

**GLOVIA™**

Powerful Solutions for Manufacturers

## The Next Generation

For over thirty years, Glovia International has provided manufacturers with one of the most comprehensive and flexible enterprise solutions. While maintaining a battle tested product, which continues to bring success to a number of fortune 500 companies, Glovia has been fully capable of supporting fundamental principles such as Lean manufacturing and Demand-Pull systems. However, as one of the most trusted and established solutions providers, Glovia International also realizes that business processes change and the needs of manufacturers evolve, so it has been their priority to present clients with a solid system that is innovative, dynamic, functional and relevant. The following is a brief description of the new release in software for Glovia International.

In reference to the new product, there are two aspects worth taking note of. The first is an aesthetically pleasing and easy to use GUI, which boosts system utilization, acceptance and the learning curve for all users. The new GUI significantly heightens the level of clarity, accelerates the speed of navigation, and controls the flow of information. The second aspect, "Functional Enhancements," creates major advances in planning, scheduling and execution capabilities. Discussed in more detail on the following pages, these enhancements have allowed Glovia International to take ERP systems to a new level of efficiency & productivity.

**glovia G2**

**next**



**FUJITSU**

**GUI Enhancements**

Area	Technology & GUI Enhancement(s)	Benefit(s)
Clear Labels	<ul style="list-style-type: none"> <li>Spelled out labels replace almost all abbreviations</li> <li>Spells out table entities with respective table values</li> <li>Removes acronyms (CCN is Company), except for industry standard terms (i.e. MRP)</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates confusion</li> <li>Users not pressured to learn new “language” to use and navigate the system</li> </ul>
Documentation	<ul style="list-style-type: none"> <li>Rewrite of user guides, installation docs, and others</li> </ul>	<ul style="list-style-type: none"> <li>Updates reference material</li> </ul>
Expanded XML Capabilities	<ul style="list-style-type: none"> <li>New transactions available for in- and outbound communication</li> <li>Able to communicate with the .NET world using SOAP and Biztalk Server</li> </ul>	<ul style="list-style-type: none"> <li>Enhances Glovia-Glovia and external system operability</li> <li>Allows for SOA strategies</li> </ul>
General Function Redesign	<ul style="list-style-type: none"> <li>Provides an enhanced &amp; productive user interface</li> <li>Tab technology eliminates “drill down” for information</li> <li>Uses color scheme for alerting and status recognition</li> </ul>	<ul style="list-style-type: none"> <li>Gives users clear visibility</li> <li>Increases information flow</li> <li>Creates wider acceptance use</li> </ul>
Migration Tools	<ul style="list-style-type: none"> <li>New tools help migrate custom code from older versions</li> </ul>	<ul style="list-style-type: none"> <li>Increases ease without DBC</li> </ul>
Mouse Over Help	<ul style="list-style-type: none"> <li>Strategic areas of a screen provide a set of help/tips</li> <li>Display only fields show the entire entry</li> </ul>	<ul style="list-style-type: none"> <li>Self learning &amp; less mistakes</li> <li>Increases user confidence</li> </ul>
Overall Appearance	<ul style="list-style-type: none"> <li>Screens go from 80x24 to 110 columns by 34 rows</li> <li>Able to employ proportional fonts and spacing</li> </ul>	<ul style="list-style-type: none"> <li>Increases the volume and flow of information</li> </ul>
PDF Integration	<ul style="list-style-type: none"> <li>Makes and stores PDF-based documents directly into the Oracle database as a BLOB (Binary Large Object)</li> <li>Users define report templates with Microsoft Word</li> <li>Uses e-Access to send data from PRO-IV and populate a template; Then save as a PDF and store as a BLOB</li> </ul>	<ul style="list-style-type: none"> <li>With PDF integrated into the system, users can store critical documents &amp; valuable information, maintaining both quality and security</li> </ul>
Save-Point Support	<ul style="list-style-type: none"> <li>Affects rollback capability and prevents orphan records</li> </ul>	<ul style="list-style-type: none"> <li>Improves work efficiency</li> </ul>
Scaleable Bitmaps	<ul style="list-style-type: none"> <li>Creates scalable bitmaps for screen display</li> <li>Resolution not affected by zoom, images preserved</li> </ul>	<ul style="list-style-type: none"> <li>Screen display can be adjusted to user’s preference</li> </ul>
Standardization	<ul style="list-style-type: none"> <li>Removes abbreviations and standardizes text references</li> </ul>	<ul style="list-style-type: none"> <li>Improves navigation &amp; clarity</li> </ul>
Tab Support	<ul style="list-style-type: none"> <li>Delineates information into query and maintenance screens</li> <li>Organizes those screens into a common tab-format</li> </ul>	<ul style="list-style-type: none"> <li>Cuts down navigation time by logically organizing screens</li> </ul>
True Combo & Text Box Support	<ul style="list-style-type: none"> <li>True select and sorting within standard combo boxes</li> <li>Enters text without the legacy “line at a time” method; Text box allows for word wrapping and “cut and paste”</li> </ul>	<ul style="list-style-type: none"> <li>Improves visibility &amp; efficiency</li> <li>Communicates and stores info quickly and comprehensively</li> </ul>
True Object Handling	<ul style="list-style-type: none"> <li>Attaches any type of object to business data and makes it viewable through the client</li> </ul>	<ul style="list-style-type: none"> <li>Relevant information is now visible through the interface.</li> </ul>
Windows XP Theme Support	<ul style="list-style-type: none"> <li>Screens inherit the colors and display attributes, matching the user’s Windows XP settings</li> <li>Theme colors and button/icon styles from Windows XP can be used to create a unified interface for the user</li> </ul>	<ul style="list-style-type: none"> <li>Provides familiarity to the user</li> <li>System becomes less threatening and more widely accepted.</li> </ul>

## **Functional Enhancements**

### **Product Management Engineering**

**Granularity** – To enhance the scheduling of critical events and the accommodation of real time status reports, a new level of granularity has been provided. Lead times can be expressed in days or hours, fixed lead times can be set in units as little as 15 minutes and variable lead times can be calculated & rounded to the quarter hour. All planning documents (Orders, Quotes, WOs, FPOs, POs, and Requisitions) have time fields added, adding Date/Time granularity to planning dates.

**New Dispatch Pick Lead Time** – Representing the time to pick an item for shipping, it is added to overall lead time for order processing to determine the schedule date and time for the order.

**New Manufacturing Pick Lead Time** – This new lead time represents the time it takes for an item to be pulled for an issue and into a work order.

**Item Translation in Transfer Orders** – Users may now define an equivalency relationship between two numbers in different companies. For instance part “ABC” in Company 1 is the same at part “XYZ” in company two. Transfer orders between the two will reflect the appropriate part numbers.

### **Manufacturing MPS / MRP**

**MPS / MRP Recognize Substitutions** – MRP/MPS now includes the appropriate planning considerations based on the enhanced substitution capabilities and their exclusions/exceptions.

**Purchasing Substitution** – The Vendor Item Cross Reference can now define the item that is purchased based on the actual item required. MPS/MRP Planning will always drive CPOs for the actual required item, but also allows for substitution, depending on the vendor.

**Item Translation in Transfer Orders** – Refer to “Product Management: Engineering.”

**New Allocation Flexibility** – The system can be set to plan orders on a FIFO (first in - first out) basis, with orders planned as they are entered, or planned in batches, taking priority into account.

### **Work Orders**

**Granularity** – Refer to “Product Management: Engineering.”

**Item Substitution** – Provides one-to-one substitution, prioritized one-to-many substitution, and prioritized one-to-multiple substitution. All three can be used in sales orders, work orders and local structures, with the capability for either automatic system assignment or manual substitution.

**Work Order Status Codes** – Work orders statuses have been enhanced in the following areas: in-allocation, engineering review, date review, planned, inventory released, in pick, picked, manufacturing released, started, producing, manufacturing closed, and financial closed.

**Inventory Requirements for Work Orders** – Adds date/time to support granularity enhancements.

### **Inventory**

**Inventory Operations Start Date/Time** – An addition to the Work Order, this field is calculated by subtracting the Manufacturing Pick Lead time from the Manufacturing Start Date/Time.

**Inventory Requirements for Work Orders** – Adds date/time to support granularity enhancements.

### **New Workbenches for Improved**

**Inventory/Manufacturing** – Three new workbenches have been designed to allow granular visibility of inventory requirements for all orders (work orders, sales orders, and transfer orders). Orders are displayed in date/time sequence with status and availability. Each workbench has drill-through capability for enhanced granular management.

### **Supplier Management**

#### **Purchase Orders**

**Granularity** – Refer to “Product Management: Engineering.”

**Purchasing Substitution** – Refer to “Manufacturing: MPS/MRP.”

## **Customer Management**

### **Sales Orders**

**Granularity** – Refer to “Product Management: Engineering.”

**Default Company Default Time** – Each sales order type, within a company, is designated a default time, which represents the time of day from which lead times are backwards calculated. Example: A default of 6pm is set because the parcel service picks up packages at 6pm the latest.

**New Date Sets for Order Management** – Sales orders now keep four distinct sets of dates: Target, Planned, Firm, and Confirmed. Each set consists of five dates: required destination date, promised destination date, required date, promised date, and scheduled date. Any change to any of date within any set is logged in a history for enhanced analysis.

**Sales Catalog Items in Sales Orders** – Users can define Sales Catalog Items and use them in normal order entry processing. This includes enhanced, prioritized substitution of delivery items.

**Item Substitution** – Refer to “Manufacturing: Work Orders.”

**Item Substitution Exclusion Groups** – Define exclusion groups to a particular customer to ensure that they never receive a substitute or a particular substitute.

**Parent Item Substitution Exceptions** – Items may have substitution exceptions based on configuration variances, excluding certain substitutes while allowing others.

**New Allocation Flexibility** – Refer to “Manufacturing: MPS/MRP.”

## **Supply Chain Management**

### **Supply Chain Planning**

**Enhancements:**

- Creates projected inventory resolutions using target date, forward scan, backward scan and limited backward scan technologies.
- Tolerance dates and auto planned date assignment are based on new horizon modifiers.
- Integration of new customer split-delivery policies is based on actual quantity/percentage quantity and the number of days between splits.
- Integration of previously discussed target date sets/times and substitution policies.

### **Factory Planning**

#### **Version 5.5**

**Multiple Perspectives:**

- Offers ‘Perspectives,’ which provides multiple ‘windows’ with multiple ‘panes.’
- Tabs now represent user-definable perspectives, increasing the viewing area by over 1000%.

**Team and Skill Planning enhancements:**

- 4th Planning Constraint – Labor Skill, has been added to the planning capabilities, to be used in conjunction with other planning constraints: Machine, Materials and Tools.
- Resources and Teams are assigned their own workday patterns, shift patterns, crew sizes and skill capabilities, which are all considered by the constraint based planning algorithms.
- Labor resources, teams and skills need to be flexible enough to dynamically satisfy changing requirements. Solution allows for manipulation of resources, teams, workday patterns, shift patterns, crew sizes and skill capabilities to support constant re-scheduling.
- Advanced constrained planning recognizes that certain skills are more valuable than others and need to be reserved for resources that require those skills, unless really needed.
- Diminishing returns are associated with increases in resource utilization.



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