

## **GEMMS vs. Oracle 11i Changes:**

### **I. Modules re-written –**

***A. Formula Management***

***B. Laboratory Management***

***C. Quality Management***

***D. Production Management/Production Operations Controller***

***E. MPS/MRP***

### **II. Modules Re-named and Re-organized**

***A. Quality Management, Formula Management, and Laboratory Management now called “Product Development”***

***B. Routings now separated from formulas; included in “Product Development” as separate entity***

***C. Formula Validity Rules are now managed as “Recipes”; rules structure is also used for Quality Specifications***

***1. Validity Rules now have Status Codes and Configuration Control***

***D. Production Management and POC now combined as “Process Execution”***

***E. MPS/MRP is now “Process Planning,” slated for demise soon. Advanced Supply Chain Planning and Scheduling now integrated with OPM***

### **III. Modules Eliminated –**

#### ***A. Order Fulfillment***

- 1. Use Oracle Order Management and Shipping Module; many more capabilities**
- 2. When Using OPM Quality Module, can Select Inventory for Shipment based on Actual Lot Specifications**

#### ***B. Purchasing***

- 1. Use Oracle Purchasing, now have catalogs, store, and I-Procurement**

### **IV. Modules Diminished –**

#### ***A. OPM System Administration***

- 1. Most security is now contained in Oracle Applications, not in OPM**
  - a) User Responsibilities are defined in Oracle Apps**
  - b) Responsibilities can be customized for field level read-write access**
- 2. Links to Oracle HR for setting up OPM warehouses (HR Organizations and HR Locations)**
- 3. Old “system constant” switches (SY\$, IC\$, FM\$, CM\$, etc.) now replaced with “Profile Options” (In ver. 3.1 about 40, now number about 200). New nomenclature and default values.**
- 4. OPM “Companies” must have a 1:1 relationship with an Oracle Applications “Operating Unit”**
- 5. User Organization access still set in Sys Admin, but now User must also appear as an Employee in Oracle HRMS and Organization must be within same Legal Entity as User**

## **V. Modules Enhanced –**

### ***A. Inventory Management***

- 1. UOM, Stock Locators, Allocation Classes, Item Classes and Types now flexfields**
- 2. Lot Genealogy access from Inventory, Quality; Genealogy is now folder-based**
- 3. Warehouses now part of Discrete Inventory, are no longer GEMMS/OPM entry forms or data structures**
- 4. Item Master shared with Oracle Discrete Inventory – when created in OPM, duplicates itself in Discrete IM table**
- 5. New Lot UOM Conversion functionality**

### ***B. Quality Management***

- 1. Much stronger functionality**
  - a) Automatic Lot Status changes based on sample results**
  - b) 2-tier responsibility structure – Quality Manager and Quality Technician**
  - c) Enhanced equipment calibration record-keeping**
  - d) Electronic Records and Signatures available in Quality, Inventory, Formula, and Production functions**
  - e) Sample retains and stability studies can be managed and documented using Quality**

### ***C. Formula Management***

- 1. Split from Formula which contains Validity Rules and Routing, to separate Recipe (rules), Formula, Routing**
- 2. Status Control on Each Element (Recipe, Formula, Routing) –**
  - a) New**
  - b) Approved for Laboratory Use**

- c) **Approved for General Use**
  - d) **Frozen**
  - e) **Obsolete/Inactive**
- 3. Coproducts Listed Together on Single Form**
- a) **User-controlled cost distribution**
- 4. Increased Functionality for Ingredient Allocation Methods, Yield Calculations, Incremental Material Issue**

#### ***D. Production Management***

- 1. Routing Steps can be linked to In-Process Samples**
- a) **Sample “called” from Quality Module at selected Operation**
  - b) **Cannot move to next Operation until Sample results are posted in Quality**
- 2. Material Issues can be linked to Routing Operations**
- 3. No More “Partial Certification” feature**
- a) **“Certification” now called “Completion”**
  - b) **Partial Completions handled thru Normal “Batch Complete” transaction**
- 4. More Restrictive use of Plant-Warehouse table for Input/Output Warehouse Selection**
- a) **Now recommended to use Single Warehouse for both Raw and Intermediate Ingredients**
- 5. Can Now Link a Production Batch to a Customer Order**

***E. POC Module Added in GEMMS 3.1 and 3.2 Now Integrated Into Batch Execution***

- 1. POC is No Longer a Separate Module**
- 2. POC is Automatically “Turned On” in Process Execution**
- 3. Functionality Added to Allow Selective Reporting of Operation Completions**
  - a) If midstream Operation is first one posted, prior Operations will “auto-complete” at Standard Yield and Resource Consumption**
  - b) Batch Can Be Terminated at Any Operation and Only Be Costed up to Termination Point\***

\*(actual Material and Std. Resources/Overheads thru Last Operation Completed)

## **VI. “Look and Feel” Changes –**

### ***A. All New Navigation and Forms***

- 1. Navigation now common with other Oracle Applications**
- 2. All new forms, with new fields in them**
- 3. Lookups, Actions as in Oracle Apps**

### ***B. Workflows***

- 1. Quality Management**
- 2. Formulas and Routings**

### ***C. Folder-Based Quality Module***

- 1. Expanded Ability to Organize and View Calibrations and Sample Results**
- 2. Use of “Base” and “Overlay” Specifications**
- 3. Ability to Capture and Retain Process Equipment Parameter Values – Target and Actual**

### ***D. New Form Links***

- 1. All Item quality samples/results accessible from Item Master form**
- 2. Process Parameter Specifications and Actual Values can be Retrieved thru Batch Record**

### ***E. Old GEMMS Text Feature Now Oracle Flexfield Structures***

- 1. Text Capability Still Available, but less “free-form”**
- 2. Navigation Path into Text is less Intuitive**