Real time data collection for receiving, inventory, manufacturing operations and shipping, seamlessly integrated with GLOVIA G2.
**SHOP FLOOR DATA COLLECTION**

The Glovia Shop Floor Data Collection (SFDC) solution is designed to provide a real-time, mobile or fixed data collection interface to GLOVIA G2. This solution supports radio frequency (RF) and hardwired terminals, laser and thermal barcode printers, fixed mount barcode readers, relays, reader boards and other serial or Ethernet devices.

The interface is a Windows product designed to communicate real-time with Glovia's SFDC Transaction Manager. The power of the product is realized in the flexibility of device types, real-time data access and ability to handle multiple locations in variable configurations.

**Features**

- A robust Windows-based solution delivering unprecedented stability and functionality
- Helping customers realize additional benefits of Glovia by increasing productivity, reducing errors, cutting inventory costs and improving customer satisfaction
- Different devices may have different screens depending on functionality required
- Device choices – multiple RF devices (mobile, fixed and vehicle mount) and hardwired
- Real-time validation on Employee Number, Part Number, Job Number, Job Operation, Location, P.O. Item Number, Lot Tracking Number, Shipper Line Item and Quantity On-Hand
- Supports a supervisor end-of-day feature that allows employees to clock out quickly
- Fully supports lot and serial control

**Transactions Supported**

The SFDC module consists of a core set of transactions. These transactions are explained in more detail on the following pages.
Examples of Supported Devices

Complementary Products

Several complementary products are available, including:

Time and Attendance
Robust T&A with interface to ADP; Critical employee information; Security and Grouping; Supervisor over-ride; Wired or wireless terminals; Bar Code badges or Smart Cards.

In/Out Board
For employees who do not need to clock in and out for payroll purposes, but whose whereabouts need to be tracked, service engineers, consultants, managers, etc. Information is fed to an electronic ‘In/Out’ board, which can be displayed on a standard Windows PC.

Our partner company for SFDC solutions can provide a complete installation, offering networking and hardware consultancy as well as working with Glovia to provide any customized transactions. A wide range of handheld data collection devices/mobile computers, scales, label printers, relays, display boards and wedge scanners are supported, from such well-known manufacturers as Intermec, Datalogic (Percon), Motorola, Mettler-Toledo, Zebra, Datamax, Daktronics and Adaptive (among others), using RS232/422 network, Ethernet, RF, and ODBC/RDO/ADO connection and data transfer methodologies.
Receiving

**Purchase Order**
This transaction maintains receipts for items ordered from a particular vendor. Receipts can be for a specified purchase order, contract purchase order, or type 2 blanket purchase order.

**Transfer Order Receipts**
This transaction maintains a transfer order receipt into an inventory location. You can receive all of the shipped quantity or receive a partial quantity.

**Customer Returns**
This transaction maintains received material against a previously created return goods authorization.

**Supplier Releasing Manual Receipts**
This transaction maintains a manual receipt for a delivered order.

**Supplier Releasing Quick Receipts**
This transaction maintains receipt prior to validation of the received order.

**Supplier Releasing ASN Receipts**
This transaction maintains an ASN receipt for a delivered order.

Inventory

**Inventory Inquiry**
This transaction allows the user to identify the quantity of an item that exists in each stock location and bin from which it is available.

**Location Move**
This transaction transfers item quantities from one location to another location within a single master location.

**Job Issues - Work Order Pick List**
This transaction issues material to work order lines using picklists. Typically picklists are used to generate one document for all the committed material for a work order when material is maintained in one location.

**Job Issues - Work Order Direct Material Issues**
This transaction allows you to process unplanned material issues directly to a Work Order and bypass the commitment and pull ticket or picklist activities.

**Job Issues - Work Order Direct Tool**
This transaction issues a tool from a kit list (including nonstandard tools) directly to a work order and bypasses the commit and issue transactions. You can use this transaction if the tool is not defined on the routing.

**Job Issues - Work Order Tool Return**
This transaction returns a tool that is no longer being used or that has been returned due to damage. Once a tool is returned, it can be reissued.

**Job Issues - Repetitive Schedule Direct Material**
This transaction issues unplanned material directly to an open repetitive schedule and bypasses the commitment and pull ticket activities.
**TRANSACTION SETS**

**Job Issues - Repetitive Schedule Pull Ticket**
This window prints pull tickets generated when material is committed using the Commit/Line Balance capability in Repetitive Manufacturing.

**Inventory Adjustments**
This transaction maintains the on-hand balance for an item. You can enter negative or positive quantities to decrement or increment the on-hand quantity.

**Physical Inventory (PI) - PI Count**
This transaction enters counts and recounts for stock, non-stock, and nonstandard items included in a physical inventory.

**Physical Inventory - Cycle Count**
This transaction enters counts and recounts for a cycle.

**Master Location Move**
This transaction transfers material from one master location to another master location within the same CCN, or from one CCN to another CCN.

**Work Order Clock On**
This transaction enables an employee to log onto a work order and begin collecting labor time using a data collection device such as a scanner.

**Work Order Clock Off**
This transaction enables an employee to log off a work order and end labor collection to that particular order using a data collection device such as a scanner.

**Repetitive Labor Entry**
This transaction maintains labor hours for repetitive schedule items in order to calculate labor costs. You record labor entries for an individual employee or for a crew.

**Work Order Machine Time Entry**

**Work Order Machine Time Entry**
This transaction reports machine hours for work order lines. Machine time entry may be recorded for an individual machine or for a cell.

**Shipping**

**Sales Order - Validate Picklist**
This transaction validates a printed picklist list for a sales order.

**Sales Order - Pick Confirm**
This transaction confirms the picking of picklist items and specifies the location to which the items are being transferred.

**Sales Order - Pack Confirm**
This transaction maintains information about packing activities based on the packlist document.

**Customer Release - Pack Confirm**
This transaction confirms a Customer
Releasing packlist.

**Transfer Order - Commit/Ship**
This transaction commits and/or ships a range of transfer orders.

**Return to Supplier**
This transaction returns rejected material to your supplier.

**Scrap**

- **Assembly**
  This transaction scraps defective assemblies being manufactured against a work order line.

- **Component**
  This transaction scraps components on a work order line item.

- **Operation**
  This transaction scraps subassembly items relating to a work order routing operation.

- **Material**
  This transaction scraps material that has been dispositioned as scrap by the MRB Results transaction.

**Inspection**

- **Move to Inspection**
  This transaction transfers item quantities from one stocking location to an inspection location associated with the same master location.

**Inspection Results**
This transaction records inspection results for an item in any location.

**Completions**

- **Work Order**
  This transaction records completion of work order lines and records the storage location for the completed quantity.

- **Repetitive Schedule**
  This transaction records completion of repetitive items, optionally back flushing components from the work center associated with the repetitive schedule, and reports the new location for the completed stock or non-stock item.

**Change Password**

- **Change Password**
  This transaction allows the user to change their password. The Password rules and frequency of mandatory change are controlled using the same ERP functionality used throughout the GLOVIA G2 application.
A REAL-TIME DATA COLLECTION INTERFACE TO GLOVIA G2

See what Shop Floor Data Collection can do for you.

This document contains the following examples:

• Work Order Operation Scrap
• Purchase Order Receipts
• Sales Order Pack Confirm
• Work Order Labor Entry
Driving manufacturing processes with a complete cost and scheduling system

**Work Order Operation Scrap**

GLOVIA G2 Work Orders is a comprehensive application for managing all work order-related information and activities, from opening work orders and managing work-in-process transactions, through coordinating and evolving your production lines. The work orders application lets you scrap material at the component, operation, and assembly levels.

The disposition of the scrapped material is completed in the Inventory application. If the material was purchased from a supplier and found defective during inspection, you can return it for replacement. Or, if the material was damaged during manufacturing, it can be made usable through rework processing. When return, rework, or other beneficial disposition of the material cannot be made, you must write it off by adjusting the accounting records and identifying it as scrap.
**DELIVERY TIME**

Managing the cost, quality and delivery time of procurement

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Purchase Order Receipts

Taking active control of your procurement process ensures successful delivery of quality products with good margins and competitive prices. GLOVIA G2 Purchase Orders is designed to help you to manage suppliers, control inventory levels, realize the benefits of Just-in-Time (JIT) deliveries, and provide the vital visibility necessary to analyze the financial impact of your decisions.

Purchase order receipts automatically reject unwanted over shipments and early supplier deliveries. Tolerances may be set, if desired, to ensure that your financial commitments and inventory levels stay on target. Cascaded receiving can also be used to help speed up data entry. The entry of a total quantity automatically consumes each scheduled delivery. Optional move tickets help route material smoothly to the final destination for immediate use or storage.
INTEGRATED

Providing a fully integrated online environment

Sales Order Pack Confirm

The lifeblood of every business is the sale and distribution of its goods and services. At the heart of this process is the sales order application. GLOVIA G2 Sales Order provides a fully integrated on-line environment for entering and processing sales orders and managing the physical distribution of goods.

When the packlist is confirmed, you can automatically confirm the shipment of material, and forward the information to billing for further processing. Or, you can delay the processing and use separate shipping and forward-to-billing transactions in the Sales Order or the Billing applications.
With GLOVIA G2 Work Orders, you always have instant and accurate visibility to your current investments in work-in-process inventory. Each Work Order provides an on-line valuation of the materials used and value-added costs. Both labor and machine fixed and variable overhead calculations are supported.

Overhead can be automatically applied to stock and non-stock work order lines when you process labor and machine entries. For stock and non-stock work order lines for standard cost items, variances are calculated by comparing the actual labor or machine rate to the standard labor or machine rate for the operation. The actual labor or machine rate is compared to estimates to calculate variances for stock and non-stock work order lines for average cost items and for nonstandard work order lines.