

# **Govern OpenForms 6.0 Number Format Editor**

**Release 6.0**

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## Introduction

### Overview

The Number Format Editor is new in Govern OpenForms, version 6. It is used for creating formats, such as currency symbols, one thousand separators, and negative symbols, for the values that are displayed on Govern user forms.

The formats are created in the Number Format Editor in GNA. As described in this document, they can be selected in the Business Entity Designer (BED) and applied to any numeric attribute of the data type integer or real. Once they are applied, they are displayed on the user form in Govern.

## Features & Benefits

Govern OpenForms 6.0 Number Format Editor has the following features and benefits.

- Create formatting for numeric attributes
- Create multiple formatting types
- Preview formats as you are create them
- Keep track of the attributes that use each format type

## Document Overview

This document describes the following:

- Setting Up a Number Format
- Associating a Number Format with an Attribute
- Viewing Your Formatted Number

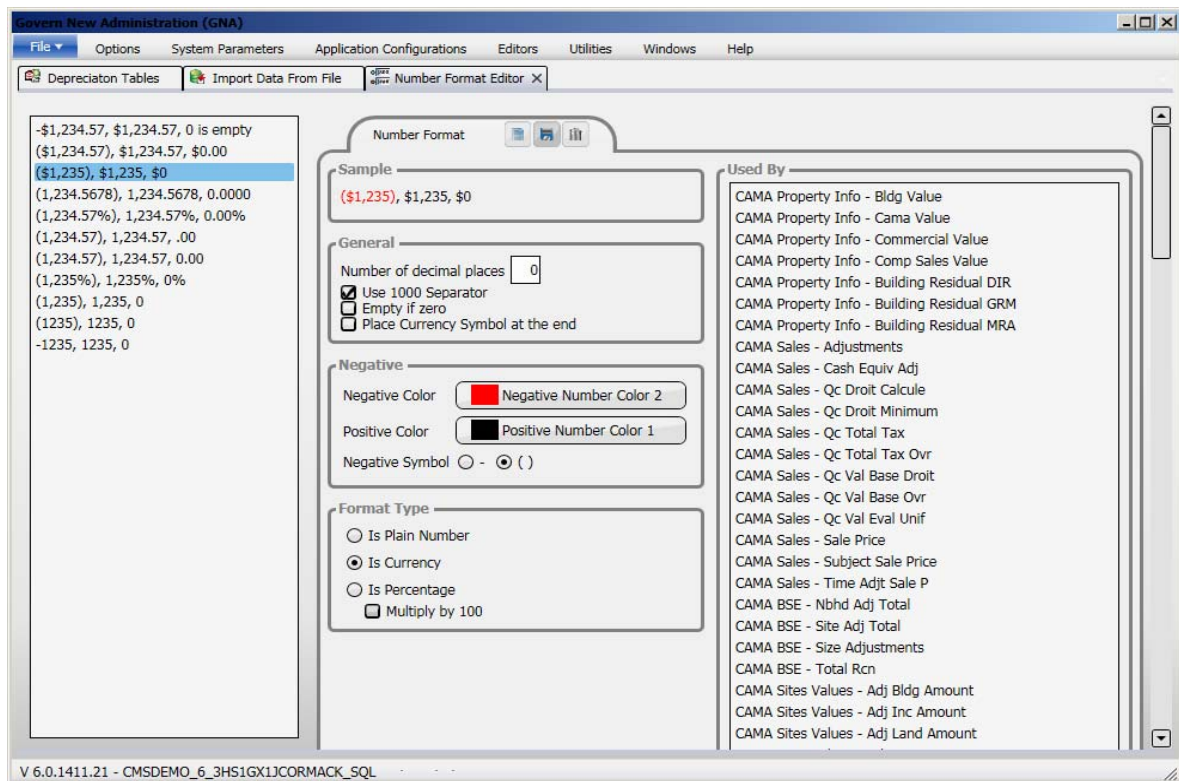
# Setting Up a Number Format



## Overview

Number Formats are created in the Number Format Editor in GNA.

To create a number format:

1. Launch GNA.
2. Select **Editors > Number Format Editor**.



3. Click the **New** icon  to create a new format.
4. Set the parameters.
5. Click the **Save** icon .

The format is saved to `USR_FIELDS_NUMERIC_FORMAT`.

## Number Format Editor Panels

The number format editor has three panels.

- **Format List:** All the existing formats are displayed on the left.
- **Number Format:** The center panel lists the parameters that can be applied to the selected format.
- **Used by:** When you select a format type, the list box on the right displays the entities and attributes that are using it.

## Format List Panel

All the existing formats are listed in the Format List panel on the left of the interface. If you select a format, the details are displayed in the Number Format panel in the middle of the interface. The entities where the format is used as well as the attribute are listed under the **Used By** panel.

## Number Format Panel


The number Format Panel contains the following sections:




- Number Format Icons on page 3
- Sample on page 4
- General on page 4
- Negative on page 4
- Format Type on page 5

### Number Format Icons



The red dot appears when you are creating or modifying a number format and have unsaved changes in the Number Format Editor.

Icon	Description
 Cancel	The <b>Cancel</b> icon appears if you have unsaved changes in the Number Format Editor.

Icon	Description
 New	Click the <b>New</b> icon to create a new number format.
 Save	Click the <b>Save</b> icon to save the current number format.
 Remove	Click the <b>Remove</b> icon to remove the current number format.

## Sample

The Sample box provides a preview of the selected format.

## General

**Number of decimal places:** Enter the number of decimal places for the selected format. The minimum is zero and the maximum is four.

**Use 1000 Separator:** Select this option to display a separator to indicate each 1,000. The separator used depends on the Culture selected in Deploy EZ. For example, for US English a comma is used, whereas, a space is used for French.

**Empty if Zero:** Select this option to display a blank text box when the value of the attribute is zero. Deselect this option to display a zero (0).

**Note:** Zero is considered positive. Positive formatting is applied if a zero (0) is displayed.

**Place Symbol After:** Select this option to place a symbol, such as a dollar sign (\$) or percent sign (%) after the number. Deselect this option to place it before the number.

**Note:** The negative symbol (-) is always placed before.

## Negative

**Negative Color:** Select a color, such as red, to apply to negative values.

You can select black or one of three custom colors.

**Positive Color:** Select a color, such as black, to apply to positive values.

You can select black or one of three custom colors.

**Negative Symbol:** Select one of the following:

- -: to display the minus sign (-) for negative values
- ( ): to display parentheses around negative values.

### Format Type

**Is Plain Number:** Select this option to display a number with neither a percent sign (%) nor a dollar sign (\$).

**Is Currency:** Select this option to display a dollar sign (\$) with the number.

**Note:** Ensure that you select the option **Place Symbol After** if you want to display the symbol after the number.

**Is Percentage:** Select this option to display a percent sign (%) with the number.

**Note:** Ensure that you select the option **Place Symbol After** if you want to display the symbol after the number.

**Multiply by 100:** Select this option if percentages are stored as a decimals in the database and you want to display the value of the attribute as a percentage on the Govern user form. For example, if 67% is stored as 0.67, select multiply by 100 to display it as 67%.

## Used By Panel

When you select a Number Format from the Number Format in the left panel, all the entities are listed on the right with the attributes on which the format is applied.

# Associating a Number Format with an Attribute

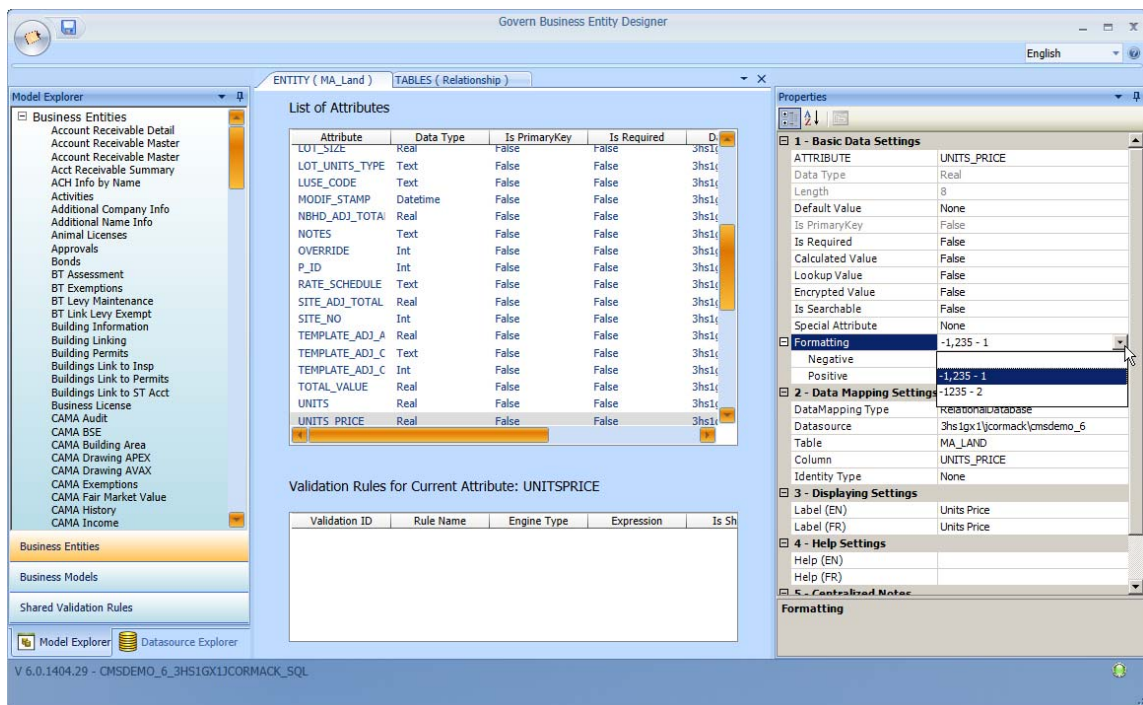


## Overview

You can associate any number format with a numeric attribute in the Govern Business Entity Designer (BED).

At associate a number format:

1. Launch the Business Entity Designer.
2. Open the **Model Explorer > Business Entities**.
3. Select the entity that contains the attribute you want to update.



4. Select the attribute in the **List of Attributes** list box.
5. Expand the **Formatting** property in the Property Explorer.

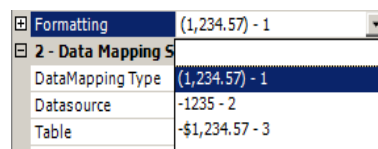


**Note:** This property is displayed only for numeric attributes, such as Real or Integer.

6. Click inside the **Formatting** text box and select a number format.

Formats are listed as they appear in Govern.


For example, in the following screen shot, three number formats are available.



The first number shows how the format is applied to a sample number. In the screen shot, these are (1,234.57), -1235, and \$1,234.57. The format includes the:

- Decimal position
- 1,000 separator: comma or space depending on the culture
- With or without dollar sign
- Position of the dollar percentage sign
- Negative symbol (minus sign or parentheses)

The second number can be ignored. It indicates the position of the format in the combo box. The positions are 1, 2, and 3 in the screen shot.

7. The color defined for negative values, for the selected format, is displayed in the **Negative** text box.
8. The color defined for positive values, for the selected format, is displayed in the **Positive** text box.
9. Click the **Save** icon .

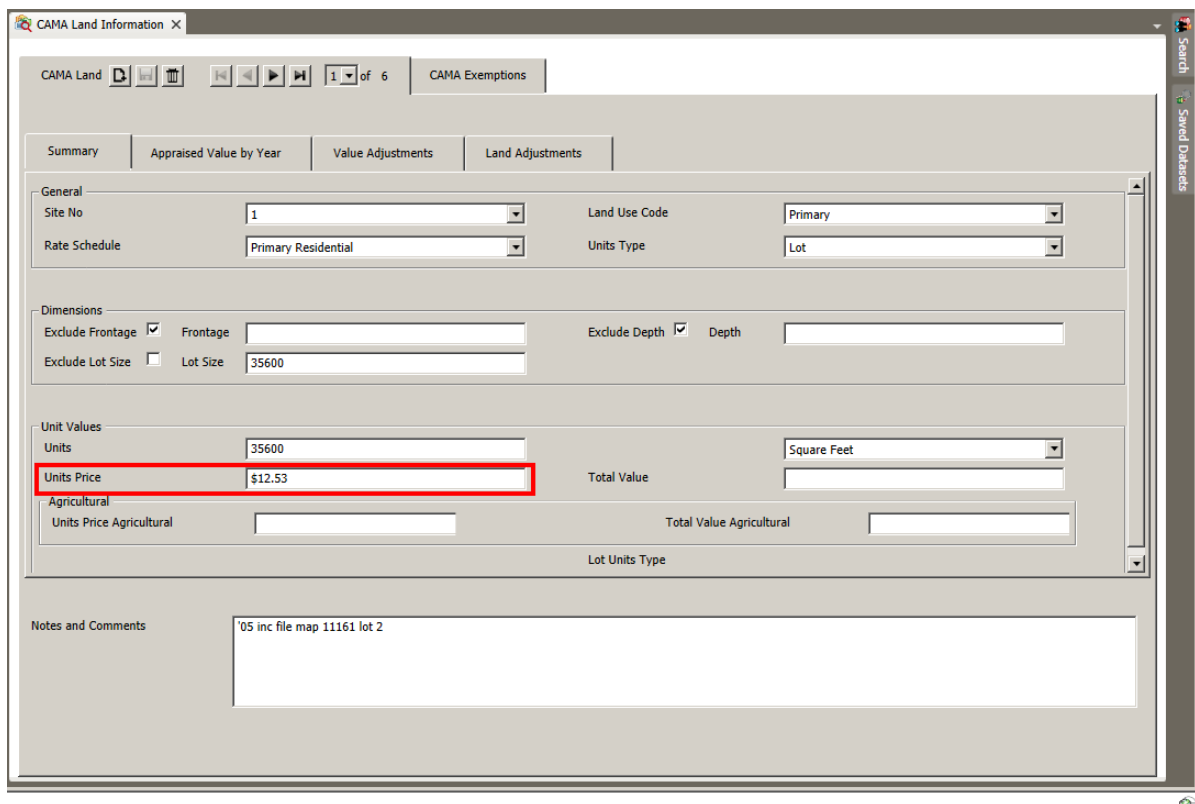
# Viewing the Formatted Attribute in Govern

## Overview

You can open the user form in Govern to view the formatting on the selected attribute.

To view the attribute:

1. Launch Govern.
2. Open the form and the entity that contain the attribute.
3. Load a record to view the data.



The screenshot shows the 'CAMA Land Information' user form. The form is divided into several sections: General, Dimensions, Unit Values, and Notes and Comments. The 'Units Price' field in the 'Unit Values' section is highlighted with a red rectangle. The 'Units Price' field contains the value '\$12.53'. The 'Total Value' field is empty. The 'Units Price Agricultural' field is empty. The 'Total Value Agricultural' field is empty. The 'Lot Units Type' field is empty. The 'Notes and Comments' section contains the text '05 inc file map 11161 lot 2'.

Section	Field	Value
General	Site No	1
	Rate Schedule	Primary Residential
	Land Use Code	Primary
	Units Type	Lot
Dimensions	Exclude Frontage	<input checked="" type="checkbox"/>
	Frontage	
	Exclude Lot Size	<input type="checkbox"/>
	Lot Size	35600
Unit Values	Units	35600
	Units Price	\$12.53
	Total Value	
	Units Price Agricultural	
Agricultural	Total Value Agricultural	
	Lot Units Type	
Notes and Comments	05 inc file map 11161 lot 2	