DS0020
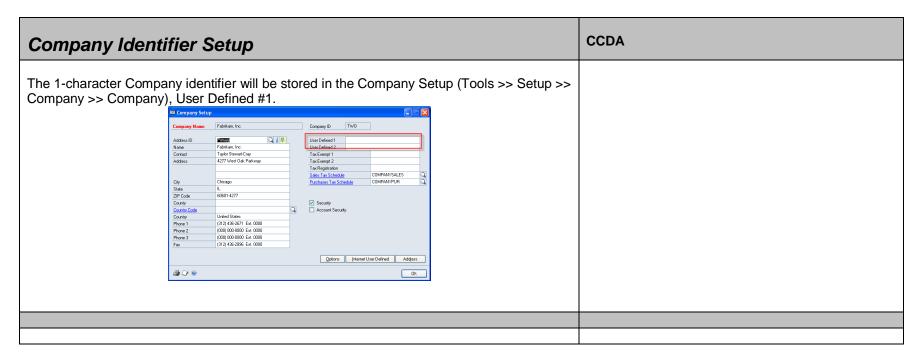# Auto-Lot Numbering

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Problem Definition

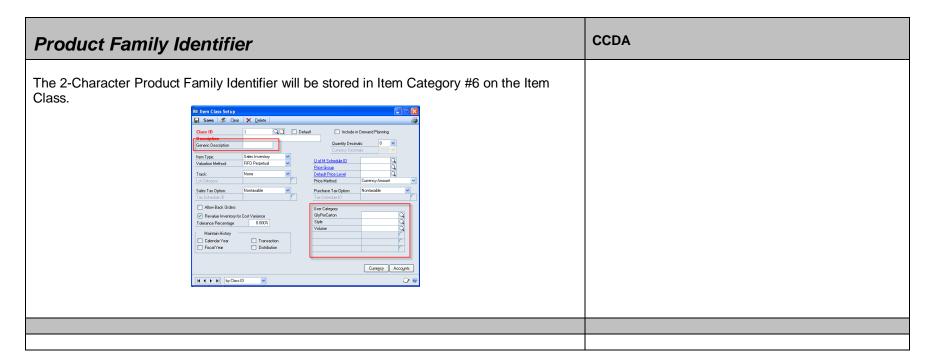| Problem Definition	CCDA
ACMECO needs Dynamics GP to support auto-numbering of Lots. The following requirements should be supported: • The ability to have a different number sequence per company database • It should support the following lot number format: o 1 digit company identifier o 2 digit product family identifier o 6 digit incrementing number The solution will allow the user to setup and maintain the company identifier and product family identifier. During transactions in Dynamics GP which require the user to manually enter new Lot Numbers, a new Next Lot Number window will be available that allows the user to pick from the Next Number and auto-populate the window.	

Design Features

Company Identifier Setup	CCDA
The 1-character Company identifier will be stored in the Company Setup (Tools >> Setup >> Company >> Company), User Defined #1. 	

Product Family Identifier	CCDA
The 2-Character Product Family Identifier will be stored in Item Category #6 on the Item Class.	

Lot Number Generator	CCDA
The next sequential Lot Number will auto-populate the Lot Number field in the following windows: • Inventory Transaction (Adjustment/Variance): Item Lot Number Entry. • Receivings Transaction Entry: Purchasing Lot Number Entry • Manufacturing Order Entry (pre-assigned lot numbers) • Manufacturing Order Receipt Entry: Manufacturing Lot Number Entry The Lot Number field will only be filled when the window first opens, and no other method will be provided (such as an Extras menu) to force the system to generate a new Lot Number. Also, the Lot Number will only be auto-populated if there is a Lot Quantity Remaining (Inventory Transaction, Receivings Transaction, MO Receipt), or the Lot Number field is empty (MO Entry). The Next Lot Number will be generated by: • Retrieving the Company Identifier (described above): C • Retrieving the Product Family Identifier (described above): PP • Retrieving the Next Lot Number for the Product Family: N C – If more than one character is present, only the first character will be used. PP – If more than one character is present, only the first character will be used. N will be padded with leading zeros to fill 6-characters. The final number will have the format: CPP00000N The first lot number generated for any Product Family ID will start with the number one ("000001"). If the user selects the Next Lot Number, but then does not use it, this number will be skipped and the Next Lot Number will be incremented by one.	