2.60 to 4.0 Feature Enhancements

MICROSOFT® BUSINESS SOLUTIONS–NAVISION® 2.60 TO MICROSOFT® BUSINESS SOLUTIONS–NAVISION® 4.0

The following document describes the enhancements to the 2.60 version that are included in the 4.0 version of Microsoft Business Solutions–Navision. The enhancements are categorized by Granule ID. This will aid partners in the upgrade process when showing customers the new features added to granules they have already purchased. The document can also be used as a guide for those customers upgrading from Navision 2.0, 2.01, Commerce Portal 2.65, Commerce Gateway 2.65, User Portal 2.60, Navision Manufacturing 2.60 and Navision Advanced Distribution 2.50.

General Ledger

3010 BASIC GENERAL LEDGER

VAT functionality has been improved. The prime development goals were to make VAT calculation on sales and purchase documents more transparent and to ensure the reliability of all VAT calculations.

- Rounding on sales/purchase documents is now easier to understand. Values that result in posted values are rounded and displayed in a way that corresponds to the final precision (after posting).

- It is now possible to manually change VAT amounts in journals and on totals per VAT%. The program will check for maximum allowed corrections and provide a log of corrections for VAT authorities.

- It is now possible to define whether or not VAT should be calculated in a journal (for VAT related to the Account No. and Bal. Account No. fields).

- VAT registration numbers are now checked to ensure that they are valid. A user-defined VAT format check has been implemented.

- It is now possible to print the VAT-VIES report without having to manually specify the Sell-to Customer No. field. The program inserts the sell-to/buy-from number automatically on a journal line during posting if the Sell-to Customer No. is not already specified by the user.

- G/L Account Deletion – You can set up a date to restrict the deletion of G/L accounts. If the account has any entries posted after the specified date, you will not be able to delete the G/L Account. You can also set up the program so that G/L accounts used in posting groups cannot be deleted.

- Multiple city names for the same postcode – It is now possible to use the same postcode for more than one city.

- Setup Checklist Wizard – A wizard to help the user set up a company and fill in the related setup and data tables.

Reversal of Journal Postings - Users can automatically create reversal entries to reverse the following:

- Ledger entries created from lines manually entered in journals.

- An entire G/L register of ledger entries created from journal lines.

Related entries, for example VAT entries, are also reversed. There is a clear audit trail linking the journals reversed and the matching reversal entry.

Depending on the functionality that the customer has purchased, the following journals that can be reversed include:

- General Journals

- Cash Receipt Journals
- Payment Journals
- Sales Journals
- Purchases Journals
- Fixed Asset Journals
- Maintenance Journals

3030 BUDGETS
This granule has not changed number or name from 2.60 to 4.0.

The Budget window has been simplified so that the window has the same look and feel as matrix windows elsewhere in the program. Improvements include:

- You can budget in the matrix window by selecting between a combination of G/L account and period. If you have purchased dimensions functionality you can also select a combination of up to four dimensions.
- You can copy budgets from previous periods and revise budget figures using an adjustment factor. If you have purchased dimensions functionality, you can attach an unlimited number of dimensions to a budget entry.
- You can easily export budgets to and import budgets from Excel.
- You can compare budgeted amounts with actual amounts per G/L account and period. If you have purchased dimensions functionality, you can compare budgeted amounts with actual amounts per dimension.

3040 ACCOUNT SCHEDULES
- If the Accounting Periods are of different lengths, it is now possible to compare a period with, for example, the previous period or the same period in the previous fiscal year, in the account schedule.
- Year to date option will now work when fiscal years are of different length.
- Now you have the possibility to include ledger entries made on the closing date just prior to a given period.

3050 CONSOLIDATION
To comply with SFAS52/1AS21 in relation to foreign currency translation, customers can now choose which method to use when translating a specific G/L account from a foreign entity. You simply select the appropriate Consol, Translation Method for each individual G/L account.

Customers can now translate a foreign entity's financial statement using the following methods:

- Average Rate (Manual) – the average rate for the period to be consolidated. You calculate the average either as an arithmetic average or as a best estimate and enter it for each business unit.

- Closing Rate – the rate which prevails in the foreign exchange market at the date for which the balance sheet or income statement is being prepared. You enter the rate for each business unit.
- Historical Rate – the rate of exchange for the foreign currency which prevailed when the transaction took place.
- Composite Rate – the current period amounts are translated at the average rate and added to the previously recorded balance in the consolidated company. This method is typically used for retained earnings accounts because they include amounts from different periods and are thus a composite of amounts translated with different exchange rates.
- Equity Rate - similar to Composite. The posting of the differences will be to separate G/L Accounts.

You can also choose whether the currency exchange rates from the business or the consolidating companies will be used.

If customers want to consolidate using pre-4.0 methods, they can do this by selecting Average Rate (the default) as the Consol. Translation Method for all accounts. This will translate Income Statement Accounts using the Average Rate, Balance Sheet accounts using the Closing Rate and re-state Balance Sheet accounts using the Last Closing rate.

Changed Consolidation File Import/Export foundation - Consolidation files are now in XML format. The TXT format is still supported, letting customers create and import TXT formatted files.

3060 RESPONSIBILITY CENTERS

Extends the multiple location functionality by providing the possibility to handle administrative centers. A responsibility center can be a profit center, investment center or a cost center. It is possible to set up user-specific views to help show only sales and purchase documents related to a particular user as well as a setting. For example, prices for responsibility centers.

3070 XBRL

XBRL reporting capabilities will be included in this release. XBRL is an XML-based specification that uses accepted financial reporting standards based on standardized, underlying data tags to exchange financial reports across all software and technologies, including the Internet.

XBRL offers several key benefits: technology independence, full interoperability, efficient preparation of financial statements and reliable extraction of financial information. Information is entered only once, allowing that same information to be rendered in any form, such as a printed financial statement, an HTML document for the company's Web site, a filing document for submission to government agencies, a raw XML file or other specialized reporting formats, such as credit reports or loan documents.

With XBRL-enabled Navision, you can:

- Import unlimited numbers of taxonomies from public authorities, credit institutions, banks, and so on
- View information attached to taxonomy
- Map taxonomy lines to any combination of general ledger accounts, using standard Navision filters
- View and print out XBRL document file for appraisal before sending

- Export XBRL document that can then be sent as e-mail

XBRL Specification 2 Support - Existing XBRL functionality revised to accommodate the release of XBRL Specification 2 by the XBRL Consortium.

3080 CHANGE LOG

Enables you to log user changes made to Navision master data. It is possible to log all direct modifications a user manually makes to the data in the database. The change log functionality makes it possible to get a chronological list of all manual changes to data in any field in any table and to see who (what user ID) made the changes. It does not record changes to data made by running batch jobs, codeunits or renaming records.

3090 INTERCOMPANY POSTINGS

Intercompany Postings is new functionality that helps customers create and distribute inter-company transactions between multiple Microsoft Navision solutions and across multiple companies.

- Customers can create all the necessary documents – sales and purchase documents, general ledger entries and more – for the entire workflow, for more than one company at a time. Intercompany Postings allows for multiple databases, multiple currencies, different charts of accounts and multiple languages.

- Customers can make the correct due to/due from entries in more than one company, using relevant intermediary accounts. Transactions referring to another set of books within the same group of legal entities can be entered directly in the GL or when entering sales and purchase documents.

Please note that the design of Intercompany Postings is based on journals and allows you to exchange information in journals between different companies. Intercompany Postings is not a consolidation solution.

The target market for Intercompany Postings functionality is businesses with complex business processes and a strong need for a vertical focus. They are frequently businesses in wholesale, manufacturing and those that provide other business services, from super-user to one-person IT staff.

Sales and Receivables

3260 BASIC RECEIVABLES

The application of customer and vendor ledger entries has been improved. The prime development goals were to make customer and vendor ledger entries transaction-based and directly linked to G/L entries.

- To fulfill legal requirements in all countries, it has been necessary to redesign the customer and vendor ledger entries to ensure that posted customer and vendor entries are not altered. Posted customer and vendor ledger entries are now directly linked to the posted entries in the G/L entries, making it much easier to recognize entries from the same document.

- It is now possible to reconcile an earlier Balance at Date at any time because on every document it is possible to see how an amount has been changed with regard to exchange rates and payment discounts.

- If you apply payments and invoices after you have posted them, you can choose the date and document number of the application posting. This allows you to post the application in a later period if it is no longer possible to post to the period in which the application occurred.

Payment Discount Reductions for Credit Memos and Refund Documents

The main goal has been to include payment discount on credit memos. The problem was that if a payment discount had been granted and then the items purchased had been returned and a credit memo created, the payment discount was not taken into account on the credit memo. This has been remedied and these new features are now included:

- The calculation and handling of payment discount on credit memos mirrors that on invoices
- A new document, the Refund document, has been created. This document reflects the negative payment when refunding money to the customer

Reminders

- A minimum amount has been created for reminders
- You can now issue a reminder that takes credit memos and posted interest into account
- A new VAT identifier field has been implemented in the Reminder and Finance Charge tables

Payment Tolerance and Payment Discount Tolerance

- Payment Discount Tolerance - Payment discount tolerance provides a payment discount 'grace period'. It will now be possible to set a tolerance level of several days in order to apply and close the invoice and payment, even if the discounted payment is made later than the payment discount date specified in the payment terms.
- Payment Tolerance - It will now be possible to set a tolerance level (in local or other currency) on an invoice in order to be able to apply and fully close the invoice and payment entries, even if the payment is less or more than the invoice.
- Payment Tolerance - The program allocates payment tolerance amounts across all documents in a multiple document application. You can also specify whether tolerance will be automatically allowed or whether the user can decide on a case-by-case basis.

General Improvements

- Statement Report – Gives you the option to add an aging band to the customer statement. The report also presents historical information.
- Aged Accounts Receivable report – Provides an alternative layout to the existing Summary Aging Reports.
- EC Sales List report – provides a list of sales to EU countries as required by local authorities.
- Customer Sales List report – Lists customers with total LCY sales for the specified period above a predefined minimum.
- Customer Payment Receipt report – Enables you to print a report confirming receipt of a customer payment and shows the documents to which the payment was applied (if any).

- Customer Trial Balance reports – Shows the customer debit and credit net change during a specified period and the current fiscal year (grouped by Posting Group).

- Blocking of Customers – It is now possible to select different levels of blocking for customers. The different levels determine the transactions that can be performed with that customer.

Improved flexibility in Applying Cash Receipts (Partial Payments) - Microsoft Navision 4.0 provides the ability to decide how a payment is applied, which gives greater flexibility in using the solution. This includes:

- Selecting the specific amount to apply to individual documents in a multiple document application

- Viewing information about both the applying entry and the application in a single form

- More detailed information about the amounts that will be posted to the GL prior to posting such as payment discounts and rounding amounts.

Unapply

- It's possible to reverse all postings and changes related to an application of customer ledger entries. Unapplied entries are set as open entries so that they can be applied again correctly.

3270 SALES INVOICING

Standard Sales Codes - It is now possible to set up standard or default sales document lines, including quantities, for a customer. This minimizes the data entry required for those customers with standard repetitive invoices. You enter the customer number in a sales document and select the standard sales code to retrieve for the customer. The program then fills in the sales document lines based on the code selected.

Information Pane on the Sales Invoice – A new pane containing:

- Instant access to and a good overview of the customer's sales history, available credit and shipping and contacts information.

- Information about item availability, substitutes, prices and discounts are contained in a single view, which makes it easy to provide quick answers to customer questions.

- Invoice entry is expedited through, for example, a "copy to document" function directly from the sales history window.

3280 SALES ORDER MANAGEMENT

Information Pane on the Sales Order – A new pane containing:

- Instant access to and a good overview of the customer's sales history, available credit and shipping and contacts information.

- Information about item availability, substitutes, prices and discounts are contained in a single view, which makes it easy to provide quick answers to customer questions.

- Order entry is expedited through, for example, a "copy to document" function directly from the sales history window.

3320 ORDER PROMISING

This granule was new in 3.01 and has not changed number or name from 3.01 to 4.0.

The Order Promising feature helps sales and purchase personnel calculate if a requested delivery date can be met. The two flows of receiving and delivering are linked through the available-to-promise and capable-to-promise feature that helps identify when the goods are available in the inventory. On the sales side, the order promising helps to better serve the customer, and, on the purchase side, to assist the purchaser to determine when to purchase.

- Order Promising calculates the earliest possible date that an item on a sales order line can be shipped and delivered. The system operates with two concepts, ATP (available to promise) and CTP (capable to promise). ATP is the uncommitted portion of a company's inventory and planned production, purchase and transfer. CTP is used to perform “what-if” scenarios.

- If the Finite Loading granule is present, the load on the capacity constrained resources is taken into account. For manufactured items, the availability of the component is also taken into account. A multilevel check is done if the components are subassemblies.

- The system will calculate the latest shipment and picking dates based on the delivery date as well as the delivery time to customer and internal handling time. The functionality will help the user to make faster and more accurate decisions. In addition, it is possible to set up shipping agents and to relate their services to the actual shipping time.

You must purchase Granule 3280 Sales Order Management, Granule 3360 Calendars and Granule 4010 Basic Inventory before you can use this granule.

3350 SALES ORDER RETURN MANAGEMENT

This granule allows you to create a sales return order, to compensate a customer for wrong or damaged items. Items can be received against the sales return order. It is possible to do partial return receipt and to combine return receipts in one credit memo. With this granule you can link sales return orders with replacement sales orders. People responsible for handling returns can enter information relevant to further handling of the returned inventory.

You must purchase Granule 3280 Sales Order Management and Granule 4010 Basic Inventory before you can use this granule.

3360 CALENDARS

The calendar functionality helps companies to retain their customers by promising reliable delivery dates. This functionality is mainly used for customers, namely on sales orders and when running order promising, but it can also be used internally and for vendors.

With this functionality, it is possible to create several base calendars (specifying working and non-working days) and to designate them to customers, vendors, locations, company, shipping agent services and the service management setup. For each customer, vendor, location and so on, it is only possible to make exceptions relevant for this customer, vendor, location and so on.

If non-working days have been defined, those days will be taken into consideration in the date calculations on sales orders, purchase orders, transfer orders, production orders, service orders and on the Requisition Worksheet and Planning Worksheet.

You must purchase Granule 4010 Basic Inventory before you can use this granule.

3370 SALES LINE DISCOUNTING

This granule allows you to specify sales line discounts for individual customers or manage general sales line discounts for groups of customers (or all your customers).These can include specific items and/or groups of items. Sales line discounts are based on a discount percentage. With a line discount, you negotiate the percentage that the customer or customer discount group will get as a discount.

Sales line discounts can be managed by period of validity, thereby making it readily visible whether the item is sold for the right price. Sales line discounts can either be set up for one occurrence or as a recurring agreement. As long as the terms of the agreement stay constant, you can let seasonal agreements automatically start and end based on the specified date range.

Easy maintenance is provided by allowing the user to:

- Apply a sales line discount to more than one customer.
- Simulate a sales line discount before it is implemented.
- Trace how a sales line discount was calculated.

You must purchase Granule 3270 Sales Invoicing and Granule 4010 Basic Inventory before you can use this granule.

3380 SALES LINE PRICING

This granule allows you to specify sales prices for individual customers or manage general sales prices for groups of customers (or all your customers).These can include specific items and/or groups of items. Sales prices are based on a monetary value. With a sales price, you negotiate the actual prices with the customer or customer price group.

Sales prices can be managed by period of validity, thereby making it readily visible whether the item is sold for the right price. Sales prices can either be set up for one occurrence or as a recurring agreement. As long as the terms of the agreement stay constant, you can let seasonal agreements automatically start and end based on the specified date range.

Easy maintenance is provided by allowing the user to:

- Apply a sales price to more than one customer.
- Simulate a sales price before it is implemented.
- Trace how a sales price was calculated.

You must purchase Granule 3270 Sales Invoicing and Granule 4010 Basic Inventory before you can use this granule.

Purchases and Payables

3510 BASIC PAYABLES

The application of customer and vendor ledger entries has been improved. The prime development goals were to make customer and vendor ledger entries transaction-based and directly linked to G/L entries.

- To fulfill legal requirements in all countries, it has been necessary to redesign the customer and vendor ledger entries to ensure that posted customer and vendor entries are not altered. Posted customer and vendor ledger entries are now directly linked to the posted entries in the G/L entries, making it much easier to recognize entries from the same document.

- It is now possible to reconcile an earlier Balance at Date at any time because on every document it is possible to see how an amount has been changed with regard to exchange rates and payment discounts.

- If you apply payments and invoices after you have posted them, you can choose the date and document number of the application posting. This allows you to post the application in a later period if it is no longer possible to post to the period in which the application occurred.

Payment Discount Reductions for Credit Memos and Refund Documents

The main goal has been to include payment discount on credit memos. The problem was that if a payment discount had been granted and then the items purchased had been returned and a credit memo created, the payment discount was not taken into account on the credit memo. This has been remedied and these new features are now included:

- The calculation and handling of payment discount on credit memos mirrors that on invoices

- A new document, the Refund document, has been created. This document reflects the negative payment when refunding money to the customer.

Payment Tolerance and Payment Discount Tolerance

- Payment Discount Tolerance - Payment discount tolerance provides a payment discount 'grace period'. It will now be possible to set a tolerance level of several days in order to apply and close the invoice and payment, even if the discounted payment is made later than the payment discount date specified in the payment terms.

- Payment Tolerance - It will now be possible to set a tolerance level (in local or other currency) on an invoice in order to be able to apply and fully close the invoice and payment entries, even if the payment is less or more than the invoice.

- Payment Tolerance - The program allocates payment tolerance amounts across all documents in a multiple document application. You can also specify whether tolerance will be automatically allowed or whether the user can decide on a case-by-case basis.

General Improvements

- Aged Accounts Payable report – Provides an alternative layout to the existing Summary Aging Reports.

- Vendor Purchase List report – Lists vendors with total LCY purchases for the specified period above a predefined minimum.

- Vendor Payment Receipt report – Enables you to print a report that displays the vendor ledger entries that a payment has been applied to.

- Vendor Trial Balance reports – Shows the vendor debit and credit net change during a specified period and the current fiscal year (grouped by Posting Group).

- Blocking of Vendors – It is now possible to select different levels of blocking for vendors. The different levels determine the transactions that can be performed with that vendor.

Improved flexibility in Applying Cash Payments (Partial Payments) - Microsoft Navision 4.0 provides the ability to decide how a payment is applied, which gives greater flexibility in using the solution. This includes:

- Selecting the specific amount to apply to individual documents in a multiple document application

- Viewing information about both the applying entry and the application in a single form

- More detailed information about the amounts that will be posted to the GL prior to posting such as payment discounts and rounding amounts.

Unapply

- It's possible to reverse all postings and changes related to an application of vendor ledger entries. Unapplied entries are set as open entries so that they can be applied again correctly.

3520 PURCHASE INVOICING

Standard Purchase Codes – It is now possible to set up standard or default purchase document lines, including quantities, for a vendor. This minimizes the data entry required for those vendors with standard repetitive invoices e.g.: electricity, telephone and heating invoices or repetitive item purchases. You enter the vendor number in a purchase document and select the standard purchase code to retrieve for the vendor. The program then fills in the purchase document lines based on the code selected.

3550 REQUISITION MANAGEMENT

Integration of Multiple Locations in the planning Calculations

- The multiple location structure is included in the materials planning engine. Companies that are spread over different geographical areas benefit from multiple-location planning. Companies with several locations need to plan not only manufacturing orders, but also transfer -, service - and purchase orders. This is what multiple-location planning solves.

- The planning system calculates individual plans according to the individual inventory and planning parameters defined by the Stockkeeping Unit (SKU). When the planning system analyzes the supply and demand pattern at a specific location and/or a variant of the item, it uses the planning parameters from the SKU identified by the item, the location and/or the variant. As an alternative to replenishment by purchase or production, the SKU can state that replenishment will happen by transfer from another location stated at the SKU.

Integration of Blanket Orders in the planning calculations

- Blanket orders are long-term sales contracts against which short-term releases will be generated to satisfy requirements. Integration of blanket orders into the planning calculations will help companies take part in supply chain collaboration or JIT contracting for bigger companies. The planner will achieve more accurate forecasts for planning purposes and the sales personnel will benefit from easier order management.

Integration of Service Orders in the planning calculations

- Any company with field service and maintenance of customers, along with supply planning against them, will require service orders to be planned against. While in some cases spare parts are standard and are planned against using forecasts, other parts might be so special that they require custom planning for that individual customer.

- With the integration of service orders in the supply planning system, that demand will be treated as normal demand. There will be no need to hand-carry that demand through the company's supply chain. This includes solving the need to give promises to the customer, reserve special demand for that customer, and plan against variations in service requirements versus forecasted plans.

Improved handling of planning parameters

- The interpretation of the Maximum Inventory and Reorder Point parameters has been changed to comply with the standards within Material Requirements Planning. This means that when stocks pass the reorder point, the system will place an order to cover the difference between the actual stock and the maximum level as indicated in "Maximum Inventory" on the item.

- The stock value used when handling Maximum Inventory and Reorder Point will include all items on inventory at the specific point of time, meaning that also stocks which are not available - due to reservations – will be taken into account.

- Item requisition information is now entered directly on the planning and replenishment tabs of the item card.

3570 PURCHASE ORDER RETURN MANAGEMENT

This granule allows you to create a purchase return order, to compensate your own company for wrong or damaged items. Items can be picked from the purchase return order. It is possible to do partial return shipments and to combine return shipments in one credit memo. With this granule you can link purchase return orders with replacement purchase orders.

You must purchase Granule 3530 Purchase Order Management and Granule 4010 Basic Inventory before you can use this granule.

3580 PURCHASE LINE DISCOUNTING

This granule allows you to specify purchase line discounts for individual vendors. These can include specific items and/or groups of items. Purchase line discounts are based on a discount percentage. With a line discount, you negotiate the percentage that the vendor will give your company as a discount.

Purchase line discounts can be managed by period of validity, thereby making it readily visible whether the item is purchased for the right cost over time. Purchase line discounts can either be set up for one occurrence or as a recurring agreement. As long as the terms of the agreement stay constant, you can let seasonal agreements automatically start and end based on the specified date range.

Easy maintenance is provided by allowing the user to:

- Simulate a purchase line discount before it is implemented.
- Trace how a purchase line discount was calculated.

You must purchase Granule 3520 Purchase Invoicing and Granule 4010 Basic Inventory before you can use this granule.

3590 PURCHASE LINE PRICING

This granule allows you to specify purchase prices for individual vendors. These can include specific items and/or groups of items. Purchase prices are based on a monetary value. With a purchase price, you negotiate the actual prices with the vendor.

Purchase prices can be managed by period of validity, thereby making it readily visible whether the item is purchased for the right cost over time. Purchase prices can either be set up for one occurrence or as a recurring agreement. As long as the terms of the agreement stay constant, you can let seasonal agreements automatically start and end based on the specified date range.

Easy maintenance is provided by allowing the user to:

- Simulate a purchase price before it is implemented.
- Trace how a purchase price was calculated.

You must purchase Granule 3520 Purchase Invoicing and Granule 4010 Basic Inventory before you can use this granule.

Inventory

4010 BASIC INVENTORY

Cost Structures and Components

To get a better overview of what makes up the cost of the product, the solution now comes with cost components. Cost components could be either:

- Direct cost - Direct costs of material and manufacturing related to those materials. For manufacturing purposes, direct cost is further divided into material and labor cost share. Direct costs can further be split-up into what we call item charges: including freight and insurance or any type of costs related to receiving the item.
- Indirect cost - Indirect costs of material – being overheads both on the material and labor side – can be entered for standard costing purposes, posted and analyzed.
- Variance - Variance between standard costs and actual costs can be analyzed both on direct and indirect costs (when it comes to overhead costs). You only use variance when you use standard costing on materials. Differences between actual costs (including cost charges) and standard costs are posted to variance accounts, while standard costs change the value of COGS and inventory for the item.

- Revaluation - Cost changes as a cause of revaluation are posted in the system with separate cost types. This makes it easier to review the effect of revaluation for analysis purposes. These postings are traceable for later auditing.

- Rounding - Whenever the solution finds a need to record rounding residuals, these are also posted automatically. Rounding problems in Navision have been eliminated and postings are traceable for later auditing.

Cost Traceability and Rollback

The costing structure in Navision is designed to accurately track cost changes. The system uses the date of the posting for the costing and no longer uses the time of the posting. You are no longer forced to post costs in sequence. Instead, post them when you're ready and the system will automatically roll the cost structure back to the right cost. You can see how costs have changed with direct drilldown capability on the average cost field in the item card. An item value entry carefully logs and records every change in the cost of the individual entries. This goes for both purchase with later freight costs, revaluation back in time, roll-up of manufacturing costs through the bills of materials and adjusting the Cost of goods sold even though you already sold the item to a customer.

Cost Revaluation

With Navision, you can revalue every cost type, whether you do actual costing, average or standard costing. The revaluation journal suggests the items and their current costs and allows you to change those costs directly. After posting and cost adjustment, the system records the revaluation entries for document purposes. The revaluation includes work-in-process. Even though it's January 20, and need to adjust the inventory from January 1, you can do so. And that is without stopping the company from making transactions in your solution. Everyone can work on, consuming and distributing goods, even though you make your back-in-time revaluation.

Manufacturing Costing foundation changes

- Terminated the following journal lines and entries
    - Consumption Journal Line
    - Capacity Journal Line
    - Output Journal Line
    - Production Order Ledger Entry
    - Finished Production Order Ledger Entry
    - Machine Center Ledger Entry
    - Work Center Ledger Entry
- Introducing the Capacity Ledger Entry
- Moving information from terminated entries to:

- Item Ledger Entry
- Value Entry
- Capacity Ledger Entry

Test Report for Inventory Value Calculation - Allows testing preconditions for the inventory value calculation (including standard cost calculation).

Report Enhancements - The Inventory Valuation - WIP report now includes capacity cost.

Undo Quantity Posting

Today, the system requires that a quantity posted as received/shipped must also be invoiced. In some situations this is not desirable, for example, if the wrong quantity has been posted as received/shipped. It could also be that a quantity received is later rejected by an internal inspection, then the user must invoice the purchase order and post a corrective purchase credit memo in order to update inventory value and availability. The Undo Quantity Posting functionality allows the user to undo a quantity posting, while creating the necessary audit trail and reversing cost exactly.

Reconciliation Traceability

Inventory and G/L are reconciled by creating G/L entries based on the value information stored in value entries. As no direct relationship exists between G/L and value entries, it can be difficult to determine exactly what value entry initiated the creation of a G/L entry. Also, the fact that value information on value entries is allowed to change when running the Adjust Cost – Item Entries batch job creates problem when comparing balances in inventory and G/L for different dates. The importance of having this traceability is basically a matter of making the user confident with the way the system works. Reconciliation can be a complicated matter with a lot of postings, but making the user able to verify specific postings creates confidence regarding the total number of postings. With the reconciliation traceability functionality, the cost adjustment will not modify value entries – new entries are inserted instead.

4040 MULTIPLE LOCATIONS

Multiple locations provides the ability to handle inventory and planning across multiple locations (for example, warehouses, plants service cars etc.) from a single database, facilitating a complete, real-time overview of the whole of your business.

4045 STOCKKEEPING UNITS

A Stockkeeping Unit (SKU) is defined as an item at a specific location and/or as a variant. With SKUs, companies with multiple locations are able to add replenishment information, addresses, and some financial posting information at the location level.

You must purchase Granule 4040 Multiple Locations before you can use this granule.

4100 LOCATION TRANSFERS

Location Transfers enables accurate tracking of inventory from one location to another. Transfer orders are included in the planning calculations to plan the physical movement of items from one location to another. When you want to transfer items, you create a transfer order containing a line for each inventory item that is being transferred. When the inventory is shipped from the source location, it is considered to be in transit until it is received at its destination. In this way, a transfer order is a document you use to monitor your transfer operation.

You must purchase Granule 3520 Purchase Invoicing and Granule 4010 Basic Inventory before you can use this granule.

4110 ITEM SUBSITITUTIONS

Item Substitutions helps sales personnel offer customers a substituting product whenever the one that is requested is not in inventory. It can also be used for offering alternative products while taking the order. This you do to offer similar items in a variety of styles, brands and price categories.

You must purchase Granule 3280 Sales Order Management and Granule 4010 Basic Inventory before you can use this granule.

4120 ITEM CROSS REFERENCES

Item Cross-Reference assists sales or purchase personnel whenever they enter an order to instantly cross-reference any vendor, customer or internal code and find the corresponding item numbers used by customers and vendors. It supports numbers for customers, vendors, and manufacturers, as well as universal product codes (UPCs) and European article numbers (EANs).

You must purchase Granule 3280 Sales Order Management and Granule 4010 Basic Inventory before you can use this granule.

4130 NONSTOCK ITEMS

Nonstock orders give you the ability to offer items that are not part of the standard inventory but that can be ordered from a vendor or manufacturer. Such items are registered as nonstock items but are otherwise treated like any other item without making any difference to the customer.

You must purchase Granule 3280 Sales Order Management and Granule 4010 Basic Inventory before you can use this granule.

4140 ITEM TRACKING

Item Tracking helps customers control items through serial numbering and lot tracking. This is essential for visibility, quality control and the reduction of errors.

- Serial and lot numbers can be assigned manually or automatically. The tracking system provides information about each individual serial - or lot number – when it was received, what the cost was, which customer bought it and when, and so on.

- The feature allows the receipt and shipping of multiple-quantities with serial/lot numbers from a single order line entry. It also helps you manage warranty and expiry dates.

Integrating Reservations and Item Tracking

- Reservation and Item Tracking has now been integrated, thereby removing previous conflicts and making reservation against Serial and Lot No. possible.

You must purchase Granule 3280 Sales Order Management, Granule 3530 Purchase Order Management and Granule 4010 Basic Inventory before you can use this granule.

4140 ITEM CHARGES

The item charge granule gives the customer the possibility to include the value of additional cost components into the unit cost or unit price of an item. Such cost components can for example be freight, insurance, or other costs related to the item. The granule has been called Item charge (and not additional or landed cost) because you can add any kind of charges to both sales and purchased items. With this granule you will:

- Know the landed cost of an item in order to make more accurate decisions on how to optimize the distribution network.
- Be able to break-down the unit cost / unit price of an item for analysis purposes.
- Be able to include purchase allowances into the unit cost and sales allowances into the unit price.
- Assignment of Non-Inventoriable Cost – The system can now account for important cost components, such as cost of freight-out. Another example could be accounting for the usage of vendor-owned inventory. A special scenario is the resale-minus agreement. This is an agreement whereby a sales office, part of a larger organization, doesn't own their inventory, but gets billed a fixed percentage of the resale price whenever they sell something. With the improved item charge functionality, the system supports the assignment of non-inventoriable cost to outbound entries.

You must purchase Granule 4010 Basic Inventory before you can use this granule.

4160 CYCLE COUNTING

Cycle counting is a basic method of verifying inventory record data. It is used to maintain and increase inventory accuracy. Cycle counting is set up on item or SKU level. Cycle counting is available as a basic granule, which means that it can be used with or without WMS.

You must purchase Granule 4010 Basic Inventory before you can use this granule.

4170 BIN

You use this granule to organize your warehouse by assigning items to bins, the smallest unit in the warehouse logical structure. This is done on the item journals or directly on the document lines (does not only apply to order lines).

This granule is free when a customer purchases 4,620 Warehouse Management Systems and requires that you have purchased Granule 4040, Multiple Locations.

4180 PUT AWAY

You use this granule to enable your warehouse employees to carry out their dedicated tasks. This is done from a separate user interface when receiving items in an order-by-order environment. Here the put away is created from the released order.

You must have purchased Granule 4010 Basic Inventory to use this granule.

4190 WAREHOUSE RECEIPT

You use this granule to enable your warehouse employees to carry out their dedicated tasks. This is done from a separate user interface when receiving items in a multi-order environment. Here the put away is created from the receipt.

You must have purchased Granule 4010 Basic Inventory to use this granule.

4200 PICK
You use this granule to enable your warehouse employees to carry out their dedicated tasks. This is done from a separate user interface when shipping items in an order-by-order environment. Here the pick is created from the released order.

You must have purchased Granule 4010 Basic Inventory to use this granule.

4210 WAREHOUSE SHIPMENT
You use this granule to enable your warehouse employees to carry out their dedicated tasks. This is done from a separate user interface when shipping items in a multi-order environment. Here the pick is created from the shipment.

You must have purchased Granule 4010 Basic Inventory to use this granule.

4220 STANDARD COST WORKSHEET
The standard cost worksheet is an efficient tool for companies who are to carry out the periodic task of reviewing and updating standard costs. The worksheet allows them to work with standard cost updates in a similar way as they would do in, for example, an Excel spreadsheet, but within the framework of the application.

By providing an overview of the current standard costs, the worksheet becomes a convenient space where the preparation for cost update can take place without taking immediate effect in the system. This preparation that usually starts from cost updates for both the purchased components and capacity can be carried out using different sorting criteria in several worksheets simultaneously with the possibility of consolidating them into one. Simulating the effect on the cost of the manufactured item due to changes in components and/or capacity usage cost in the worksheet represents an efficient way of getting a required overview and helps ensure that many potential errors are identified and avoided.

The facility to execute the changes at a given date and to ensure that any revaluation resulting from cost changes is dealt with in the system is the cornerstone of the standard cost worksheet. This will provide a company's controllers with a reliable and efficient means to maintain accurate and up-to-date inventory costs.

You must have purchased Granule 4010 Basic Inventory to use this granule.

4230 ANALYSIS REPORTS
Sales and Purchase Analysis Reports

Analysis reports enables users to create customized reports based on records of their posted transactions, for example, sales, purchases, transfers and inventory adjustments. In a customizable report, the source data, which is derived from the item ledger (with associated value entries), can be combined, compared and presented in meaningful user-defined ways. In this sense, the analysis report is very similar to a PivotTable report in Microsoft Excel.

For example, customers can create a personalized report that focuses on their key customers in terms of total turnover both in amounts and quantities sold, gross profit and gross profit percentage during the current month, and have it compare those figures with the results from previous months or the same month last year, and calculate deviations. All this can be done in one and the same view, with the possibility to navigate to the cause of identified problem areas by drilling down to the level of individual transactions.

The look and feel of the Sales and Purchase Analysis Reports is similar to the Account Schedule features offered in the General Ledger area of Navision.

Sales and Purchase Analyses by Dimensions

Enables users to analyze Sales Amount, COGS, Purchase Cost and item sales and purchase quantities. You can:

- Quickly change the information to show in the columns and lines in the analysis.
- Analyze on specific items and periods.
- Analyze on specific customers and vendors (Requires Granule 3260 and/or 3510)
- Analyze on specific locations (Requires Granule 4045)
- Analyze on dimensions (Requires at Granule 4760 as a minimum).
- Export your analysis to Microsoft Excel.

The look and feel of the Sales and Purchase Analyses by Dimensions is similar to the Analysis by Dimensions features offered in the General Ledger area of Navision.

You must purchase Granule 4010 Basic Inventory before you can use this granule.

4240 ITEM BUDGETS

Item Budgets enables users to create Sales and Purchase Budgets. Sales and Purchase Budgets:

- Can be entered in terms of monetary values (Sales, COGS, Cost) and Quantities.
- Can be created for specific items and periods.
- Can be exported to and imported from Microsoft Excel.
- Can be created for specific customers and vendors (Requires Granule 3260 and/or 3510)
- Can be created for specific dimensions (Requires at Granule 4760 as a minimum).

The look and feel of the Sales and Purchase Analyses by Dimensions is similar to the G/L Budget features offered in the General Ledger area of Navision.

You must purchase Granule 4010 Basic Inventory before you can use this granule.

Cash Manager

5010 BANK ACCOUNT MANAGEMENT

SWIFT and IBAN Bank Information – You can now add these to the Company Information form and all company, customer and vendor bank accounts in the program.

Application Wide Functionality

4760 BASIC DIMENSIONS (FORMERLY DEPARTMENTS AND PROJECTS IN NAVISION 2.XX)

New dimensions functionality adds a great deal of new capabilities to the 3.01 version. The two dimensions, department and project, have been removed from the program. These were replaced by two “global” dimensions that the user could define without partner customization. A range of new functionality supports dimensions:

Flexible Dimension Setup

- Dimension setup is independent of your Chart of Accounts, so new dimensions are easily added.
- Hierarchical relationships can be created within dimensions, so you use the same dimensions for both financial accounting and reporting.
- Dimensions are easily entered on journals and sales and purchase documents by since Global Dimensions are automatically set up as shortcut dimensions.

Business Rules

- Default dimensions on accounts are extended so that default dimensions can be set up per single account or groups of accounts.

4780 ADVANCED DIMENSIONS

In addition to the 2 global dimensions in the Basic Dimensions Granule, the user could set up an unlimited number of additional company-defined dimensions and dimension values. The Advanced Dimensions granule also offers the following additional functionality to support the dimensions:

Flexible Dimension Setup

- In addition to the 2 Global Dimensions, you can choose 6 additional dimensions as shortcut dimensions.

Business Rules

- Dimension combinations can be excluded or restricted to mirror company procedures and practices.
- Default dimensions on accounts are extended so that default dimensions can be set up for entire account types.
- You can prioritize which default dimensions will be posted if a conflict arises between suggested dimension values for the same dimension.

Analysis Capabilities

- Analysis views gather and allow you to view database information about dimensions on G/L entries and budgets, based on company-defined criteria. Using the analysis view, you can filter and manipulate entries, compare them to budgeted figures, and drilldown to investigate relationships.

- Account Schedule can be based on G/L entries from a selected analysis view and the results immediately exported to Excel for visual representation.

- Included in the feature are two new reports for producing dimensions information at the detail and total level.

You also have the possibility to export the information displayed in the Analysis by Dimensions form to Excel. Navision automatically creates a pivot table displaying the information allowing further analysis in Excel.

You must purchase Granule 4760 Basic Dimensions before you can use this granule.

Fixed Assets

5260 BASIC FIXED ASSETS

Fixed Assets improvements have been made to the user interface and workflow, and a number of errors have been corrected using suggested solutions where possible. Specific improvements are:

- It is now possible to sell a fixed asset from a sales invoice.

- The Fixed Asset Depreciation Book for an asset is now displayed in the bottom of the Fixed Asset card.

- The depreciation method Half-Year Convention has been implemented.

- You can create new fixed asset cards by copying an existing fixed asset card.

- You can copy information from fixed asset entries to a G/L Budget using the FA Posting Group accounts. Alternatively, you can create new G/L Budget entries when you run the Fixed Asset – Projected Value report.

- Fixed Asset Acquisition List report – Provides a list of all acquisitions during a specified period. You can also choose to include assets that have been created but have no acquisition entries posted.

Jobs

4510 BASIC JOBS

Jobs WIP and Job Income Recognition batch jobs – You can now print or preview a report from these batch jobs without posting to the ledger.

Marketing and Sales

5110 CONTACT MANAGEMENT

As part of Contact Management, profiling allows you to characterize your contacts on a personal level as well as on a company level, based on your own criteria. For example, you could specify your contact's preferred language, hobbies and interests. On a company level you could enter any information that is important for you to know. All this can be used later for creating very specific segments.

Quotation to Contacts - Quotes can be issued to prospects and sales documents can be created for specific contact people.

5120 CONTACT CLASSIFICATION

This feature enables you to classify your customers according to revenue or other criteria. You can define segments on these characteristics and use them for campaign purposes.

You must purchase Granule 5110 Contact Management before you can use this granule.

The granule allows you to segment customers into A, B, and C customers based on questionnaire weights. It is also possible to cross-classify customers, meaning that the weights of two questions will identify the value of a third question.

5130 CAMPAIGN MANAGEMENT

With the segmentation feature, you can create new segments and reuse existing ones for the purpose of making marketing campaigns. You can also, for example, specify whether or not you want these segments updated every time new information on the contact is entered, or you can 'freeze' the group for follow-up activities. It is also possible to dynamically execute mail merges for identified segments with Microsoft Word documents or even e-mails campaigns using Outlook.

Contact Salutation and Multilanguage Attachments - The same document template can be used to send a document to people of different nationalities in their native language. Salutation formulas in different languages can be set up and used with a standard document in the right language.

You must purchase Granule 5110 Contact Management and Granule 3780 Salespeople/Purchasers before you can use this granule.

5140 OPPORTUNITY MANAGEMENT

This granule helps you to keep track of sales opportunities. Your salespeople have an overview of what's in the pipeline and can plan ahead accordingly. Opportunity Management can also help you to break up your sales process into different stages.

You must purchase Granule 5110 Contact Management, Granule 5150 Task Management and Granule 3780 Salespeople/Purchasers before you can use this granule.

5150 TASK MANAGEMENT

You use this granule to organize the tasks related to your sales and marketing activities. You can create to-do lists for yourself and assign tasks to other users or teams of users. You can create automatically recurring to-dos and activities consisting of several to-dos.

The to-do and interaction log are linked so that it becomes easier to have a closed loop of to-dos. There is no need to have a contact for every to-do, which makes it possible to create internal to-dos.

You must purchase Granule 5110 Contact Management and Granule 3780 Salespeople/Purchasers before you can use this granule.

5160 INTERACTION/DOCUMENT MANAGEMENT

Microsoft Word Integration

- This granule provides integration of Microsoft Word with Microsoft Business Solutions–Navision. This makes it easy to look up a contact and launch Microsoft Word using a given template in order to write, for instance, a letter. Basic information can then be transferred from Navision to the Microsoft Word document.

Interaction log

- The interaction log gives you an instant overview of all your interactions. Some entries are logged automatically; these are typically business documents generated by Navision, for example, invoices and payment reminders. Other interactions are logged manually, for example, Microsoft Word documents, meetings and telephone conversations.

Telephony Application Programming Interface (TAPI)

- Navision integrates to Microsoft TAPI. Using TAPI-compliant telecom devices, it is possible to dial a contact's number simply by clicking a button in Navision.

Document Logging - Navision can automatically record interactions when other actions in Navision are performed. All Navision documents that are sent to contacts, like sales orders or quotes, can be logged and retrieved at a later stage from a document archive.

Postponed Interaction Log Entries - the possibility to save an interaction during the process and later reopen and continue.

You must purchase Granule 5110 Contact Management and Granule 3780 Salespeople/Purchasers before you can use this granule.

5170 CONTACT SEARCH

This search functionality extends the usability of our solution as it becomes possible to search for all information related to a specific contact – for example, an opportunity, a contact address, or even comments on this contact. We have introduced fuzzy logic in this feature to make the search overcome misspelling.

You must purchase Granule 5110 Contact Management before you can use this granule.

5180 EMAIL LOGGING FOR MS EXCHANGE

You use this granule to log all email correspondence. You can log inbound and outbound emails sent through Navision or Outlook and you can even set-up the program to log automatically or manually in Navision. The solution is server based and requires Microsoft Exchange Server (min. version 5.5 with service pack 4) in order for you to keep emails in their natural environment and thereby ease your administration.

You must purchase Granule 5110 Contact Management and Granule 5160 Interaction/Document Management before you can use this granule.

5190 OUTLOOK CLIENT INTEGRATION

You use this granule to synchronize your to-dos and your contacts in with meetings, tasks and contacts in Microsoft Outlook. You can create, update, cancel and delete in one program and the other program is automatically synchronized. You can also use this granule when you need access to information or even update information when working offline. This is due to a batch job that you can run when you are online again.

Features include:

- Multiple Meeting Participants - In Microsoft Navision, it is now possible to register information regarding all meeting attendees on To-dos. Both contacts and salespeople can be registered as attendees to a particular meeting, with no limit to the number of participants. This improvement is valid regardless of whether the customer has Outlook Integration or not.

- Improved Calendar Integration - It is possible to fully synchronize the attendee's information between Microsoft Navision and Outlook.

- Look up from Microsoft Navision to Related Outlook Item - It is possible to open up the corresponding Outlook item (Contact/Task/Meeting) from the corresponding Microsoft Navision form (Contact/To-do).

- Look Up from Outlook to Microsoft Navision - It is possible to open up a specific Microsoft Navision record from the corresponding Outlook Item. A new toolbar with an Open Microsoft Navision Contact (or Open Microsoft Navision To-do) button is automatically created in Outlook.

- Optimized Synchronization - The synchronization mechanism has been optimized. The synchronization will still run in the background when Outlook has been closed. We are able to synchronize correctly in case the user deletes all the Outlook items in a specific folder.

- Digital Security Certificate

- Two-way synchronization of all fields.

- Grouping Outlook tasks

- Synchronization of Team to-dos/restructuring of Team to-dos.

You must purchase Granule 5110 Contact Management, Granule 5150 Task Management and Granule 1400 User IDs and Passwords before you can use this granule.

Service Management

Service Management was a new module for 3.01. The granules were restructured and renumbered in 3.60 and have not changed name or number since then.

5911 SERVICE ORDER MANAGEMENT

To many service organizations the management of service orders is key to their business. In CRM – Service, service order management is made easy and accommodating.

Service Request Handling:

- Quotations. Many service organizations treat service order quotes separately from actual service orders. This business need is supported in CRM – Service. It is of course possible to convert the quotes to actual service orders subsequently.

- Preventive maintenance service orders. In CRM – Service, service requests don't have to be initiated by the customer, they can also be generated by contractual obligations, for example.

- Reactively generated service orders. A reactive service request, either by existing customers or on a one-off basis from walk-up customers, is supported by an efficient service request process.

Service Item Worksheet:

- An effective tool for services performed is delivered through the service item worksheets in CRM – Service. The feature enables the technician to enter the spare parts used and time spent to resolve the service issue. The information entered here make up the basis for the invoicing.

Fault and Resolution Management:

- A flexible tool for managing fault and resolution classifications are incorporated in CRM – Service. This gives service organizations the benefit of a structured management approach without imposing certain work routines on them. Industry wide standard fault and resolution management approaches are also supported by CRM – Service.

Loaner Management:

- Management of equipment loaned to customers during a service process is supported in CRM – Service, thus supporting service organizations in delivering superior customer service.

Service History:

- A complete history of the changes made to a service order is available in CRM – Service.

Skills management:

- In CRM – Service, it is possible to set up and manage the correlation of resource skills and service item types, so service organizations always know which technicians are skilled for servicing certain equipment types.

Customer template improvement - We have implemented the new customer template functionality from CRM – Marketing & Sales, which allows for a more structured approach to template-based customer creation.

Replace Working Calendars with Base Calendars features - We have implemented new base calendar functionality in the application so that the same calendar can be used throughout Navision.

It is possible to:

- Have a different number series associated to service quotes and service orders respectively.
- Specify both the quantity used and the quantity to be charged to the customer on service orders to make the invoice handling more flexible.
- Have quantity discounts on service orders.
- The ability to create service documents for contacts and assign service quotes to prospects.
- Register the items that are taken from a bin in the warehouse in a Service Order.

You must purchase Granule 3260 Basic Receivables, Granule 3270 Sales Invoicing, Granule 4010 Basic Inventory, Granule 4260 Basic Resources and Granule 3360 Calendars before you can use this granule.

5912 SERVICE PRICE MANAGEMENT

- Service price management allows the set up of service price groups to take into consideration the service item (or service item group) as well as the type of fault the service task involves.
- Service price groups can be set up for a limited period of time, and/or for a specific customer or currency.
- Price calculation structures can be used as templates to assign a price to a service task. For example, this makes it possible to assign specific items included in the service price as well as the type of work included.
- And to ensure that the right prices are applied, it is possible to assign fixed, minimum, or maximum prices, depending on agreements with customers.
- Service price group reports allow you to keep track of the profitability of each service price group.

You must purchase Granule 5911 Service Order Management before you can use this granule.

5921 SERVICE ITEM MANAGEMENT

Service Item Management allows the service organization to register basic information on the equipment on which service is performed. This includes features such as:

- Contractual information – it is possible to enter/access contractual related information on each service item, such as response time, contractual values, upcoming service etc.
- Component management – in CRM – Service, it is possible to manage service items, which have BOM like component structure. This enables the service organization to manage e.g. warranty issues separately on a component level, and it also enables the tracking of changes in composition of service items over time.
- Warranty management –the ability to manage warranty as part of the overall service offering is important to most service organizations. In CRM – Service it is possible to handle warranty on parts and labor separately.
- A complete history of the service performed to a service item is available in CRM – Service. This also includes contractual changes.
- The Trendscape analysis feature gives you key performance indicators (such as profit, income or cost) on the service item in a given time frame.

You must purchase Granule 5911 Service Order Management before you can use this granule.

5931 SERVICE CONTRACT MANAGEMENT

Service Contract Management enables service organization to set up, manage and monitor service-related contractual agreements with their customers. This is facilitated through features such as:

- Contract templates – Through CRM – Service it is possible to set up service contract templates and groups which allows service organizations to (re-)use standardized contractual information.

- Contract quotes – CRM – Service supports an iterative contract negotiation process through the use of contract quotes. Quotes can be saved, so the development of the contractual negotiation can be traced.

- Contract history – A complete history of the changes made to the contract is available in CRM – Service.

- Contractual gains / loses – This feature gives the service organization an insight into the financial impact of contractual changes.

- Invoicing of contracts and contractually related service is very flexible in CRM – Service. This ensures that the service organization can accommodate a wide range of business relationships, customs and practices.

- The Trendscape analysis feature gives you key performance indicators (such as profit, income or cost) on the service contracts on a given timeframe.

- Dimensions on Service Contracts - You can use the general multiple dimensions functionality on service contracts just as you like you use it in the rest of the product.

- It is possible to create service contracts without creating service contract quotes first, making it more flexible to register service contracts in the application.

- Service contracts have been restructured to comply with the Navision style guide. The service contract window now includes a header and line, and the contract templates are kept in a separate table, making it easier for partners to work with the application.

- It is possible to block service contracts to prevent additional changes.

- The ability to issue multiple contracts per service item will facilitate our customers' needs for handling diverse service level agreements for service items. Some service items may require distinctly differently composed service level agreements, depending on the kind of service (e.g. hardware/software maintenance). Customers will now have the flexibility to manage such service level agreement diversity.

- The application has also been improved in the Service Order Management area, so users will now have support for selecting the appropriate service contract for a service item in the order uptake process. In addition, the ability to issue multiple contracts per service item will enable customers to issue multiple quotation offers for a service item, whether or not it is covered by contracts.

- The improvements we have made to the way contractually related service ledger entries are handled will improve the reliability of the affected statistics and the traceability of their composition.

You must purchase Granule 3260 Basic Receivables and Granule 4010 Basic Inventory before you can use this granule.

5941 PLANNING AND DISPATCHING

The planning and dispatching features allows service organizations to schedule and allocate resources in an optimal way to meet customer expectations and obligations.

Planning:

- The ability to plan resources according the service obligations engaged is key to most service organizations.

Dispatching:

- The dispatching feature in CRM – Service gives the opportunity to schedule and allocate resource according to, for instance, availability, skills and geographical proximity to the service site. Furthermore the dispatching feature provides an overview of the overall service load level of the organization. Additionally service tasks can be prioritized and escalated from the dispatching feature.

You must purchase Granule 4270 Capacity Management and Granule 5911 Service Order Management before you can use this granule.

5950 JOB SCHEDULING

Job scheduling enables service organizations to automate their otherwise tedious and time consuming manual work like service contract renewal.

Manufacturing

MANUFACTURING FOUNDATION

Manufacturing Foundation 4.0 is the entry point for the manufacturing solution. It is a complete solution for manufactures with simple production requirements and at the same time the basis for including more advanced functionality that can be bought in separate granules. Manufacturing Foundation 4.0 does not include a number of the more complex manufacturing granules, such as Finite Loading.

Manufacturing foundation is only available from 20/10/2004 to 31/03/2005 and consists of the following granules at approximately 50% of the normal price.

- 5410 Production Orders
- 5420 Production Bill of Materials
- 6010 Basic Capacity Planning
- 6040 Production Schedule

You also receive the pre-requisite granule 5805 which has no cost.

5410 PRODUCTION ORDERS

You use this granule for creating and handling production orders. The granule provides you with the basic facilities necessary for creating production orders and posting consumption and output to the production orders. Once you have created a production order, you can calculate net requirements based on that production order.

- Terminated the Finished Order Nos. - It will only be possible to specify a number series for released production orders – the finished production order will just inherit the released production order number. This make sense, as the production order number is often used as document number on posted entries, so, by not changing the number, you ensure that the navigate function works as intended.

- Adding Finished as a status type to the production order and, consequently, move finished production order information to production order and terminating tables related to the finished production order.

Easy Production Reporting - This feature makes it possible to record consumption and output from the context of a production order line. The Production Journal window combines the functions of the consumption journal and the output journal into one journal, which is accessed directly from a released production order line. When the journal is opened, it is preset with the expected or remaining (by partial posting) quantities or times to be recorded – both output and consumption. With the use of routing link codes, the consumption lines (components) will be indented under the linked output lines (operations) thus providing a nice process overview. Quantities and times already recorded for the production order line are displayed at the bottom of the journal as actual entries.

5420 PRODUCTION BILL OF MATERIALS

You use this granule for creating production bills of materials. The granule is also required for configuration of all other Navision Manufacturing granules. The granule also includes facilities for standard cost calculation.

You must purchase Granule 5410 Production Orders before you can set up a Production Bill of Materials.

5430 VERSION MANAGEMENT

You use this granule for creation and handling of versions of manufacturing bill of materials and routings.

You must purchase Granule 5420 Production Bill of Materials and Granule 6010 Basic Capacity Planning before you can set up versions of routings.

5805 AGILE MANUFACTURING

This granule gives you access to run Agile Manufacturing including Supply Planning and Capacity Planning.

5810 BASIC SUPPLY PLANNING

You use this granule for material requirements planning based on demand. The granule includes features for master production scheduling and material requirements planning. The granule also includes action messages for fast and easy balancing of supply and demand. The material requirements planning feature supports bucketless and bucketed material requirements planning. You can set up items with their own reordering policy, and you can register whether they are manufactured by or purchased from a third party. The granule automatically creates production orders and purchase orders.

You must purchase Granule 5420 Production Bill of Materials, Granule 5805 Agile Manufacturing and Granule 3550 Requisition Management to use these features.

5820 DEMAND FORECASTING

You use this granule for demand forecasting based on items.

6010 BASIC CAPACITY PLANNING

This granule is used for adding capacities (work centers) to the manufacturing process. You can set up routings and use these routings on production orders and in material requirements planning. This lets you see loads and the task list for the capacities.

Manual Planning - This feature is a simple supply planning tool that functions as a manual MRP system, where the user makes planning decisions order-by-order based on visibility and manual planning functions. The Order Planning feature uses parts of the existing planning engine to find and analyze new demand but it does not consider planning parameters defined for the items and is therefore much more transparent than the automatic system.

The Order Planning window displays all new demand along with advanced availability information and suggestions for supply. It provides the visibility and tools needed to manually plan for demand from both sales lines and component lines and then create different types of supply orders directly. It requires that a Planner deals with demand level-by-level. That is, any dependent demand for lower-level production items is only visible to the system after the higher level is planned. The Order Planning feature includes functions to supply from alternative sources, to easily create different supply orders and to quickly recalculate new demand.

You must purchase Granule 5410 Production Orders and Granule 5805 Agile Manufacturing before you can use this granule.

6020 MACHINE CENTERS

This granule is used for adding machine centers as capacities to the manufacturing process.

You must purchase Granule 6010 Basic Capacity Planning before you can use this granule.

6030 FINITE LOADING

Finite Loading helps planners make more reliable plans by taking capacity constraints into account.

- The feature ensures that no more work is assigned to a work center than the work center can be expected to execute during a given time period.
- Finite loading considers the present load to figure out when to place a task. Finite loading is simpler than finite scheduling. It does not optimize load automatically, and it has no graphical interface.
- If the Order Promising granule has been purchased, Finite loading also enables the system to calculate capable-to-promise (CTP).

You must purchase Granule 6010 Basic Capacity Planning before you can use this granule.

6040 PRODUCTION SCHEDULE

Graphical Production Schedule - This feature provides a graphical representation of production orders and capacity loading in an integrated Gantt component. The Production Schedule window is a Gantt chart, which is fully integrated with Microsoft Navision and allows a user to reschedule operations by drag and drop in a graphical interface and thus update the related production order data. The feature does not provide new scheduling functionality – it merely enables in a graphical interface the tasks otherwise done in tabular form in routings, task lists, load windows, etc. As such, it is a consolidation of existing data and functions for capacity planning and scheduling in one graphical interface, which provides much improved overview and simplicity of use for different user roles.

You must purchase Granule 6010 Basic Capacity Planning before you can use this granule.

Warehouse Management

4620 WAREHOUSE MANAGEMENT SYSTEMS

WMS is a perfect solution for companies that want to reduce costs through effective warehouse processes. It is aimed at companies that need to receive and ship goods while optimizing space utilization and knowing exactly where their goods are stored. It is especially developed for warehouses that function by using specific zones and bins. With WMS, the warehouse functionality is extended to be able to define and manage the physical layout of the warehouse, and to optimize the operation of the warehouse as well as the space utilization.

WMS offers the following features:

- The warehouse can be divided into zones, examples of which could be a receiving and a shipping zone. Items can be stored in a predefined place, a fixed bin, as well as in a floating bin. Depending on the capability of the warehouse personnel, the warehouse processes can be more or less automated. Handled in the right way, a fully floating bin system gives high flexibility and optimizes warehouse space.

- A fixed bin system gives the user the possibility of setting up the storage system in their own way.

- All bins can be ranked, indicating which bins are to be picked from first. Bins with a high ranking will be picked from before bins with a low ranking. This bin ranking is also used when putting items away.

- In order to optimize the use of warehouse space, the system can suggest the replenishment of bins based on rules about the minimum and maximum quantity in a bin and the bin ranking.

- Manual movements between bins.

- The program will help the user to perform the process of cross-docking items from the receiving area to the shipping area.

- Picking items can be performed in several different ways – per order, to stage, to tote.

- A new bin concept. Items in a bin will be defined by warehouse entries, and items can be moved from bin to bin without any change in the status of an item ledger entry. Content can be connected to bins indicating which item is in the bin, and what the quantity, weight and cubage are. For every bin, special equipment, warehouse class, type, and ranking can be specified. Bins are used when the warehouse employees want to pick and put away items.

- The pick and put away process can be performed for sales, purchase, transfers, returns and production orders. Service Orders is not included.

You must have purchased Granule 4010 Basic Inventory, 4180 Put Away, 4190 Warehouse Receipt, 4200 Pick and 4210 Warehouse Shipment in order to use this granule. You also receive granule 4170 Bin for free when you purchase this granule.

4630 INTERNAL PICKS AND PUT-AWAYS

A company sometimes needs to take/place items from/in inventory without purchasing or selling them. This could be for testing purposes, or your salesperson has had to lend some items for a demonstration, or too many items were picked for a production, so now the remaining items must be placed back in inventory. Internal Picks and Put-away functionality offers the following features:

- Allows you to pick or put-away items without using a source document.
- When picking items to a specific zone and bin, the system uses the bin ranking to automatically tell you where to pick the items from.
- When putting away items from a specific zone and bin, the system can tell you where to put-away the items by using the bin ranking and put-away template.

4640 AUTOMATED DATA CAPTURE SYSTEM

The new Automated Data Capture System (ADCS) consists of three main components:

- A modern communication infrastructure, which controls the information flow between the device and. This design includes the use of Navision Application Server (ATAS), a new communication system services component, and a device-specific plug-in.
- A number of scenarios that support workflows in the new WMS system and enable the automation of the warehouse.
- A mini-form designer in C/AL, which enables communication between any table and a device. With this you can add any field and enable the flow of information both from and to this field, without leaving C/AL. If a customer want to use the ADCS for other scenarios than the ones supported in this version, then it is possible to use the mini-form designer and the ADCS architecture to model the new workflows.

To use this granule you must also have purchased Granule 1420 Navision Application Server and at least one of granule 2310, 2320 or 2330 Web Users.

4660 BIN SET-UP

You use this granule to easily set up and maintain your bins. This is done by defining both the layout of your warehouse and dimensions of your racks, columns, and shelves. Furthermore, you use the granule to easily set up and maintain your planning parameters. This is done by defining the limitations and characteristics of each bin.

You must purchase Granule 4170 Bin before you can use this granule.

E-Commerce

The E-Commerce products were first introduced as separate product releases based on Navision Financials 2.60 as follows:

- Commerce Portal 2.65
- Commerce Gateway 2.65
- User Portal 2.60

They were not integrated into the Navision product until the 3.10 version.

For the 4.0 release, the User Portal and Commerce Portal have been discontinued. An alternative to User Portal utilizing Sharepoint services is currently being investigated. In order to use Commerce Portal with Navision 4.0, you must use the Commerce Portal Synchronization services and demo sites released with Navision 3.70. Contact your Microsoft Business Solutions Partner for additional information.

99008510 COMMERCE GATEWAY

Commerce Gateway is a business-to-business (B2B) solution that opens up Navision to electronic exchange of trading documents with other systems, using Microsoft® BizTalk™ Server. It allows companies to send and receive purchase and sales orders electronically, significantly reducing the amount of time spent on manual work and eliminating the possibility of human error.

This granule adds setup and management functionality of Commerce Gateway to Navision. It includes setup of customers, vendors and other partners. Setup consists of the partners you will exchange documents with, and the documents themselves. The granule gives you access to 5 partners. A partner can either be a customer, vendor or a marketplace. If a partner is both a customer and a vendor, this only counts as 1 partner.

The granule includes 16 different XML schemas, which are listed below:

Sales

- Request for Quote
- Quote
- Order
- Confirmation
- Delivery note
- Invoice
- Credit memo

Purchase

- Request for Quote
- Quote
- Order
- Confirmation
- Receipt note
- Invoice
- Credit memo

Inventory

- Product Catalog (both import and export)

Feature Improvements include:

- GUI Allowed: GUI Allowed is now used to handle requests running via Microsoft Navision Application Server.
- Filters on Purchase Documents: When importing purchase documents, the filters have been updated to also take the document type into consideration.
- Multi-Language Functionality: Some parts of the application were not using text constants for strings to be localized. This has been updated.
- Currency Codes: Different currency codes on the purchase/sales documents exchanged are now supported.
- Same Item on Several Order Lines: It is now possible to have the same item appear in several order lines.
- Outbound Line Number: It is now possible to track an outbound document line back to the actual line on the original document.
- Serial No. / Lot No.: Functionality to handle serial numbers and lot numbers on sales and purchase documents has now been added.
- Item Vendor Prices: It is now possible to handle multiple item prices per vendor, making it possible to import item catalogs with a new price as per a specific date, for example.
- Improved Hosting - It will be easier to set up hosting of Commerce Gateway since the connection via DCOM used in 3.10 has been replaced with socket communication (TCP/IP).
- Microsoft BizTalk Server - Commerce Gateway is now based on Microsoft BizTalk Server 2002. With BizTalk Server 2002, you have, among other things, access to more EDIFACT and X12 schemas as well as simplified setup using SEED technology. You can find more information about the SEED technology on the Microsoft BizTalk Server homepage: http://www.microsoft.com/biztalk/. Although Commerce Gateway is now based on BizTalk Server 2002, it still supports usage of Microsoft BizTalk 2000.
- TCP.com (communication component) for Windows 98
- Sent Product Catalog Headers are now saved
- Default Posting groups are assigned to the Setup Records, so Items imported from Catalogs can receive them and be used immediately for business documents
- Scalability – Multi-Threading - Scalability over multiple Microsoft Navision Application Servers (NAS) on incoming traffic from Microsoft BizTalk Server is now enabled. Previously, it was only possible to have one connection to NAS from BizTalk Server. For example, if a big product catalog import was being

processed by NAS; all other inbound documents had to wait in line. A .NET broker handling the Application Integration Component (AIC) and the Microsoft Navision Application Servers makes multiple connections possible. The broker handles the assignment of an available NAS when requested by an AIC.

- Enhanced Transaction Support - With the Enhanced Transaction Support feature, status tracking of the individual documents, to guarantee delivery, is handled automatically, while the client is free to perform other tasks. For example, a client can send off a large item catalogue and still be free to continue other work while the item catalogue is being processed by Commerce Gateway. In this first version of the Enhanced Transaction Support feature, the key element is the introduction of a new GUID (in Microsoft Navision) to track individual documents sent to partners. When the client sends a document (with the GUID) to Commerce Gateway Request Server (CGRS), the request server immediately returns a receipt to the client. Then, when CGRS gets the Tracking ID from BizTalk Server, it sends both GUID and Tracking ID back to Microsoft Navision, through the application server.

- Support for latest version of BizTalk Server (BizTalk Server 2004).

- Enhanced security with optional encrypted communication.

- Accepting and sending of multiple documents.

To use this granule you must also have purchased Granule 1420 Navision Application Server and at least one of the following granule combinations:

- Sales & Receivables - Sales Invoicing and Inventory - Basic Inventory

- Purchase & Payables - Purchase Invoicing and Inventory - Basic Inventory.

99008520 COMMERCE GATEWAY UNLIMITED PARTNERS
This granule gives you access to unlimited partners and requires that you have purchased Granule 99008510 Commerce Gateway.

Business Notifications

7010 BUSINESS NOTIFICATION
Microsoft Navision Business Notification granule is functionality within Microsoft Business Solutions–Navision that gives customers the ability to automatically send notifications and alerts both internally in the company and externally to business partners. These alerts and notifications are sent via emails, based on business rules, determined by the customer's business needs and set up within their Microsoft Navision solution.

7011 BUSINESS NOTIFICATION WORKSHEET
The Business Notification Worksheet included in Navision 4.0, enables customers to run events in periodic batches. The granule also includes the following six out-of-the-box event templates that cover and solve problems around the supply chain business processes:

- Purchase order - Ensure delivery of goods

- Purchase order - Vendor confirmation not received:

- Purchase order - goods not received from vendor

- Production order - Production delayed
- Inventory - Item quantity status
- Production BOM, and Production BOM version – Items updated

Business Analytics

Microsoft Navision Business Analytics provides a new analytical tool to the Navision offering. This new easy-to-use tool will enable users to leverage the data stored within Navision. The main benefits of the Business Analytics solution are:

Ease of Analysis - This is obtained by integration with Excel which has been the de-facto data analysis tool for the majority of business users, or by using the Business Analytics front-end solution.

Ease of Configuration - The configuration of OLAP cubes and the supporting infrastructure for data extraction and storage has been one of the biggest impediments for the mid-market customers to reap the benefits of analytics technology. With the release of Microsoft Navision 4.0, customers will be able to configure the data that they want to analyze from within Navision itself using their knowledge of Navision.

7020 BUSINESS ANALYTICS – BASIC

The basic offering enables customers to analyze data from different application areas within Microsoft Navision. It includes:

- A set of forms within Navision for configuration of dimensions and measures.
- A configuration engine that configures DTS packages for data transfer and schema for OLAP cubes and data mart tables.

Customers can view and analyze data through Microsoft Excel via the OLAP cubes.

Note the Microsoft Navision 4.0 CD includes the definition of the OLAP cubes but to create the cubes you need the configurator included on a specific Business Analytics CD.

7021 BUSINESS ANALYTICS – ADVANCED 4.0

The Advanced offering includes all the features of the basic offering plus is a front-end solution designed specifically for core small businesses and lower mid-market companies to enable targeted analysis of detailed information generated from Microsoft Business Solutions–Navision. Microsoft Navision Business Analytics makes it possible to gain a 360-degree view of your business performance. Microsoft Navision Business Analytics not only generates a quick overview of your core business data the way you want it presented, it also ensures that everyone in your organization is using the same up-to-data data for gaining business insights to make strategic and operational decisions.

The Advanced offering will also be included on the specific Business Analytics CD.

Technology Enhancements

MULTILANGUAGE

Multilanguage has three features:

- Import of language module
- Select language
- Printing Multilanguage enabled documents

The import of a language module is a feature that imports language modules into Navision. A language module is a file that has on-line Help, system texts and application text for a particular language. There are no limitations in the number of languages Navision can handle.

The Select language feature enables the user to switch language on the client in real time. The user will be able to switch between languages that are imported in Navision. When the user switches e.g. from a German to English - online help and error messages in the application will be in English.

The printing of documents is enabled to handle more languages. This makes it possible for a user to print invoices to his customers in different countries in the same batch. The user starts the printing, and Navision will automatically select the appropriate language for the customer in question. Thereby the company is able to provide their customers with trading documents in the appropriate language.

C/ODBC has also been changed to handle Multilanguage for Navision. The new C/ODBC version covers the following Multilanguage areas:

- Table Names
- Field Names
- OptionString values

When you link a table by setting another application language other than the default language and this language has a corresponding output from Navision, you will notice that the value of the table name, the field names and the option field within the table will be shown in the language chosen.

APPLICATION HYPER LINKING

Application hyper linking enables users to send information between two employees as e-mail. One example: an employee sends customer information to a supervisor and asks the supervisor to change the credit limit. When the supervisor receives the e-mail – the supervisor can click on the hyperlink, Navision will automatically start and the customer information will automatically be shown. Now the supervisor can change the credit limit. The Navision client now supports Hyperlinks to forms and reports. These are added as two new entries in the File->Send ->Link by e-mail or File->Send->Shortcut to Desktop. You will also find a new entry in the Edit menu – Copy link.

SERVER BASED BACKUP/RESTORE PROGRAM

We have introduced a new server based backup/restore program that will improve the support for customers with large Navision Server databases. The backup/restore program enables you to make a server based backup during normal working hours without having to stop and start the Navision Server session. The backup program lets you take copies of the database files from a server to a disk system. The backup program does not have a graphical user interface and you start the program from the prompt in the operating system. The backup program will also enable you to send e-mail to the administrator if something goes wrong during the backup process. Microsoft Business Solutions recommends that the program is executed from the server, where customers can control who should have permission to start the backup program. The backup program can be executed from a client computer, but this requires that the client computer has access to the database files. Performance depends on the number of disks you have in your system. The server based backup for Navision Server is available on Windows 2000/NT.

COMPANY NOTES

Most users of Navision rely on formal or informal super-users to instruct them on how to use the application in their job. These super-users provide perfectly tailored instructions because they fully understand the particular conditions of the company and the relevant work tasks - as well as the system. However, the super-users often need to repeat their instructions for every employee or create custom manuals which they must maintain and distribute. The Company Notes feature enables super-users to write notes for online Help topics. By attaching hints and instructions directly to a Help topic, super-users only need to communicate the information once. If a note is created for a form's help topic, any user who presses the form's Help button will see the note at the top of the Help topic. The note will appear on a light yellow background - resembling a post-it note. The notes are stored separately so Help topics are not modified when notes are added. This means that the notes are maintained when upgrading to later versions of the online Help.

IMPROVED ONLINE HELP

In Navision, the online Help is changed to HTML format. The HTML online Help is structured according to the main menu, and users will be able to use a Table of Contents, links to related tasks or a full text search across the online help to find help for a particular subject. The online Help also include help, which was previously included in the printed manuals.

The online Help is much more comprehensive than before. It contains information about tasks and forms as well as conceptual information. There are three new kinds of Help topics: form topics, task topics, and conceptual topics. We are providing Help for many of the forms. We are providing extensive online procedural (task) Help as well as some online conceptual information. Previously, procedural information, conceptual information and information about forms was found only in the manuals. Much of the existing information has been moved from the manuals to the online Help. We continue to provide the usual table and field Help.

WINDOWS XP IMPLEMENTATION

Navision 3.10.A incorporated the look and feel of Windows XP into its design, with new colors and a new logo. The basic graphic design elements of Windows XP are implemented as follows:

- The main menu will have the colors of Windows XP.
- Essential icons in the Object Designer and the application, including the toolbar icons, will have the look and feel of Windows XP.

OFFICE LOOK NAVIGATION PANE REPLACES MAIN MENU

We have introduced a Navigation Pane similar to the one in Microsoft Office Outlook 2003. The new Navigation Pane helps users work more efficiently in Navision by combining easy-to-access menu information with personalization options. Further, users with administrator permissions for the Navigation Pane have various menu configuration options. Here are some of the main benefits:

- Customer license file and security permissions automatically determines the menus shown and the items shown within each menu.
- The content of the main menu has been restructured to reflect our end users' tasks and make it easier for them to find the functionality they need.

- End users can personalize menu content to suit the way they work. For example, they can hide menu items that they do not use very often.

- End users can make shortcuts to the menu items that they use the most and also to all the files, programs and web sites that they use in their daily work.

Administrator users can be granted access to the Navigation Pane Designer:

- Administrators can create and modify menus to best suit their companies' departmental needs.

- Administrators can assign users to menus so that end users only see menus that are relevant to their roles.

SIMPLE BAR CHART GRAPH COMPONENTS

New pre-defined Key Performance Indicators (KPIs) can be viewed in a generic graph component in Microsoft Navision 4.0 that can be customized by partners. The pre-defined KPIs represent Financial Management, Supply Chain Management and CRM. The graph component enables users to create a simple bar chart diagram consisting of a limited number of squares and the ability of drilling down. The graph can be generic and customized by partners.

1370/1375 INCREASED STANDARD DATABASE SIZE

We have chosen to extend the upper database limit of the Navision Server database to 128 GB. As Navision a/s wants to keep track of these customers, a new granule must be added to the license file. The granule is free of charge. Without the new granule, the new standard database limit will be 64 GB.

1410 PERMISSIONS

Record Level Security

Navision offers an enhancement of the permission system. The feature gives customers the possibility to give users limited access to a specific table. This is a feature that is relevant if customers wish to give a sales assistant access to the customer table, but the sales assistant is only allowed to see information regarding a specific set of customers. With Record Level Security, the administrator is able to specify a set of filters that will be set before the user is able to see the data. **Record Level Security is a feature for Microsoft SQL Server option for Navision only.**

1420 NAVISION APPLICATION SERVER

Navision Application Server is a middle-tier server, which executes business logic without user intervention. With Navision Application Server, it is possible to communicate with external services. Navision Application Server provides a fast, reliable framework for Navision's e-commerce functionalities: Commerce Gateway and Commerce Portal. Navision Application Server is installed via a Microsoft Installer package like any other Navision module and does not require dedicated hardware. You use the setup program to install, maintain and remove a Navision Application Server.

Navision Application Server acts as a client towards a database server and can act as a server for other services. Navision Application Server will be installed as a service and you can have one Navision Application Server per machine. If you want to change the Navision Application Server configuration you should use Navision Application Server Manager, which is a snap-in for Microsoft Management Console. Navision Application Server is able to run without displaying anything on a screen and therefore requires no user interaction. This means, of course, that the user will not get any error messages. Instead, these are logged in the NT event log. However, the user can interact with Navision Application Server through the Navision Application Server Manager.

An n-tier solution requires Navision Application Server. Navision Application Server can also be leveraged for other integrations; such as 3rd party solutions, as well as to automate Navision processes. A first complementary Navision Application Server instance is included in the granule Basic General Ledger (3,010). Each configuration of this granule gives access to 1 more Navision Application Server instance. Access to graphical viewing is not included in Navision Application Server. This granule also includes 1 Web User.

Each internal user requires one (1) Web User to access the solution with any device via Navision Application Server. Any third party solution access through Navision Application Server also requires one (1) Web User per internal user. Excluded from this are those Navision products or agreements made explicitly with third parties, for which another type of user exists.

More information about Web Users is found with the granule Web Users (1) (2,310).

Reports on Microsoft Navision Application Server – You are able to run reports – just like the Microsoft Navision client. Microsoft Navision Application Server:

- Can print a report.
- Can run a batch report.
- Can save a report as HTML.
- Can save a report as XML.
- Does not have page setup or print preview.
- Will fail if you try to run a report with the request form.
- Will ignore the status dialog box.

1700 C/ODBC

Microsoft Navision 4.0 includes a completely new ODBC driver. The ODBC driver for Microsoft Navision 4.0 supports conformance level 2 and will supports the majority of the business intelligence tools on the market.

The new ODBC driver is built on top of C/Front which will be embedded within the ODBC driver. **The C/Front granule is not required to run the new ODBC driver.**

2010 MICROSOFT SQL SERVER OPTION

- Improved Compatibility on Microsoft SQL Server - We have improved the naming of identifiers on Microsoft SQL Server by removing characters such as national characters, special characters (\./¨) and so on from their C/SIDE names. This helps customers take advantage of OLAP and third-party tools.

- Performance Optimization - We have made some general performance improvements in Microsoft SQL Server Option for Microsoft Navision 3.60. Due to these improvements, we recommend existing customers on Microsoft SQL Server Option for Navision Financials 2.60 and newer to upgrade to C/SIDE 4.0.

- Running Microsoft SQL Server Option for Microsoft Navision in a Hosted Environment - Microsoft SQL Server allows you to run several databases on the same server. Microsoft Navision 4.0 allows customers to store the Microsoft Navision license information in each individual database on the Microsoft SQL Server. Therefore, all granule information is database specific. This means that the number of sessions that you can run is also database specific and does not depend on the number of users accessing other databases on the same server.

2030 MICROSOFT SQL SERVER DESKTOP ENGINE (MSDE)

Partners/customer can install MSDE on 011 licenses (Microsoft Business Solutions–Navision Standard), including a demo database (optional), during installation of the client.

5200 SMART TAG INTEGRATION

This granule was new in 3.60 and has not changed number or name from 3.60 to 4.0.

We have released the Smart Tag Integration Toolkit that is based on Navision and is built on the programming interface provided by Microsoft using .NET technologies. The Smart Tag Integration Toolkit allows users to access information in Navision while using the Microsoft Office XP products. By using Smart Tags, predefined information (such as a name or an address) is recognized in Office applications and the user can add more in-depth information from Navision. This increases work productivity and the intelligence that is inherent in Office applications. The Smart Tag Integration Toolkit contains a set of standard Smart Tags that can be installed and used right away. However, it also includes tools to develop customized Smart Tags.

7140 XML PORT DESIGNER, 8700 XML PORTS (EACH) AND 8750 XML PORTS (100)

A new XML Port feature makes it easier for partners to customize Microsoft Navision. The XML port improves the overall performance of Microsoft Navision when handling document exchange, and reduces the need for partners to have expert knowledge of XML parsers. Partners can develop, implement and manage XML documents in an efficient and cost effective way, and customers can more easily manage data exchange of business documents.

Discontinued Granules

1540 AND 1610 IBM AIX AND IBM ISERIES

These granules were discontinued in version 4.0.

3300 CUSTOMER/ITEM DISCOUNTS

The functionality contained in this granule was transferred to granules 3370 in version 3.60. Maintenance customers with granule 3300 in versions prior to 3.60 will receive granule 3370 at no additional cost if they upgrade to 4.0.

4030 MULTIPLE SALES PRICES

The functionality contained in this granule was transferred to granules 3380 in version 3.60. Maintenance customers with granule 4030 in versions prior to 3.60 will receive granule 3380 at no additional cost if they upgrade to 4.0.

4080 SALES QUANTITY DISCOUNTS

The functionality contained in this granule was transferred to granules 3370 in version 3.60. Maintenance customers with granule 4080 in versions prior to 3.60 will receive granule 3370 at no additional cost if they upgrade to 4.0.

4090 PURCHASE QUANTITY DISCOUNTS

The functionality contained in this granule was transferred to granules 3580 in version 3.60. Maintenance customers with granule 4090 in versions prior to 3.60 will receive granule 3370 at no additional cost if they upgrade to 4.0.

4280 MULTIPLE SALES PRICES

The functionality contained in this granule was transferred to granule 3380 in version 3.60. Maintenance customers with granule 4280 in versions prior to 3.60 will receive granule 3380 and its pre-requisite granules at no additional cost if they upgrade to 4.0.

5510 BASIC CONTACT MANAGEMENT

The functionality contained in this granule was transferred to granules 5110 and 5130 in version 3.01. Maintenance customers with granule 5510 in versions prior to 3.01 will receive granules 5110 and 5130 at no additional cost if they upgrade to 4.0.

5520 ACTIVITIES

The functionality contained in this granule was transferred to granule 5150 in version 3.01. Maintenance customers with granule 5520 in versions prior to 3.01 will receive granule 5150 at no additional cost if they upgrade to 4.0.

5530 MARKET GROUPS

The functionality contained in this granule was transferred to granule 5110 in version 3.01. Maintenance customers with granule 5530 in versions prior to 3.01 will receive granule 5110 at no additional cost if they upgrade to 4.0.

5540 TRADE GROUPS

The functionality contained in this granule was transferred to granule 5110 in version 3.01. Maintenance customers with granule 5540 in versions prior to 3.01 will receive granule 5110 at no additional cost if they upgrade to 4.0.

6220 COMMERCE PORTAL

This granule was discontinued in version 4.0.

6710, 6750 AND 6760 USER PORTAL

These granules were discontinued in version 4.0.

99000770 BASIC MANUFACTURING

The functionality contained in this granule was transferred to granules 5410, 5420, 5430 and 5805 in version 3.01. Maintenance customers with granule 99000770 in Navision Manufacturing will receive granule 5410, 5420, 5430 and 5805 at no additional cost if they upgrade to 4.0.

99000780 SUPPLY PLANNING

The functionality contained in this granule was transferred to granules 5810 and 5820 in version 3.01. Maintenance customers with granule 99000780 in Navision Manufacturing will receive granule 5810 and 5820 at no additional cost if they upgrade to 4.0.

99000790 CAPACITY REQUIREMENTS PLANNING

The functionality contained in this granule was transferred to granules 6010 and 6020 in version 3.01. Maintenance customers with granule 99000790 in Navision Manufacturing will receive granule 6010 and 6020 at no additional cost if they upgrade to 4.0.

Microsoft Business Solutions

99001910-99002000 ADVANCED DISTRIBUTION

The features contained in these granules were discontinued in version 3.01. Most of the granules were replaced with equivalent functionality in version 3.01 to 3.70. The following table gives the replacement granules that maintenance customers will receive at no additional cost if they upgrade to 4.0.

Advanced Distribution Granule	**Replacement Granules in 4.0**
99001910 Customer Returns Authorization	3350 Sales Order Return Management 3570 Purchase Order Return Management
99001920 Item Cross Reference	4120 Item Cross References
99001930 Item Substitutions	4110 Item Substitutions
99001940 Non-Stock Item Processing	4130 Non-Stock Items
99001950 Contract Pricing	3370 Sales Line Discounting 3380 Sales Line Pricing 3580 Purchase Line Discounting 3590 Purchases Line Pricing
99001960 Usage Based Procurement	Discontinued – no replacement.
99001970 Location Transfers	4100 Location Transfers
99001980 Extended Shipping & Receiving	4180 Put Away 4190 Warehouse Receipt 4200 Pick 4210 Warehouse Shipment
99001990 Warehouse Management	4170 Bin 4620 Warehouse Management Systems
99002000 Bar Coding Devices	4640 Automated Data Capture System

99004640 – 99004670, 99004810 – 99004830 NAVISION ANALYST

These granules were discontinued in version 3.10. For an alternative solution, see the Business Analytics features.