MODULE 2: SAMPLE COMPANY STRUCTURE

Module Overview

All examples, demonstrations, and labs in this training material are based on a fictitious company named CRONUS International Ltd. The company's role as a bicycle manufacturer provides an ideal model to examine typical manufacturing processes and challenges. Because bicycles are well-known and are easy to understand, they provide good examples of how products are defined and manufactured.

"Sample Company Structure" describes the company structure for CRONUS and how to prepare the sample database for use.

Objectives

The objectives are:

- Provide an overview of the demonstration company, CRONUS International.
- Explain how to set the working date.
- Show how to change the default profile to Production Planner.
- Describe license information.
- Provide links to additional information.

CRONUS International Company Structure

CRONUS International is a bicycle manufacturing company that requires the services of Microsoft Dynamics® NAV. The following is true about CRONUS:

- It manufactures final assemblies and subassemblies.
- It has several production BOM levels in its product structure.
- It uses simple routings for bicycles and subassemblies (special process descriptions are not used).
- Sales quantity and product variety prohibits flow manufacturing.
- Machines and work centers are arranged in shop form, where production items are transported to respective work centers.
- Item quantities are divided into lots, and every lot is organized into a separate production order.

CRONUS uses an assemble-to-order (ATO) approach in which bicycles are generally make-to-order (MTO) and the subassemblies are generally make-to-stock (MTS). In these cases, the program supports linking production orders to sales orders. While bicycle demand is based on sales orders, procurement of subassemblies and purchased items is based on a lot-for-lot principle. Inventory usage in production is controlled and reported manually.

Microsoft Dynamics NAV assumes infinite capacity during production planning, but finite loading can be defined for selected resources. The expected workload on the shop floor can be reviewed for both machine centers and work centers. The planner can rearrange or reschedule orders to resolve overload problems.

Actual production output is recorded manually. This reduces the workload at the machine and work centers.

Dates

The dates in the training material are in United States format. To avoid confusion when you read the material and follow the exercises, set up the regional options in Microsoft® Windows® to English (U.S.) before you start the training session (Control Panel, Region and Language).

The training material frequently provides the working date. If it does not, use January 23, 2014. Make sure that you use this date in the exercises in this material. Remember that you must reset the date every time that the program starts.

Default Profile

Because this is a manufacturing course, you should change the default profile to Production Planner.

To make this change, follow these steps.

1. In the **Search** box, type "profiles", and then select the related link.
2. On the **Profiles** list page, double-click the Production Planner profile.
3. On the profile card for the Production Planner profile, select the **Default Role Center** check box.
4. Click **OK** to close the profile card.
5. Restart Microsoft Dynamics NAV by closing and reopening it. The selected profile appears.

License Information

Use the training license to use and change the demonstration data for this training material. This license grants access to the manufacturing functionality and enables you to use business dates.

Additional Information

Learn more about the topic of supply chain management at the APICS website: http://www.apics.org.

APICS is a nonprofit educational society for resource management.

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Module Review

After you read this module, you should have a general understanding of CRONUS International and be ready to use the company in lessons. You also should set your work date and your default profile correctly.