CHAPTER 2: SAMPLE COMPANY STRUCTURE

Objectives

The objectives are:

- Provide an overview of the demonstration company, Cronus International.
- How to set up the Date.
- How to change the default profile to Production Planner.

Introduction

Microsoft Dynamics® NAV is a collaborative business management solution for medium-sized companies. It is an integrated product that includes functionality to support the following:

- Financial and relationship management
- Distribution
- Manufacturing

Microsoft Dynamics NAV supports world class manufacturing principles with a solution that allows manufacturers to simplify their processes and implement the operational changes necessary to focus on delivering what their customers want, when they want it.
Cronus International Company Structure

Cronus International is a bicycle manufacturing company that has added further branches to its business activities, therefore it needs the services of Microsoft Dynamics NAV.

Note the following about Cronus International:

- Cronus manufactures final assemblies and sub-assemblies.
- Cronus has several production BOM levels in its product structure.
- Cronus uses simple routings for bicycle and sub-assemblies. (Special process descriptions are not used.)
- Sales quantity and product variety disallows 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.

The class demonstration uses an assemble-to-order (ATO) type of company in which the bicycle is make-to-order (MTO) and the remaining sub-assemblies are make-to-stock (MTS). In such cases, the program supports the linking of production orders to sales orders. While bicycle demand is based on sales orders, procurement of sub-assemblies, 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 may be defined for selected resources. The expected work load on the shop floor may be reviewed for both machine centers and work centers. The planner can rearrange or reschedule orders to solve overload problems. Actual production output is recorded manually, reducing the work load at the machine and work centers.

Dates

The dates in the training material are in United States format. To avoid confusion when reading the material and following the exercises, set up the regional options in Microsoft® Windows® to English (U.S.) before starting the training session (Control Panel, Regional, Language Options).

The working date is often given in the manual. If it is not, use 01/28/2010. It is important that this date is used when following the examples and performing the exercises included in the material. Remember that the date must be reset every time the database is started.
License Information

Use the Cronus license to create and use the demonstration data for this training material. This grants access to the manufacturing functionality, which allows the use of the business dates.

Further Information

Since this is a manufacturing course, ensure that you have changed the default profile to Production Planner.

To change the default profile to the production planner profile, perform the following steps:

1. In the navigation pane, click the **Departments** button.
2. Go to **Administration > Application Setup > Role Tailored Client > Lists > Profiles**. Note that the default profile is set to Order Processor.
3. Double-click the Production Planner profile.
4. Select the **Default Role Center** check box.
5. Click **OK**.
6. Restart Microsoft Dynamics NAV 2009 by closing and reopening it. The selected profile appears.

Learn more about the topic of supply chain management at the APICS web site: http://www.apics.org (http://www.apics.org/). APICS is a non-profit, educational society for resource management.

Summary

This chapter provides the basic setup information that you need to complete the demonstration and labs in this course.

An introduction to the fictitious company, Cronus International, provides the framework in which this course is based.
Quick Interaction: Lessons Learned

Take a moment and write down three key points you have learned from this chapter

1. 

2. 

3. 