



Infor LN 10.5.1

Release Notes

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Publication Information

Release: Infor LN 10.5.1 Release Notes

Publication date: September 29, 2017

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About this guide

This guide describes the new or changed functions and features delivered with Infor LN 10.5.1

Intended audience

This guide provides high level, summarized functional and/or technical aspects of the new and/or changed functionality offered in LN 10.5.1 The intended audience can include key users, system administrators, implementation consultants, support specialists, and so on.

Contacting Infor

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If this document is updated after the product release, a new version will be posted on this Web site. It is recommended that you check this Web site periodically for updated documentation.

If you have comments about Infor documentation, contact documentation@infor.com.

Configuration and Personalization

Company Coloring

To easily identify the company assigned to a user, it is possible to assign a color to the companies that are used. The color can be assigned, for a specific company, in the Companies (ttaad1100m000) session. The assigned colors are also displayed in the Change Company (ttask2007m000) session. Note: This feature is only applicable for the LN UI 12.0.

Save Column Width for Gantt Charts

In LN/Xi UI, when you close the Gantt session, the column width is saved as a personalization. The columns are displayed based on the personalized width when you restart the session. You can use the 'Reset Columns' option from the Views menu to restore the columns to the default width.

Microsoft Excel Integration

Import Full Table

The Import from Excel functionality now includes a new 'Import only in this View' check box. By default, this check box is selected. Therefore, when records are imported from Excel, the records are displayed in the View that is currently active (applicable to 'type 3' sessions: multi-occurrence with view fields). If this check box is cleared, records that are imported can be displayed in an alternate view.

Option to create separate columns for date and time

The 'Export to Excel' check box is added to the 'Separate Date and Time Fields' functionality. If this check box is selected, each UTC Date/Time field is split into a separate Date and Time column in the excel sheet.

Enhanced Authorization Management System (AMS) and Integration with the Enterprise Modeler (DEM)

New functionality has been introduced to improve the process of:

- defining roles
- modelling session/database authorizations
- assigning roles to users.

The enhanced AMS sessions are no longer used to display each level of authorization (session, table, table field, Library - dll) in separate sessions, but are displayed in a single view. This allows for easy filtering and export to excel, but more importantly, all the authorizations for a role are displayed in a single view. Based on the activation of the relevant parameter, the new enhanced AMS sessions are displayed on the Authorization Management System menu.

New functionality has also been added to DEM to ensure that roles are exported with the specified authorization to AMS. Only, the data that is specifically set up in DEM is exported to AMS.

After the export, AMS can be used to adjust the authorizations and role assignments, as required. You can also easily filter and view the changes made to the DEM authorizations in AMS. When this option is enabled, using the relevant parameter, the changes in the DEM processes are set to Active only after the export to AMS and the runtime conversion is executed.

During the runtime, DEM and AMS work synchronously. AMS provides the hard boundaries of authorization, DEM is used to further refine the authorizations, but only if the DEM authorizations are more restrictive.

This reduces the time to set up authorizations in DEM as extensive time is not required to define 'Sub-application modeling'. This also solves a number of issues regarding DEM and security audits. You can now use the enhanced AMS sessions to report the authorizations for the audit and ensure that data that is reported is authorized. This authorization can also be published to Infor Risk & Compliance, which improves the LN-Infor Risk & Compliance integration.

Authorization and Security

This functionality offers various options for data authorization and ensures that an employee only works with the data for which authorizations are provided. An added advantage is that only data that an employee is authorized to access is displayed. Consequently, this ensures that employees only review data that is required.

This functionality covers a major part of the LN processes such as Requisitions, Procurement, Sales, Project, and Contract Management. The (session) authorization options that Tools and DEM provide are extended to define the data access levels of employees, based on the relevant attributes of the object. The functionality is more applicable for the business community. The focus is on employees rather than users.

In this release, Authorization and Security functionality has been extended to include new documents that can be authorized and also the new areas, which adopted the new and existing documents and master data.

Production

These objects are now applicable in Planning:

- Work Centers
- Project (PCS) (in the item selection)
- Item
- Warehouse
- Project

Service

Using the Authorization and Security functionality for Service permissions, these objects can be authorized:

- Service Contracts
- Contract Quotes
- Service Orders
- Service Quotes
- Maintenance Sales Orders
- Maintenance Sales Quotes
- Service Calls
- Customer Claims

- Supplier Claims
- Work Orders

The authorization for these objects has been extended to all areas in Service except Mobile Field Service.

Finance

Using the Authorization and Security functionality for Finance permissions, these objects can be authorized:

- Transaction Types
- Dimensions
- Ledger Accounts
- GL-Code
- Bank Relation

The authorization for these objects has been extended to the sessions for Cash Management and part of the General Ledger.

People

These authorization objects have been added to Hours Accounting:

- Work Centers
- Work Cells
- Project (PCS)
- Service Orders
- Work Orders

Resource Management

Planning

Resource planning, that was available for Service and Project, is also now available for Job Shop (Operations) and Project/PCS (activities).

Based on the origin, the planning step in Resource Management can be switched off. This option is introduced because planning capabilities can be based on several origins.

Resource Management Workbench

Apart from Service orders and Project activities, orders from Job Shop and Project/PCS (activities) are available in the workbench. Using a new parameter, it is now possible to define if the workbench can be used to (re-)plan the activities with different origins.

Price Stages

A price stage is a categorization of the price based on the phase in the price negotiation process. Using Price stages companies, you can negotiate the price while continuing the order process with a restriction on the activities that must be performed. This ensures that a price on an Order line such as Purchase Order Line or Sales Order line can be identified as not fully negotiated. When a price negotiation is not complete, certain actions (based on the price stage) must not be allowed.

For Purchase, a Price Stage can be blocked during:

- Order Entry
- Release to Warehousing
- Receipt of a line.

For Sales, a Price Stage can be blocked during:

- Order Entry
- Release to Warehousing
- Confirming a shipment.

The blocking definition can be used to block and signal, or just block, or just signal a user of the price stage. Based on the type objects in LN, price stages can be optional or mandatory. The list of the parameter sessions to ensure that Price Stages are mandatory:

- Sales Quotations (tdsls0100s100)
- Sales Orders (tdsls0100s400)
- Request for Quotation (tdpur0100m100)
- Purchase Orders (tdpur0100m400)
- Purchase Contracts (tdpur0100m300)
- Contract Parameters (tpctm0100m000)

The list of objects for which Price Stages can be used:

- Sales Quotations Lines
- Sales Order Lines
- Request for Quotation Lines
- Purchase Order Lines
- Purchase Contract Lines
- Contract Deliverables (Project)
- Price Books
- Landed Costs Revisions

When defining a price book, the price stage can be specified to identify the price negotiation phase. The process used to default the price for an order line, is also applicable for a price stage in a price book.

A price stage can also be defined during the creation of landed cost revisions. When the landed costs are added to an order line, the price stage is also added. If the landed cost price stage has more restrictions than the order line price stage, the price stage with the most restrictions is considered for blocking/signaling. Note: The Blocking functionality is not applicable for Contract Deliverables.

Intercompany Trade on Purchasing

In Central Purchasing, a central purchase office creates a purchase order or purchase schedule for a warehouse assigned to another financial entity, for example, another legal entity or business unit. This implies that the supplier is paid by the purchase office, but the received goods are owned by the warehouse. This transaction can result in financial transactions between the financial companies.

In LN 10.5, this process was supported using an intercompany trade order with a transfer pricing rule as a commercial price or a price based on the purchase price. Optionally, an internal invoice could also be used for this process.

To enhance this functionality, a new External Material Delivery Purchase intercompany trade scenario has been added. This scenario can be applicable in these cases:

- Purchase order receipt for a warehouse
- Direct Purchase order receipt on a project
- Purchase order receipt on a subcontracting order (including service subcontracting)
- Purchase schedules
- Service Supplier Claims
- Return process

Costing

Standard Cost Components

To accommodate the multi-site enhancements, the structure of the standard cost has been modified. The enhanced functionality includes:

- The cost type 'General', which has been made visible.
- The difference between the cost component types Detail, Collect and Aggregate has been made more clear.
- Defining the costing scheme, which is now mandatory.
- A costing scheme set up. When a scheme is created, the same is checked for consistency and completeness.
- The costing settings in the operation rates, which have been moved to the new 'Cost component sub type' field in the cost component.

It is recommended to evaluate the migrated scheme. This can be done after the migration. Note: There are no changes in the bookings and in the cost price calculation.

Change Requests

Purchase Orders and Purchase Contracts

A change request document includes a proposal for the adjustment of an actual document such as a Purchase Order or Purchase Contract. The change request is copied from, and linked to the actual document.

Changes for the actual document are effective only after the change request is approved and processed. After the approval, the original document revision number is increased by 1.

The use of Change Requests allows for revision numbering on a Purchase Order or a Purchase Contract. A change request can be internal when only limited fields can be changed and the revision number of the Purchase Order does not increase.

The use of the Change Request functionality can be enabled for each document type. The parameter for Change orders on Purchase orders can be specified in the Purchase Order Parameter session; and the parameter for Change orders on Purchase Contracts can be specified in the Purchase Contracts Parameters session.

Purchase Retro-Billing

If price changes are required for a purchase contract after the negotiation date, the Retro-billing functionality can be used to pay or get a credit for previously paid items of the Purchase Orders and Schedules.

New parameters are introduced in the Procurement Parameters (tdpur0100m000) session to enable Retro-Billing. Price differences are handled by adding new payable receipts to existing orders or schedules.

The existing orders and schedules must be fully matched/approved and the delivery process must be performed.

Retro-billing can be initiated from a purchase contract or using the new Generate Retro-billed Price Change Advice (tdpur3570m000) session. After the advice is created, the same must be approved and processed. This creates new payable receipts for the existing order line or schedules. The new payable receipts can be used to match/approve the retro-active lines.

Sales Orders

Consignment Consumption

A new Sales Order Actual Delivery Consumption (tdsls4106m200) session has been introduced to track the consigned inventory and the quantity consumed. The session lists the inventory that is delivered as consigned, the quantity to be consumed and the quantity that has been consumed. In addition, the Actual Delivery tab on the Sales Order (tdsls4100m900) session includes new fields that display the quantity of the consigned inventory that is consumed.

After Sales Service

The Sales Orders functionality has been enhanced to allow interactive or automatic processing to create Item Serial Service data with the applicable warranty template. After an item for which item service data is defined and the Process to Service after Delivery check box is selected in the Items – Service (tsmdm2100m000 session is delivered to the customer, the new After Sales Service functionality is available on the sales order header or sales order line.

This session can be used to modify the defaults such as the type of warranty that is applicable for the sold item. Additionally, a service contract template can be assigned to create a Service contract for other aftermarket tasks such as preventative maintenance or additional service covered over and above the warranty terms.

A new Process After Sales Service Lines (tstdm2250m000) activity session has been added to support and automate the process of creating Service structures.

Copy Component Lines

In 10.5.1, the Component Lines option has been introduced for the Copy Templates functionality. If this option is selected, LN copies the original sales order line components to the target sales order line. If the Component Lines option is not specified in the template, LN retrieves the defaults from the BOM. For example:

Kitting Sales Order Line with a Main Item X100 includes three components (one pcs of X100a, two pcs of X100b, and three pcs of X100c defined in the manufacturing BOM). Entering the Sales Order Line for item X100 with handling flags of issue components and component lines, for quantity of 1 pcs creates the sales order line components (one pcs of X100a, two pcs of X100b

and three pcs of X100c). The sales order line components can be modified by removing an item, changing the quantity, or adding a new component such as X100d for 1 pcs. After the modifications, the sales order line components session includes one pcs of X100a, two pcs of X100b, and one pcs of X100d. When copying this sales order line using a copy template, without the components lines option selected, the original BOM components (one pcs of X100a, two pcs of X100b, and three pcs of X100c) is assigned to the new sales order line. When copying this sales order line with a copy template, with the component lines option selected, the source component lines (one pcs of X100a, two pcs of X100b and one pcs of X100d) are assigned to the new sales order line.

Shipment Workbench

A new workbench has been introduced to efficiently handle shipments leaving a warehouse, or possibly multiple warehouses. It is an operational tool for a shipping employee to first quickly process shipments waiting on the loading docks, which enables the user to deal with exceptional situations such as delays, rush orders, shipping constraints and so on.

In addition, exceptional actions to be taken and available shipments details can be easily accessed by the workbench operator, for example, the data related to the use of lots and serials or handling units and packaging.

The workbench provides an indicator, in case of exceptions, such as partial or late shipments. In addition, shipment overviews are displayed as charts or graphs to support day-to-day shipping operations.

Automotive Shipment Workbench

This workbench can be used to efficiently execute the outbound procedure of projected shipments.

This workbench allows users in outbound activities to:

- View the details of the projected shipment.;
- Receive alerts on shipment activities that are due.
- View the next/subsequent activities to be executed.

The workbench acts as a starting point to perform the required actions related to the outbound activities. Selection criteria and filters can be used to assist the operators to view projected shipments for one specific Trading Partner/Customer. This also provides the operator details of the concurrent and/or subsequent demands for different Plants/Delivery points.

In addition, the workbench generates alerts in case of exceptions, based on which the required actions can be performed. For example, expedite a shipment, or if repackaging, relabeling, and resequencing is required.

Manual Cost Peg Transfers of the Borrow/Loan Type

Manual Entry

The existing functionality regarding the creation of 'non-permanent / temporary' project cost peg transfers (= peg transfers of the type 'Borrow/Loan') has been enhanced.

In contrast to the previous functionality, the entry of a manual project cost peg transfer can now result in a peg transfer record of type 'Borrow/Loan', which starts the process of returning/paying back the transferred inventory to the original project cost peg.

Excess Inventory

Creating a manual cost peg transfer of the 'borrow/loan' type is now possible in case 'excess' inventory, for which no demand exists, is taken from a project peg. Previously, inventory registered as 'excess' on a project peg would always be transferred permanently.

Warehouse Inspection Procedure to Overrule Quality Management Settings

The setup and implementation of inspection activities in the warehouse inbound/receipt procedures has been enhanced.

A new option is provided to explicitly decide whether the Inspection step in the Warehouse Order Type must always drive the creation of inspections (in Warehousing or Quality management (QM)), regardless of the item-based test settings in the latter. For this purpose, the 'QM (Inspection) Overrides Warehouse Inbound Order Type' check box has been introduced at the warehouse and item-warehouse level. If this check is cleared, the standard behavior, whereby the item test settings in QM are leading, is overruled by the (non)-existence of inspection steps in the warehousing inbound order procedure. This inspection decision may vary per combination of item and receiving warehouse.

Kanban Enhancements

Kanban Signals & Supply Orders

A Kanban Signal entity has been introduced, which is a mandatory level lower than the previous Kanban ID, that used to represent the total loop (but which is now only reflected by a 'Total Supply Quantity'). This kanban signal (ID) represents a single or multiple kanban bins or – cards and functions as the trigger for a new kanban supply order each time the related kanban label is scanned.

The (number of) signals attached to the Kanban loop can be monitored, maintained manually, or updated dynamically by recalculating and/or resetting the master data. Depending on the parameter settings, the Kanban supply signal IDs for labels or bins can be reused continuously, like labels on bins, or can be used only once. The status of the IDs can be 'Active', 'Inactive', or 'Closed'. To deal with peaks and troughs in demand, active signals can be added to a loop or deactivated. Both the actions are of a temporary nature and can be reverted. Again based on the

parameter settings, increasing the number of active signals attached to a loop can automatically trigger the corresponding supply orders, as an alternative to scanning the Kanban labels first.

Average Daily Usage (ADU)

The calculation of the Average Daily Usage (ADU), which is crucial as an input for Kanban-related calculations, has been enhanced and now also includes an Offset date and the option to include 0-production days in the calculation.

Interactive Kanban Parameter Update

A new interactive Global Update of Kanban Parameters (whinh2200m100) overview session is available to support the (overall) Kanban parameter update process. When this session is run in the 'simulate' mode, the user is now offered the option to view and maintain the results and decide the system generated proposals and calculations that must be processed as actual updates.

Handling Unit Enhancements

Virtual Handling Units

An easy way to model multi item handling units in a better manner, is provided. When using the handling unit template, it is now possible to model the bottom node as a 'Virtual' node. The virtual node of the handling unit template allows modeling of a variable number of bottom level nodes until the quantity per parent is filled. This means that it is now possible to model less package definitions and handling unit templates without taking the ordered quantities into consideration.

Part Change Tags

IPP (Initial Production Parts) and Sort Tags are used to notify Honda Quality and Production associates of a part change by a supplier. Depending upon the part and supplier, tags may be required many times during a model year. A maximum of two pairs of reason code/trouble report number can be specified on the container level. IPP and Sort Tags must be printed on the Master Packing List and must be published in the LIN segment in the ASN.

New attributes have been added to the Handling Unit, which allows you to specify Part Change tags and reason codes.

Show 864 Text Message content on Shipment Line Reference Distributions Report

OEMs like Honda may send a Text Message (ANSI 864) along with the demand. The 864 Text Message is used to provide electronic messages for people and is linked to the corresponding document by a reference number. This text must be printed on the Honda pick & load sheet.

The text is now printed on the corresponding Shipment Line Reference Distributions Report, which is linked to the Shipment Header.

Intermediate Consignee

Intermediate Consignees (IC) are heavily used in different ways. The three most common scenarios are logistics specialists, redistributors, and re-packagers. This means that the goods first go to some sort of a shipping location where the goods are consolidated (intermediate consignee), before being shipped to the final destination.

When suppliers get EDI schedules from, for example the OEM plants, the suppliers could receive an intermediate consignee code in the EDI file.

Intermediate Consignee functionality is now supported in LN by means of a new Intermediate Consignee Master Data table, which allows the checking of the IC code. The Incoming Intermediate Consignee Code is passed through the entire LN system to reach the Load level. From there, the IC code is published together with the corresponding IC address information.

Contracts

Information for contracts and contract lines with status Free can easily be deleted using the new Delete option in the Contract sessions. Related objects such as installments and deliverables can also be deleted.

Contract history can be included in the archiving procedures.

The status of the contract or contract line can be reverted from Closed to Active.

Contract Deliverable

As mentioned in Chapter 2, price stages have been added for contract deliverables. Therefore, a price on a line can now be identified as not fully negotiated.

Also an option for conformance documentation has been added, similar to the functionality that was introduced in Procurement for LN 10.4.

Network Planning

Scheduling Algorithm

A basic option is now introduced which enables LN to calculate the critical path, the earliest and latest start and finish dates, and the possible float. On the project, you can now specify if the planning method must be Forward or Backward based on the project start date and finish date. Possible issues are also reported. For example, a conflict between a constraint and an activity relationship.

Gantt Chart

The Project schedule or Gantt chart functionality has been extended with options to display the critical path. A Constraints check has been added to the setup options to display the constraints as columns. Based on a tools change, it is now possible to set the width of columns and save this setting.

External Scheduler Interface

As a result of changes triggered by network planning, the Planning Method (Forward/Backward) and the lag of an activity relationship, if expressed as a percentage, are used as part of the external scheduler interface.

Element and Activity

Code

To offer additional options and flexibility, the element and activity code has been extended from 8 to 16 characters.

History

Similar to the project, Element/Activity history is now available. The history records are created based on the changes to the element or activity.

Access Item General

A reference option has been added to the Project sessions for items, equipment, and subcontracting, which can be used to access the Item General data.

Equipment Information

The information that can be stored for equipment has been extended. These options are introduced:

- Classification
 - The information already available for material, is now also available for equipment.
- Flag Manned Equipment
 - This field is informational only.
- Planner (employee)
 - Defaults to the PRP Purchase Order
 - Input for Purchase Order
- Responsible Department
 - This is used as part of item authorization.

Project Requirements Planning

The Project Requirements Planning (PRP) is always run for all the released elements/activities of the projects within the selection. Now, additional selection ranges can be added to this run:

- Element/Activity range
- Cost Type
- Cost Object

For example, a person can focus on requirements planning for equipment or subcontracting of a specific part of the project.

Project and Service

Subcontracting

Item - Service data for subcontracting, that is a subcontracted service as used in Project, is now possible. For a reference activity in Service, the Resource Type, Subcontracting is only used to check if the activity is subcontracted. One or more subcontracting items can be used for the reference activity of the type Field Service, which is subcontracted

Note: For reference activities with subcontracting, the Activity Use field must not be set to General, in the Reference Activities (tsacm1101m000) session. The use of project specific subcontracting is excluded.

As part of the Project/ (Field) Service integration cost mapping is not required, if both the Project and Service data exist for the subcontracted service and the subcontracting services used in Project, which can be also used for the Service order.

Budgeting

A new option is added to modify the budget information created based on the reference activity, as defined in Service. This option is enabled based on a Budget Parameter in Project. If changes are allowed, for example, the quantity can be changed for the Service related budget line. The modified information is used when service order (activity) is generated.

Revenue Recognition

Change Method

it is now possible to change the method of revenue recognition for a contract or project with the status Open. For example, new regulations might result in a change to the revenue recognition method.

The method to be used can be changed, without affecting the revenue calculations, until an interim result is approved and processed. With this release, a change is allowed even after the approval but in a controlled process. To change the interim results methods, you must select the Change Interim Results Method option from the Actions menu in Contract Interim Results (tpctm0180m000) and Project Interim Results (tppdm6103m000) sessions. A warning message is displayed, if interim results already exist.

When you generate interim results with a new interim result method:

- the already posted interim results are settled and reposted.
- unprocessed interim results are deleted.

Scenarios

To accommodate reporting, for example because of the SAB-74 requirement, scenarios using a Primary and Alternate revenue recognition setup can be created. The Primary setup is used for processing the revenue to Financials and therefore for all financial reporting. The Alternate setup is optional and can be used as a basis for additional reporting. This can be useful in the transition period to the new accounting regulations (SAB-74/IFRS-15). It is possible that during the process to handle the disclosures, an analysis by the customer could result in additional finance postings (manual journal entries). An option to switch between the Primary and Alternate setup is also available.

Work Authorization Status

Additional options have been added to the Work Authorization status. Options to update all activities in the selection (irrespective of the current status), or to only update activities with a specific status, or update activities that are On Hold activities with a certain reason code are also included.

BOD

Bid Workflow

A Workflow Status field has been added to apply the workflow for the internal approval of the bid. This improves the bidding process.

Bid BOD

To ensure that alerts are generated on the expiry of a bid, the expiry date has been extended to expiry date/time. You can now also specify a Sales for the bid. Consequently, the LN Project Data can be generated by Sales Office.

Forecast Planning

Earlier, the forecasted quantity was handled as one demand on the last working day of the bucket. In a scenario where the production is based on the forecast this can lead to shortages when the actual sales order is received.

To avoid this shortage situation, the logic in enterprise planning has been extended. Additional logic to deal with forecast demand in the master plan has been introduced.

When running the planning process for the forecasted demand, it is now possible to spread demand evenly across the working days for the buckets. Subsequently, based on the lot size and the order interval, the planned supply is generated. As a result, in the above mentioned scenario, less shortages occur.

It is also possible to use the master plan to consider the forecast demand at the start of the period, which means that the forecast demand is placed in the master plan at the end of the first working day of that period.

Project (PCS)

Activity code

The activity code has been extended from 8 to 16 characters.

Assignments

For resource assignments for projects in PCS, the start and finish date have been added. This allows to assign employees different from the activity dates.

Tooling

Functionality has been added to create a job shop order for the production of a tool.

In this release, the item defaults for item type 'Tool' is introduced and the logic to administrate the production of a tool has been included.

Therefore, it is now possible to either make or buy a tool.

Job Shop

Production Order Versions

In an engineering-to-order scenario, the design phase and the production phase often overlap. Sometimes the production order for an item is already released or active when a new revision of the item is introduced.

By enabling the production order version control, it is now possible to change an already released production order. The status of the order is reset to 'modify'. It is now possible to:

- Change the revision of the item
- Change the estimated material
- Change the operations
- Reprint the order
- Recalculate the estimated costs
- Update the as-built

The order can be (re)printed and released again. The information of the previous versions is stored in the production order history.

Line Side Labeling

It is the requirement of many suppliers, that containers must be labeled during production with the customer specific shipping labels. Therefore, Line Side Labeling has been implemented for production of the type 'repetitive' and 'job shop'. After the quantities are reported complete, when the finished goods are received in the finished goods warehouse, the customer specific labels can be printed.

Subcontracting

Item Subcontracting Model

Subcontracting of an item is critical in today's business. Therefore, a new 'make' option has been added for subcontracting, apart from the existing 'assembly', 'repetitive' and 'job shop' options.

The master data setup is simplified. Using a single item subcontracting model session, all required master data can now be maintained. The master data includes:

- Subcontracting Bill of Material, dependent on subcontractor.
- Price.
- Subcontractor warehouse.
- Lot size restrictions, lead time, sourcing percentage and so on.

It is possible to have multiple models for each item and subcontractor. The model is also revision controlled to handle the changes made over a period of time.

Repetitive Manufacturing

Report complete a range of shifts by work cell

A new Complete Shifts session has been introduced, which can be used to report complete range of shifts by work cell. This is to reduce the number of administrative activities and actions for the users, reduce errors, and increase efficiency on the shop floor.

Multiple work stations linked to same Point-of-Usage

It is now possible to allow single point-of-usage (shop floor warehouse) of supply to multiple work cells. This is to allow a single point of usage to supply multiple work stations of the production line.

Department work list

A new Department Work List session is introduced to display all the open production schedule lines for the work cells that belong to the selected production department. Open schedule lines can be selected and processed (approve labor hours) and/or completed simultaneously.

Material handling on material lines

Order Unit

In this release, it is now possible to define a unit when material is defined for a Reference Activity, or for a Service Order, or a Work Order.

Component Handling

List Items of type Kit now are available, which can be used for a Service Order material line or a Work Order material line. The item of type Kit is not stored on the material line but the components are copied to the material lines.

Installation Group

The Installation Group is not mandatory, but yet the option is displayed. It is now possible to specify if the Installation Groups are required. If not required, you must clear the Installation Group check box in the General Service Parameters (tsmdm0100m000) session.

After Sales - Service

The integration between Sales and Service is enhanced. For the items sold, it is possible to specify:

- A Warranty
- If a Physical Breakdown must be created
- If an item must be linked to an Installation Group
 - A new Installation Group can be created
- If a Service contract must be generated based on a Contract template

The data can be processed to Service using a new session, which can be modelled as part of the Sales Order Type activities.

Supplier Claim Workbench

For the Customer claims, a workbench was already available. Now, a workbench is also available for Supplier claims. The new workbench contains a filter for claims, based on attributes such as Buy-from Business Partner and/or Item. Claims can also be filtered based on amounts. The workbench provides the user an insight of the next required step in the claim procedure.

Service and Project

Subcontracting

Item - Service data for subcontracting is possible. However, for a reference activity in Service, the Resource Type Subcontracting is only enabled if the activity is Subcontracted. One or more subcontracting items can be used for the reference activity of type Field Service that is subcontracted.

Note: For reference activities with subcontracting, the Activity Use field must not be set to General, in the Reference Activities (tsacm1101m000) session, The use of project specific subcontracting is excluded.

As part of the Project/(Field) Service integration cost mapping is not required, if both Project and Service data exist for the subcontracted service. The subcontracting services used in Project can also be used for the Service order.

Small Enhancements

Quality Series Defaults

Flexibility is provided to define a series at the Warehouse, Department, or Enterprise Unit level in the QM parameters session. This flexibility is also provided for Inspection Orders, Non-Conformance Reports, and Corrective Action Plan documents.

Also, the series option is provided for user profiles.

When a new Inspection Order, Non-Conformance, or Corrective Action Plan is created, LN first checks the series in user profiles. If not defined, LN checks the series in Quality Series Defaults is checked. If not defined, the series specified in the Quality Management Parameters is used.

CAP Task Workbench

The Corrective Action Plans task session has been updated to be more task orientated. The session can now be used to easily search for specific ranges of Corrective Action Plans manually or using pre-defined filters.

The session includes specific data, status based, and date based filters.

Purge and Archive for Order Inspections

The Delete Order Inspection (qmptc1203m000) session has been extended to handle archiving of order inspections. This session includes all the generic features of an archiving session.

Lot Serial 360 view from Quality Management

Lot Serial 360 session can now be accessed from the Order Inspection session. The view displays the filtered records for the relevant serial and or lot.

Conformance Documentation

Selling Side (Contract Deliverables, Sales, and Sales Schedules)

The business requirement to record details of the various Inspection types that are executed at the source (by the supplier or another approved third party) had been addressed in 10.4.

In this release, a similar requirement on the sales side (manufacturer related) is addressed. For example, certificates of conformance, supplier inspection reports, first article inspection and so on must be shipped with the goods. The conformance document register was introduced in 10.4 to record the relevant details related to the user defined conformance documents or document sets. The user can pre-register and pre-approve the documents prior to the shipment. Also, the relevant document details can be recorded as part of a quality management inspection process. This information is 'matched' against the pre-received conformance documentation as part of the pass/fail process. The above process is now also available for contract deliverables, sales, and sales schedules.

Quality Management – Repetitive Manufacturing Integration

Repetitive Routing and Repetitive Production

These origins are introduced in Quality Management to enable quality inspections and non-conformance reports related to repetitive manufacturing. Non-conformance reports are enabled only for the repetitive end item.

XML Invoice

XML invoices can now be configured and used for XML invoice generation. It is possible to specify for each financial company the type of invoice document that must be generated - Printed Document, XML Document, or both.

The XML Invoice layout (cisl1151m000) session provides a framework for the configuration of the XML invoice of different formats and allows for mapping with the LN invoice data. It is also possible to test the XML layout before activation. The XML layout is date effective.

To be Printed Invoice Lines

In Invoicing, it is now possible to view the invoice lines which are actually printed. In the 'To be Printed Lines' session, the invoice lines which are to be printed are displayed. The account aggregations based on the invoicing method is considered when the data is printed. In addition, it is now possible to rearrange the sequence in which invoice lines are printed.

Collect Orders – Separate Transaction Type

When the Collect Order functionality is used for sales orders, invoices are created directly from Sales Order Management. It is now possible to specify a separate transaction type for these types of invoices. This can help prevent locking issues due to invoice number generation.

Manual Linking of Related Invoices

In the Related Invoices (cisl18112m000) session, it is now possible to manually link a related invoice to a billable line. It is also possible to handle this billable line as a correction, if the manually linked related invoice is marked as an original invoice.

Fixed Asset Disposal Free of Charge

In some countries, when fixed assets are disposed free of charge, tax is still applicable on the transaction based on the residual value or market value. This can now be handled using the Manual Sales tax only invoice and Shifted tax code functionality.

This is applicable in Malaysia.

Fixed Assets

Business Partner Distribution in Journal Vouchers

Some organizations are required to report all the financial transactions for each business partner, if applicable. This also includes the transactions that are created by the fixed assets processes.

Several invoices for different business partners can result in adding cost to one fixed asset. In this scenario, each transaction must be divided proportionally to the cost amount for each business partner. This distribution for each business partner is now stored for each fixed asset. When the fixed assets are capitalized, depreciated, adjusted, or processed, for each process the transactions are created with a distribution by business partner.

Extra Options for Depreciation Calculation

These extra options are added to calculate depreciation amounts:

- Calculate depreciation based on a percentage of the current cost;
- Include the cost adjustments based on the depreciation calculation from the next period onwards;
- Include only the salvage value for the last period of depreciation.

Write off Bad Debts

For business purposes, a debt is regarded as 'bad' when the decision is made that the debt is non-recoverable. This decision is made when all reasonable efforts are made to collect the debt but without any success; and the supplier is in a position to reduce the amount of debt by indicating the same in the application. It is necessary to write off a bad debt when the related customer invoice is considered to be 'uncollectible'. There are two methods to account for bad debts:

- **Direct write off method:** The seller can charge the invoice amount to the bad debt expense account when it is certain that the invoice cannot be paid. The journal entry is a debit to the bad debt expense account and a credit to the accounts receivable account.
- **Allowance method:** The seller can charge the invoice amount to the allowance for doubtful accounts. The journal entry is a debit to the allowance for doubtful accounts and a credit to the accounts receivable account.

The Credit Collector Workbench functionality has been extended. Based on this enhancement, a Credit analyst can easily and consistently write off bad debts using these methods.

Bad Debt Recovery and Bad Debt Claim Report

The Bad Debt Recovery functionality has been enhanced to process Bad Debt Relief transactions. If, after claiming bad debt relief from the tax authorities on receivables, a company receives a payment for any part of that particular debt, an adjustment to the bad debt relief already claimed must be made. If, after paying the bad debt relief to the tax authorities on payables, a company pays for any part of the supply of any goods or services, an adjustment must be made to the bad debt relief that is already paid.

This functionality has been further enhanced to easily handle Bad Debt Recovery and consequently the required VAT adjustments.

The bad debt claim report is added for auditing purposes. The report includes the bad debt relief transactions regarding receivables and payables that are part of the tax declaration submitted to the tax authorities.

Update Intrastat with Invoice Data

Intrastat records now include the Sales Invoice data when the (original) invoice is printed.

Purchase invoices are used to update the Intrastat records when the invoice is approved. If the purchase invoice is not approved, the related Intrastat data is cleared.

Tax Code Usage

It is now possible to create dedicated purchase and/or sales tax codes. For this purpose, a new Tax Code Usage field, with the Purchase, Sales, and All (default) options is added to the Tax Codes by Country (tcmisc0536m000) session.

In general, you can only view and select 'Purchase' or 'All' tax codes in Accounts Payable and only 'Sales' or 'All' tax codes in Accounts Receivable. In cash management, the type of transaction determines the tax code usage. In General Ledger, the Tax Origin field determines the tax code usage.

Bank Transactions - Tax Date

It is now possible to report, apart from the transaction date and the document date, a date for VAT using the Bank Transactions (tfcmg2500m000) session. In most cases, this is the value (cash) date.

Small Enhancements

Editable Matched Amount & Quantity

To improve the usability of the process to match data in Accounts Payable, the Matched Amount and Quantity fields have been added to the Match Receipt Lines sessions.

Procurement Retro-billing

To support retro-billing of purchase orders for Accounts Payable, a new option has been added to match retro-billed purchase order lines data.

Archiving Session for flexible reporting (Taxonomies)

Flexible reporting structures or taxonomies in the general ledger can be created in LN. The Archive and Delete functionality of closed taxonomies has been added to maintain the structures and/or versions that are closed.

Czech Republic and Slovakia

In the Czech and Slovak Republic, companies are required to add extra VAT information to purchase invoices, bank transactions, and journals for the purpose of VAT reporting.

Purchase Invoices:

- **Tax Date:** In several countries, not only in Czech and Slovak Republic, a tax date must be reported. This is the date when the goods or services were supplied or when the payment was received, if this date can be determined; and if the date differs from the invoice issue date.
- **Invoice Receipt Date:** In the Czech and Slovak Republic, the invoice receipt date must be recorded when the purchase invoice is registered.
- **Original Document Number:** In the Slovak Republic, when a credit note is registered, the original (supplier) invoice number must be recorded for this transaction.

Bank Transactions:

- **Registration Document Number:** In the Czech and Slovak Republic, the external receipt number, supplier payment identification, customer receipt identification, or other document numbers must be registered with the bank transactions for advanced payments, advanced receipts, and cash journals.

Journal Transactions:

- **Tax Date:** In the Czech Republic, the date of the original document is used for VAT reporting.
- **Registration Document Number:** In the Czech Republic, the external document numbers must be recorded when a journal transaction is registered. Examples:
 - If a customs declaration for sales is posted as a journal transaction to record the VAT, the customs declaration number must be recorded with this journal transaction.
 - In case of VAT corrections, the reference to original document identification must be registered.
 - In case of other documents that are posted as a journal transaction, the reference to original document identification must be registered.

Russia

Invoice Layout

Russia specific invoice layout is now supported when 'Russia' localization is implemented. These layouts are supported:

- Original Invoice
- Correctional Invoice

Malaysia

Deemed Supply – Gifts (LP)

In case gifts are given to employees or business partners and the value of these gifts exceed a specified amount, these gifts are considered as supply and tax must be recorded and paid. This functionality is now supported as part of 'Malaysia' localization. Gifts can now be recorded in the Gift Registrations (lpmys1100m000) session. These can be periodically processed to create tax adjustment transactions. When processing the tax adjustment transactions, journal vouchers related to tax are created.

Deemed Supply – Lost / Damaged Goods (LP)

When goods on which input tax has been claimed are lost or damaged, the output tax must be recorded and paid. This functionality is now supported when 'Malaysia' localization is implemented. It is now possible to record the required tax adjustment when registering the inventory adjustments. This is possible using these sessions

Adjustment Order (whinh5120m100)

Cycle Counting Order (whinh5600m000)

When processing the tax adjustment transactions, journal vouchers related to tax are created.

Chapter 13 DEM Content Pack

13

This section lists all the new, modified, and expired business processes and static conditions in the LN 10.5.1 DEM content pack.

Overview Processes

Business Process	Description	Change
OCI010	Project - Service	Modified
OGM010	General Manufacturing	Modified
OIM010	Industrial Machinery	Modified
OIM100	After Market Service	Modified
OMP010	Design to Deploy	Modified

Main Processes

Business Process	Description	Change
MAM003	Manage Prospect/Customer Activities (CRM) & Sales/Service Quotations	Expired
MAM510	Parameters/Master Data (Marketing Campaigns)	Expired
MAR001	Control Customer Cash Flow	Modified
MAS510	Parameters/Master Data (Fixed Assets)	Modified
MCM040	Manage Cash Flow	Modified
MCO020	Create/Maintain Prospect/Customer	Modified
MCO030	Create/Maintain (Potential) Supplier	Modified
MCO510	Parameters/Master Data (Common/Business Partners)	Modified
MFM040	Plan/Subcontract Freight	Modified
MIT010	Change ERP Application Configuration	Modified

Business Process	Description	Change
MMN010	Complete Production/Assembly Order	Modified
MMN510	Parameters/Master Data (Production/Assembly)	Modified
MPB510	Parameters/Master Data (Budget Control/Cost Accounting)	Modified
MPB511	Parameters/Master Data (Cost Accounting)	Expired
MPL010	Actualize the Material Requirement Planning (Supply)	Modified
MPL011	Dispatch Production Order	Modified
MPL200	Resource Management	Modified
MPM020	Change Business Processes and (Data) Authorization	Modified
MPM510	Parameters/Master Data (BPM & Authorizations)	Modified
MPR100	Create/Maintain Project Definition and Contracting	Modified
MPR110	Manage Project Contract	Modified
MPR220	Create Project Activity Planning	Modified
MPR240	Manage Project Shipments	Modified
MPR260	Cost Control/Report Project	Modified
MPR270	Prepare Contract Invoicing	Modified
MPR310	Project Closing	Modified
MPU003	Process Purchase Orders/Schedules	Modified
MPU510	Parameters/Master Data (Purchase)	Modified
MQM510	Parameters/Master Data (Quality Management)	Modified
MRA200	Declaration of Taxes	Modified
MSL040	Manage Prospect/Customer Activities (CRM) & Sales/Service Quotations	Modified
MSL510	Parameters/Master Data (Sales)	Modified
MSL511	Parameters/Master Data (Marketing Campaign)	Modified

Business Process	Description	Change
MWH002	Control Inventory	Modified
MWH010	Receive Material	Modified

Detailed Processes

Business Process	Description	Change
DAM002	Customer Control by Role	Expired
DAM003	Supplier Control by Role	Expired
DAM010	Promotions	Expired
DAR001	Master Data Credit Control	Modified
DCM003	Master Data Cash Management	Modified
DCO510	Parameters (Common)	Modified
DCO003	Company Setup	Modified
DCO080	Prices and Discounts	Modified
DCO083	Item Data and Discounts by Buy-from Business Partner	Modified
DCO084	Promotions	Modified
DCO100	Customer Control by Role	Modified
DCO101	Supplier Control by Role	Modified
DCO510	Parameters (Common)	Modified
DEN001	Determine and set Change over date	Expired
DEN006	Budget Creation	Expired
DEN009	Roll out new component	Expired
DFM010	Freight Planning	Expired
DIT050	Company Data Management	Modified
DIT130	Monitor/Process XM Data	Modified

Business Process	Description	Change
DIT135	Setup/Monitor Factory Track	Modified
DME002	People (Organization)	Modified
DME010	Hours Accounting & Processing	Modified
DMP070	View/Audit Data Authorization and Security	Expired
DPA005	Product Data (Planning/Inventory/Ordering)	Modified
DPA014	Item Group Defaults	Modified
DPB010	Labor Budgets	Modified
DPB101	Set up Cost Accounting Budgets	Modified
DPB104	Integrate Rates/Surcharges	Modified
DPB201	Budget Control Maintenance	Modified
DPB510	Master Data Budget Control	Modified
DPB511	Master Data Cost Accounting	Modified
DPL100	Plan / Allocate Resources	Modified
DPM030	ERP Users Management	Modified
DPM061	Permissions by Business Process	Modified
DPM071	Report DEM Authorization	Modified
DPM080	View/Audit Data Authorization and Security	Modified
DPO007	Intrastat (Master Data)	Modified
DPR003	Contract Agreements	Modified
DPR004	Project Structure	Modified
DPR005	Project Information	Modified
DPR013	Parameters (Project)	Modified
DPR016	Project Cost Peg Transfers	Modified

Business Process	Description	Change
DPR201	Activity Planning	Modified
DPU005	Purchase Contracts	Modified
DPU080	Purchase Contracts	Modified
DPU090	Retro-billing	Modified
DQM006	Instrument Calibration	Modified
DQM010	Receipts (Inspection)	Modified
DRA003	Archive/Delete Project Related Data	Modified
DRA054	Archive/Delete General Ledger Related Data	Modified
DRA225	Tax Israel	Expired
DSE008	Service (organization)	Modified
DSL080	Sales Contract	Modified
DWH003	Goods Shipment (Shipping)	Modified
DWH009	Inventory Adjustment	Modified
DWH010	Inventory Movements	Modified
DWH011	Project Cost Peg Transfers	Expired

Static Conditions

Static Condition	Description	Change
CO3005	Terms and Conditions	Modified
FI1100	Financial Subcontracting (The Netherlands)	Modified
FI5100	Intrastat Reporting (EU)	Modified
FI5200	Sales Listing (EU)	Modified
FI5250	Purchase Listing (EU)	Modified

Static Condition	Description	Change
FI5300	SEPA (EU)	Modified
FI5310	1099 Reporting (US)	Modified
FI5330	DAS2 Reporting	Modified
FI5350	Withholding Tax and GAF File (Israel)	Modified
FI5360	Monthly Billing Invoices (Japan)	Modified
FI5370	Localization (Bulgaria)	Modified
FI5380	VAT Book (Italy)	Modified
FI5390	Customer and Supplier List (Italy)	Modified
FI5400	Spesometro Tax Declaration (Italy)	Modified
FI5410	Localization (Malaysia)	Modified
FI5420	Localization (Russia)	Modified
FI5430	Localization (Poland)	Modified
FI5440	Localization (Czech Republic)	Modified
FI5450	Localization (Slovakia)	Modified
FM0202	Freight Planning for Inbound Goods Flow	Expired
FM0210	Freight Planning for Shipments	Expired
IT0050	Enhanced Authorization Management System (AMS)	Modified
MN4000	Resource Planning for Job Shop Orders	Modified
MN4100	Resource Planning for Manufacturing Projects	Modified
PR1040	Project Invoicing	Modified
PR1087	Constrained based Activity Planning	Modified
PR1125	Infor LN Analytics Cost Ledger	Modified
PR1140	Cost Plus Invoicing	Modified

Static Condition	Description	Change
PR1150	Progress Payment Invoicing	Modified
PU3100	Landed Costs	Modified
PU3300	Retro-Billing	Modified
PU3400	Change Request for Purchase Orders	Modified
PU4010	Terms and Conditions (Purchase)	Modified
PU7010	Change Request for Purchase Contracts	Modified
SL4010	Terms and Conditions (Sales)	Modified