more information, contact your Agile project manager or sales representative.

Document Conventions

The following formatting elements appear in Agile PLM for Process documentation.

Element	Meaning
Helvetica Condensed, 9 pt. bold type	A user interface (UI) element that a procedure is instructing you to click, select, or type into. For example, buttons or text entry fields.
9 pt. monospace font	Code samples
10 pt. monospace font	File names or directory names
<i>Blue italic font</i>	The linked portion of a cross-reference. Click it to go to the referenced heading, table, or figure.
Minion Typeface, Title Case	A named UI element that a procedure is describing but not instructing you to click, select, or type into.
 Note Minion 11.5 pt, with faint blue bar over & under	Alerts you to supplemental information.
 Caution! Minion 11.5 pt, with faint red bar over & under	Alerts you to possible data loss, breaches of security, or other more serious problems.
 Important Minion 11.5 pt, with thick red bar over & under	Alerts you to supplementary information that is essential to the completion of a task.

CHAPTER 1

Introduction

This chapter presents an overview of the Computer Aided Compliance Screening application and describes a few basic features. Topics in this chapter include:

- ❑ *Overview*
 - ❑ *Touch Points with Other Applications*
 - ❑ *Getting Started with Computer Aided Compliance Screening*
-

Overview

Computer Aided Compliance Screening (CACS) is a configurable solution in which you can inspect materials for fitness against any number of user-defined screens. These screens can include regulatory, market-driven, or customer-driven constraints and can be nested to enable more complex screening scenarios. You design constraints around compliance standards, usage approval, nutritional attributes, and user defined data that can be captured using extended attributes.

CACS screens can be applied on up to three levels: raw materials, intermediate materials, and top level materials. The screens are available during the product development lifecycle. This availability can help you to achieve early detection of compliance issues and potentially save on development, rework, recalls, and withdrawal costs.

When running a compliance screen, you obtain feedback on compliance issues in the User Interface (UI) through a red/green color code. You can then examine the results to search for the root causes of compliance deviations.

Touch Points with Other Applications

CACS is integrated with several types of specifications in Global Specification Management (GSM) and with Design Workbench (DWB) specifications.

Global Specification Management

You can run compliance screens against the following specification types in Global Specification Management (GSM):

- ❑ Trade specifications
- ❑ Process specifications
- ❑ Menu Item specifications

- ❑ Product specifications
- ❑ Ingredient specifications

Design Workbench

You can run compliance screens against Design Workbench (DWB) specifications.

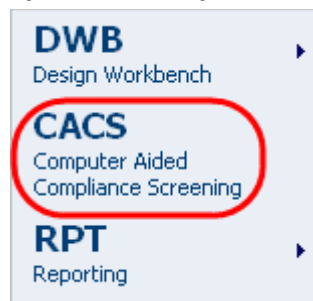
Refer to [Running Screens Against Specifications](#) on page 2-6, or for more information, see the *Agile Product Lifecycle Management for Process Global Specification Management User Guide* or the *Agile Product Lifecycle Management for Process Design Workbench User Guide*.

Getting Started with Computer Aided Compliance Screening

Accessing CACS

To access the CACS application, select **CACS** from the left navigation panel, shown in figure 1-1 below, or select **CACS** from the Applications top menu bar.

Figure 1-1: Selecting CACS from left navigation panel



For general information on using Agile PLM for Process software, see the *Agile Product Lifecycle Management for Process Getting Started Guide*.

Using Computer Aided Compliance Screening

This chapter describes the capabilities and applied uses of the Computer Aided Compliance Screening product. It includes the following topics:

- ❑ *Creating a New Compliance Screen*
- ❑ *Running Screens Against Specifications*

Creating a New Compliance Screen

Use the Computer Aided Compliance Screening (CACS) application to create and manage compliance screens. To create a new screen, click **Create New** on the search page.

Figure 2-1: Computer Aided Compliance Screening Search page

The screenshot shows the 'Computer Aided Compliance Screening Search' interface. At the top right is a 'Create New' button. The main heading is 'Computer Aided Compliance Screening Search'. Below this is a 'Search Criteria' section containing three dropdown menus (the first shows '--'), a 'more criteria...' link, and buttons for 'Search', 'Reset', 'Save Search', and 'Load Search'. At the bottom is a 'Search Results' section with a 'Results Per Page' dropdown set to '10'.

Screens contain three tabs: Summary, CACS Constraints, and Related Screens, shown in figure 2-2 on the next page.

Summary Tab

The Summary tab of a CACS screen provides additional information that helps uniquely identify the screen when you are searching using the search form. The tab also identifies where the screen is available to be used for compliance checking in other applications.

Figure 2-2: Summary tab

The screenshot shows a web application window titled "Computer Aided Compliance Screening". At the top right are three buttons: "Save", "Save & Close", and "Cancel". Below the title bar are three tabs: "Summary" (which is selected and highlighted), "CACs Constraints", and "Related Screens". Under the "Summary" tab, there is a section titled "Summary Information". This section contains three input fields: "Title:" with an empty text box, "Screen #:" with the value "5000536", and "Description:" with a large text area. Below these fields is a label "Available In:" followed by a blank space. The interface has a clean, professional look with a light blue header and tab bar.

Summary Information Section

The Summary Information section consists of the following fields:

- **Title**—The user-defined title of the screen
- **Screen #**—A system-defined number associated with this screen
- **Description**—The user-defined description of the screen
- **Available In**—The specifications that are able to use the screen

When you create a new screen, **Title** is the only field required to save the screen.

Note If the Available In data is not provided, the screen being created will not be available to run against specifications in GSM or DWB.

Once you have completed the Summary tab, click the **CACS Constraints** tab.

CACS Constraints Tab

Use the CACS Constraints tab to provide the parameters, or rules, that a specification must comply with in order to pass the screening process.

Build constraints around the following parameters:

- Presence and/or concentration of allergens, additives, and sensitivities (intolerances)
- Country of origin
- General compliance (i.e. kosher, non-GM, organic, vegan, etc.)
- Nutrient levels
- Known usage restrictions (i.e. business unit, country, etc.)
- Custom attributes (using extended attributes)

Figure 2-3 below shows the CACS Constraints tab.

Figure 2-3: CACS Constraints tab

Computer Aided Compliance Screening

Summary
CACS Constraints
Related Screens

Compliance Constraints

CACS Attribute	Value	Constraint

Usage Approval Constraints

CACS Attribute	Business Unit	Country	Concept(s)	Constraint

Nutrient Constraints

Nutrient	Constraint

Extended Attribute Constraints

Extended Attribute Type	Extended Attribute

Lower Level Screens

Number	Title

To add a new constraint, identify which type of constraint needs to be added and then click **Add New** under the desired section. Each constraint category has a unique configuration.





Compliance Constraints Section


For each compliance constraint, do the following:

- 1 Select a compliance attribute from the CACS Attributes drop-down list.
- 2 Click the add data icon (+) to add the value for the attribute in the **Value** field.
- 3 Set the constraint on the value in the **Constraint** fields.

These actions are reflected below in figure 2-4.

Figure 2-4: Compliance Constraints section

Compliance Constraints			
	CACS Attribute	Value	Constraint
	Complies With 		  0.00000 %

Once you have completed the setup for the constraint, click the apply changes icon () to save the new constraint. For example, you might want to make sure there is no peanut or peanut oil in your specification. To set up a constraint verifying this, create a screen and add the following constraint:







- CACS Attribute—KTC Allergen (Known to Contain Allergen)
- Value—Peanut / Peanut Oil
- Constraint = 0


When a specification is investigated with this screen, if there is any value defined on the specification for Peanut / Peanut Oil other than 0, this constraint would fail.

Usage Approval Constraints Section

As figure 2-5 shows below, for usage approval constraints, you will add a compliance attribute, define some combination of business unit, country, and concept and finally, set the constraint on the value.

Figure 2-5: Usage Approval Constraints section

Usage Approval Constraints						
	CACS Attribute	Business Unit	Country	Concept(s)	Constraint	
	AFUI BU 				  0.00000 %	

Once you have completed the setup for the constraint, click the apply changes icon () to save the new constraint. For example, you might want to make sure that all the specifications in a formulation are approved for use in Canada. To make sure that is the case, create a screen and add the following constraint:

- CACS Attribute—AFUI Country (Approved for Use in Country)
- Country—Canada
- Constraint = 100

When a specification is investigated with this screen, if there is any specification in the formula that is not approved for use in Canada, the constraint would fail.

Nutrient Constraints Section

For nutrient constraints, add a nutrient item and set the constraint on the nutrient, as figure 2-6 shows below.

Figure 2-6: Nutrient Constraints section

Nutrient Constraints			
	Nutrient	Constraint	
	Alcohol	= 0.00000 g	

Once you have completed the setup for the constraint, select the apply changes icon (+) to save the new constraint. For example, you might want to make sure there is at least 10g of Vitamin C in a formula. To ensure that is the case, create a screen and add the following constraint:



- Nutrient—Vitamin C
- Constraint $\geq 10\text{g}$

When a specification is investigated with this screen, if the formula has a Vitamin C content that is less than 10g/100g, the constraint will fail.

Extended Attribute Constraints Section

For extended attribute constraints, add an extended attribute type and set the value on the extended attribute, as figure 2-7 shows.

Figure 2-7: Extended Attribute Constraints section

Extended Attribute Constraints			
	Extended Attribute Type	Extended Attribute	
	Coefficient of Friction (Kinetic)	target: = <input type="text"/> min: = <input type="text"/> max: = <input type="text"/> other <input type="text"/>	




Once you have completed the setup for the constraint, click the apply changes icon (+) to save the new constraint. The constraint varies based on the type of attribute you are using, but the results are returned similarly to all other constraints.

You can add multiple constraints to any given screen.

Lower Level Screens Section

CACS screens are nested within a given screen to enable you to create complex screening scenarios in a modular way. To link a screen to the screen that you are creating, click **Add New** and use the search page to select the screens that you want to nest. Figure 2-8 on the next page shows the Lower Level Screens section and the **Add New** button.

Figure 2-8: Lower Level Screens section

Lower Level Screens			
	Number	Title	
	5000210	Additive Watchlist	
	5000278	BU Constraints	
	5000502	August Compliance Screen	
Add New			

Note When the screen is investigating a specification, it will return the results for all nested screens at the same time.

Related Screens Tab

The Related Screens tab shows parent screens based on the relationship established in the Lower Level Screens section. When a screen is added as a lower level screen, it displays the specification that it was added to as a parent screen.

Running Screens Against Specifications

In order to investigate a specification using a compliance screen, you must first select the GSM or DWB specification to investigate. Once you access the specification, click the **CACS** tab. This action opens a dialog box that you use to set up the review parameters for screening.

CACS Review Parameters

CACS review parameters define the rules of investigation for the system. You must select the scope of the investigation and the screens to use. Figure 2-9 on the next page shows the CACS Review Parameters section.

The scope is the level of the hierarchy that you want to run the screens against. The following levels are available:

- **Top Level**—Interrogates the specification that you are currently on.
- **Intermediate Processes**—Interrogates any process or menu item specifications that are used within the current process or menu item specification.
- **Raw Materials**—Interrogates the raw materials level of the hierarchy.

Figure 2-9: CACS Review Parameters section

CACS Review Parameters

Spec Name: Sweet Water, 2%(5077456-001)

Scope:

- ☐ Top Level
- ☐ Intermediate Processes
- ☐ Raw Materials

[CACS Screens:](#)

[CACS Results](#)

Note When running nutritional screens on process, trade, or menu item specifications, CACS will only screen the nutrient information on the nutrient profile attached to the top level specification. It is not possible to screen nutritional information on a process, trade, or menu item specification below the top level.

The screens are the previously defined rules that you want to use to determine whether the specifications are in line with the compliance rules. You can add screens to this list by clicking the **CACS Screens** link. The CACS search page is displayed, shown in figure 2-10 below. The first drop-down list contains the names of the screens that have been built and that are available to be used in the top level specification type. Enter search criteria, then click **Search**. The Search Results section lists screens that match the defined criteria. To include screens in the compliance check, click the screen numbers in the left column, then click **Done**.

Figure 2-10: Search page

Computer Aided Compliance Screening Search

Search Criteria

-- [more criteria...](#)

Search Results

Results Per Page

Once you have selected all the screens to be run, click **Done** to return to the screening page. The selected screens appear in a comma-delimited list.

To begin the investigation, click **Review**. The results of the screening will be displayed in the CACS Results section, as figure 2-11 shows below.

Figure 2-11: CACS Results section

CACS Review Parameters

Spec Name: Sweet Water, 2%(5077456-001)

Scope: ☐ Top Level
☒ Intermediate Processes
☒ Raw Materials

CACS Screens: Peanut Contamination

CACS Results

Screen	CACS Attribute	Value	Constraint	CACS Level	
Peanut Contamination	KTC Allergen	Peanut Contamination	= 0.00000 %	0.0000000000 %	

Review

Click here to view details.

Screen Results and Details

When CACS has finished its review, it will return the results with immediate feedback on compliance issues using a red/green color code. If a constraint has passed, it will be displayed in green. If the constraint has failed, it will be displayed in red. In order to see the details of the constraint results, click the view details icon (). When you click the icon, a dialog box will be displayed with the constraint details, as figure 2-12 shows below.

Figure 2-12: CACS Details dialog box

CACS Details			
Spec Name	CACS Attribute	CACS Value	CACS Level
Oil - Soybean (Refined, Bleached, Deodorized) (5077425-001)	KTC Allergen	Peanut Contamination	0.0010500000 %
BBQ Sauce Dry Mix (5077419-001)			
Salt - Granular - Not Iodized (5077441-001)			
Seasoning, Sliced Potato (5077458-001)			
Potato Half Slices - Skin-on - IQF (5077437-001)			

The details contain the specification being screened along with the attribute, value, and levels that were found during investigation of the constraint. This view will help you quickly determine and remedy the root cause of any compliance deviations.