ORACLE®

AGILE

PRODUCT LIFECYCLE
MANAGEMENT

AGILE PRODUCT DATA MANAGEMENT FOR PROCESS

Agile Product Data Management for Process is a Web-based application with a zero-client footprint that is accessible anytime, anywhere over a security-based Web browser. It provides prebuilt integrations with all bundles and modules within Oracle's Agile Product Lifecycle Management for Process. Features of the four modules are listed below.

GLOBAL SPECIFICATION
MANAGEMENT MODULE

Industry-specific and extensible data model

Manage structured and unstructured information

Powerful search capabilities and multi-level "where used" analysis

Change management tools

Integrated with Oracle Product Lifecycle Analytics to provide rich reporting, analytics, and dashboards

Integrated workflow engine, e-signatures, and audit history

Integrated security model

Configurable user interface

Role-based views

SUPPLY CHAIN RELATIONSHIP
MANAGEMENT MODULE

Company/facility profiles

Workflow-enabled sourcing approvals

Supplier documentation and contact management

CONTENT SYNCHRONIZATION AND
SYNDICATION MODULE

Data synchronization to internal and external systems

On-demand and scheduled syndication

Two-way messaging

Flexible syndication methods

REPORTING MODULE

Rich reporting capabilities on specifications and suppliers

Today, consumer packaged goods companies often maintain islands of product information spread across different departments and business units, with no enterprise wide visibility, harmonization, or cross-referencing of specification information and product data. This inefficient method leads to high product costs, inconsistent quality, lost revenue opportunities, and reduced customer satisfaction. Oracle's Agile Product Data Management for Process enables consumer packaged goods enterprises to enhance global information visibility and traceability, reduce product costs, and accelerate product introductions with its Global Specification Management, Supply Chain Relationship Management, Content Syndication and Synchronization, and Reporting modules.

Global Specification Management

The Global Specification Management (GSM) module of Agile Product Data Management for Process enables you to create an enterprise wide "single version of the truth" of your entire product record, including finished products, manufacturing processes, bills of materials (BOMs), ingredients, and packaging materials. It provides you with collaborative business processes to create, review, and approve all specifications included in the product record—in all languages, cultures, units of measure, and currencies—throughout the enterprise and across the supply chain. The entire product genealogy is connected, allowing you to ensure data traceability and attain an integrated view of the interrelationships among all specifications.

Extend the Data Model as Needed

The industry-specific data model embedded in Global Specification Management enables you to store data across the entire product genealogy, including finished products such as trade units and consumer units, manufacturing processes and intermediates, packaging materials, ingredients, and ingredient formulations. Not only can you nest all specifications to provide for infinite extensibility of the product genealogy, but you can also supplement the core attributes configured in Agile Product Data Management for Process with extended or user-defined attributes that can be used throughout the system just as you would core attributes (i.e. compliance screening, formula optimization).

Specify Workflows for Review and Approval

Maintaining an enterprise wide data repository requires the ability to review and approve products at the global and local levels. Global Specification Management lets you define workflows based on attributes such as business unit, geography, and product taxonomy. The workflow engine allows for flexible transitions, permissions, and conditions that form the backbone for change control management.

ORACLE®

Flexible reporting layouts

Integration with Excel

Integration with standard reporting tools like Oracle BI Publisher

ORACLE PRODUCT LIFECYCLE ANALYTICS

Agile Product Lifecycle Management for Process's Global Specification Management integrates with Oracle Product Lifecycle Analytics (OPLA) providing the ability to:

Reduce time to market

Identify bottlenecks in the specification approval process

Manage resources by exception

Monitor/Manage the item change process

Global Specification Management plus Oracle Product Lifecycle Analytics improves PLM.

AGILE PRODUCT QUALITY MANAGEMENT FOR PROCESS

Agile Product Lifecycle Management for Process's Global Specification Management and Supply Chain Relationship Management integrates with Product Quality Management providing:

Enterprise quality management tied directly to the product record.

Cross-functional teams alerts for quality events.

Management of:

CAPA

Non Conformance Reports

Audits (Internal, External, & Suppliers)

Manage Formulations and Bills of Materials

Global Specification Management lets you manage BOMs and processing instructions by dividing manufacturing processes into steps and intermediates. You can maintain specific parameters, such as processing instructions, step-level BOM, component-level yield within each step, batch-level yield, processing gain/loss, water gain/loss, total solids, and density.

Manage Packaging and Labeling Data

Global Specification Management integrates packaging and labeling data with product data, allowing you to trace the label contents—including ingredient statement and nutrition facts panel—back to the supporting product data. This results in the streamlining and acceleration of the cross-functional packaging and labeling development and approval process.

Maintain and Roll Up Compliance Data

Global Specification Management provides the ability to maintain compliance data at each level of the specification genealogy. Compliance data includes compliance standards (such as kosher, vegan, and non-genetically modified), allergens, intolerances, additives, and analytical properties (such as chemical, physical, microbiological, and sensory). With GSM, you can roll up the compliance data from raw materials through the manufacturing processes to the finished products.

Maintain and Roll Up Nutrient Data

Global Specification Management enables you to maintain nutrient data at the ingredient level by leveraging the food composition library feature, which includes nutrient data loaded from the standard reference databases that you select. GSM also allows you to roll up nutrient data from raw materials through manufacturing processes to the finished products, taking into account the specific parameters tied to the component-level yield, batch-level yield, and water gain/loss factors.

Manage Nutrition and Ingredient Labeling

Global Specification Management allows you to create a labeling profile that contains the finished product's nutrition values. Using GSM's custom data you can calculate and display rounded per serving nutrient values as well as daily value percentages. Calculations are fully extendable supporting rulesets from unlimited regulatory bodies (NLEA, CFIA, etc.). You can then print the nutrition data or provide an XML file for artists to integrate nutritional data into packaging artwork. In addition, when coupled with Formulation & Compliance, GSM allows you to engineer the most-desirable ingredient statement for the finished products, based on a flexible user-defined set of options and rules, such as renaming, grouping, aliasing, and reconstituting. It also tracks all changes through an auditing feature.

Supply Chain Relationship Management

The Supply Chain Relationship Management (SCRM) module of Agile Product Data Management for Process provides a collaborative business process for managing supply chain relationships with suppliers, distributors, and other supply chain participants. It enables you to create a single version of the truth of the entire supply network by building sourcing approvals across all supply chain entities, supporting as many supply chain tiers as needed.

With SCRM, you can connect and integrate the entire supply network, with the interrelationships among all supply chain participants readily available to the users—all the way down to the individual specification level. Supply Chain Relationship Management

ORACLE®

allows you to create and maintain all supply chain entities and sourcing approvals. In addition, the information can be transferred to other enterprise systems using standard APIs.

Manage the Approved Supplier List

Supply Chain Relationship Management lets you manage your approved supplier list (ASL). You can specify companies and facilities as far upstream in the supply network as needed and define sourcing approvals down to the specification level. This level of granularity in establishing the ASL across the entire supply network is a prerequisite for establishing traceability and accountability. With SCRM, you can store required documents at the company, facility, or specification-related sourcing approval level, thus monitoring product quality, food safety, and supplier conformance in multiple supply chain tiers.

Rationalize and Consolidate Suppliers

Supply Chain Relationship Management enables you to leverage the single version of the truth to understand how many suppliers are involved through the supply network for all raw material categories. You can then use this information to rationalize and consolidate suppliers, improve supply chain performance, and minimize overall costs.

Content Synchronization and Syndication

The Content Synchronization and Syndication (CSS) module of Agile Product Data Management for Process provides a proven framework for secure, reliable content synchronization, supporting a variety of industry-standard XML-based syndication formats and distribution methods. It allows for the syndication of data from Oracle's Agile Product Lifecycle Management for Process applications to distributed enterprise systems, trading partners, and industry exchanges—improving data integrity across the enterprise and with value chain partners, and facilitating global visibility and data harmonization.

CSS automates the task of distributing the product data that drives your business processes—either on demand or on a scheduled basis. The publication process and results are fully visible from within the related specifications, allowing for closed-loop monitoring.

Automate Data Syndication

With Content Synchronization and Syndication, the syndication of data to downstream systems is fully automated based on configurable publication paths. It uses flexible syndication methods that leverage XML Web services-based interoperability, Simple Object Access Protocol, legacy batch, electronic data interchange, Secure File Transfer Protocol, ebXML Messaging Service, and Applicability Statement 2-compliant messaging engines. Content Synchronization and Syndication supports on-demand and scheduled syndication based on predefined business rules. It also provides workflow-enabled tracking and management of publication requests.

Syndicate Data to Internal and External Systems

You can configure Content Synchronization and Syndication to support syndication to multiple systems, such as ERP, MDM, and manufacturing and quality systems. Linking preconfigured publication requests to selected workflow states can automatically syndicate specifications. CSS enables messages and responses from the target systems to be presented within the specifications, allowing you to know the status of the syndication at all times.

ORACLE®

Reporting

The Reporting module of Agile Product Data Management for Process enables you to extract product, sourcing, and supplier data from the Global Specification Management and Supply Chain Relationship Management modules. You can generate your own reports based on user-defined layouts and reporting criteria.

The Reporting module is Web based, with output formats that include XML, Microsoft Excel, and comma-separated values. It is common for a company to integrate the Reporting module, which meets traditional business users' reporting needs, with the company's enterprise reporting solution for global data warehousing and business intelligence needs.

Generate User-Defined Layouts

Reporting allows you to define any number of reporting layouts. You can select from a number of reporting criteria to display the required specification and supplier data stored in the Global Specification Management and Supply Chain Relationship Management modules.

Generate Reports

Reporting lets you generate reports asynchronously once you have defined the reporting layout and query. After the report is logged into a queue, you will receive an email as soon as the report is ready to be viewed. The email will contain a URL that will guide you directly back to the report queue, from which you can open the report. The Reporting module will open up directly in Excel, where you can further review and analyze reports.

Integrate with Reporting Tools

Users can run custom reports in standard reporting tools such as BI Publisher directly from this reporting application. Additionally, menu and action icons can be added to the user interface to launch reports directly from the point of decision inside the Global Specification Management, Supply Chain Relationship Management, and other PLM modules.

Contact Us

For more information about Oracle's Agile Product Data Management for Process, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

Hardware and Software, Engineered to Work Together

ORACLE®