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## Banner General Release Guide

Release 8.8.5  
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## Introduction

This release guide provides a description of the enhancements included in Banner General 8.8.5 release.

## Change request enhancements

Banner General 8.8.5 release addresses CR-000137029 - Name Display Rules.

## CR-000137029 - Name Display Rules

Banner General delivers a new Oracle form and functions that support the requirements for various Banner Student XE Self-Service applications and the General-Event Management XE Self-Service application to configure how a student's name is displayed in those pages.

The functionality delivered with this release:

- Will only be used by Banner Student XE Self-Service and the General-Event Management XE applications in the near future
- Will not change any name searching, formatting or masking capabilities in Banner 8.x (neither INB nor SSB)
- Will be adopted by the Student XE Self-Service and General-Event Management XE Self-Service applications in a phased approach as new releases provide the capability to use it

As more XE applications adopt the ability to reference the rules built in the new Name Display Rules (GUANDSP) form, those applications will provide additional instructions about how to enter the correct data in the form.

### New form

A new form has been added to support this enhancement.

### Name Display Rules Form (GUANDSP)

You can use this form to enable authorized users to create and maintain rules to define how names should be formatted.

This form has four tabs.

#### Single tab

This tab allows you to define a set of rules with up to 99 steps per usage to return a single format for a person's name.

#### *Inactivating a delivered or existing single Usage rule*

You can use the Name Display Rules (GUANDSP) form to inactivate a delivered or existing single Usage rule.

#### Procedure

1. Access the Name Display Rules (GUANDSP) form.
2. On the Single tab, query for or scroll to the Usage rule to be inactivated.

3. Deselect the **Active** check box.
4. Save the record.

### *Updating a delivered or existing single Usage rule*

You can use the Name Display Rules (GUANDSP) form to update a delivered or existing single Usage rule.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. On the Single tab, query for or scroll to the Usage rule to be modified.
3. Update the desired data field(s).
4. Save the record.

### *Creating a new single Usage rule*

You can use the Name Display Rules (GUANDSP) form to create a new single Usage rule.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. On the Single tab, insert a new record.
3. **Required:** Enter a new formatting rule name in the **Usage** field.
4. **Required:** Enter a numeric value in the **Priority** field.  
The number will determine the order in which the Usage rule is evaluated relative to the other Usage rules.
5. **Required:** Enter \*\*\*\*, !!!! or a valid value in the **Name Type** field.
  - a. \*\*\*\* indicates that only the current name record in the SPRIDEN table (where the SPRIDEN\_CHANGE\_IND is null) will be evaluated.
  - b. !!!! indicates that an error message should be returned.
  - c. A valid value in the Name Type field indicates that only SPRIDEN records with that value in the SPRIDEN\_NTYP\_CODE will be evaluated.
6. **Required:** Enter a numeric value in the **Maximum Length** field.  
The value specifies the overall length of the formatted name that is returned by the Usage rule.
7. Click the **Active** box if you want the new Usage rule to be available for the name formatting function and procedure.
8. **Optional:** In the **Sequence** fields associated with the **Name Prefix, First Name, Middle Name, Surname Prefix, Last Name, Name Suffix, Legal Name** and **Preferred First Name** fields, enter a numeric value to specify the order in which the name part should be displayed. For example:

- 
- a. Preferred First Name = 1
  - b. First Name = 2
  - c. Middle Name = 3
  - d. Last Name = 4

**Note:** If the name record does not contain a Preferred First name, then the name format returned by this rule would start with First Name.

9. **Optional:** In the **Length** fields associated with the **Name Prefix, First Name, Middle Name, Surname Prefix, Last Name, Name Suffix, Legal Name** and **Preferred First Name** fields, enter a numeric value to specify the number of characters from the name part that should be displayed.  
If no value is entered, the entire length of the name part will be displayed.
10. If ! ! ! ! was entered in the **Name Type** field, enter an error message that should be displayed for this Usage rule. You may use <PIDM>, <USAGE> or <ID> for substitution parameters in your message.
11. In the **Sequence** fields associated with the **Literal 1, Literal 2, Literal 3, Literal 4, Literal 5** and **Literal 6** fields, enter a numeric value to specify the order in which punctuation instead of a space should be inserted between name parts specified for the Usage rule.
12. In the **Value** fields associated with the **Literal 1, Literal 2, Literal 3, Literal 4, Literal 5** and **Literal 6** fields, enter a value enclosed by [ and ] to specify punctuation that should display instead of a space between name partS defined for the Usage rule. Insert < before [ if the value should display only if the preceding name part is null. Insert > before [ if the value should display only if the following name part is not null.
  - a. Example: your usage rule includes a middle initial, and you want to insert a period (.) after it, but only if there is a value in the middle name field. If you have not already defined another Literal for your Usage rule, the value in the **Sequence** field for **Literal 1** would be one number higher than the **Sequence** for the **Middle Name**, and in the **Value** field for **Literal 1** would be <[.]
  - b. Example: your usage rule includes the value from **Name Suffix**, if it exists, and you want to insert a comma after the last name. If you have not already defined another Literal for your Usage rule, the value in the **Sequence** field for **Literal 1** would be one number higher than the **Sequence** for the **Last Name**, and the **Value** field for **Literal 1** would be >[.]
13. **Optional:** Enter a description of the Usage rule in the **Comment** field.
14. Save the record.

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## Multiple tab

This tab allows you to define a rule that enables an array of names to be returned instead of just one.

### *Creating a new multiple Usage rule*

You can use the Name Display Rules (GUANDSP) form to create a new multiple Usage rule.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. Select the Multiple tab.
3. Insert a new record.
4. **Required:** Enter a value in the **Multiple Usage Name** field.
5. **Required:** Enter a numeric value in the **Sequence** field.  
The number will determine the order in which the Usage rule is evaluated relative to the other Usage rules.
6. Click the **Active** box if you want the new Usage rule to be available for the name formatting function and procedure.
7. **Required:** Enter the name of a usage rule previously defined on the Single tab.
8. **Required:** Enter a numeric value in the **Maximum Length** field.  
The value specifies the overall length of the formatted name that is returned by the Usage rule.
9. Save the record.

## Hierarchy tab

This tab allows you to define a set of hierarchy rules that should be followed to get a USAGE rule to be used on a certain set of pages as defined by Product, Application, Page, and Section.

### *Creating a Hierarchy rule to determine Usage rule*

You can use the Name Display Rules (GUANDSP) form to create a Hierarchy rule to determine a Usage rule.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. Select the Hierarchy tab.
3. **Required:** In the **Product** field, enter the name of the product (for example, GENERAL, STUDENT etc.) for which the Usage rule is being created.



4. **Optional:** In the **Application** field, enter the name of the application or module (for example, Event Self-Service, Advising, Faculty Grading etc.) for which the Usage rule is being created.
5. **Optional:** In the **Page** field, enter the name of the page (for example, Event Details, Advising List, Final Grades, Midterm Grades etc.) for which the Usage rule is being created.
6. **Optional:** In the **Section** field, enter the section of the page (for example, Body, HEADER, My Events, Class Roster etc.) for which the Usage rule is being created.
7. **Required:** In the **Usage** field, enter the Usage Name from a rule defined on the Single tab.
8. **Required:** In the **Maximum Length** field, enter a numeric value.  
The value specifies the overall length of the formatted name that is returned by the Usage rule.
9. Save the record.

## Test Rules tab

This tab allows you to test the rules as you are creating them.

### *Testing a single Usage rule*

You can test a single Usage rule and view the results of the entered Usage rule name in the Formatted Name Results window.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. Click the Test Rules tab.
3. In the **Usage** field, enter a Usage rule name defined on the Single tab.
4. Do not select the **Multiple** check box.
5. Enter the ID of the name to be tested.
6. Click the **Test** button.
7. View the results of the entered Usage rule name in the Formatted Name Results window.

### *Testing a multiple Usage rule*

You can test a multiple Usage rule and view the results of the entered Usage rule name in the Formatted Name Results window.

#### **Procedure**

1. Access the Name Display Rules (GUANDSP) form.
2. Click the Test Rules tab.
3. In the **Usage** field, enter a Multiple Usage Name rule defined on the Multiple tab
4. Select the **Multiple** check box.

5. Enter the ID of the name to be tested.
6. Click the **Test** button.
7. View the results of the entered Usage rule name in the Formatted Name Results window.

**Note:** A Multiple Usage Name rule of TEST ALL with the **Multiple** check box selected will display all defined name formats.

For more information about GUANDSP, see *Banner General Online Help*.

## New tables

Two new tables have been added to support this enhancement.

### Name Display Table (GURNDSP)

This table allows you to specify the rules for formatting names.

Column Name	Null?	Type	Description
GURNDSP_USAGE	NOT NULL	VARCHAR2(30)	USAGE: A value representing the name of a formatting rule when the TYPE = S. A value used to define a group of formatted names when the TYPE = M.
GURNDSP_TYPE	NOT NULL	VARCHAR2(1)	TYPE: A record indicator representing a specific rule (S) or a multiple rule (M).
GURNDSP_PRIORITY	NOT NULL	NUMBER	PRIORITY: A sequence number indicating the priority that name formatting rules should be applied for (S) records, or a sequence number indicating the order in which multiple

Column Name	Null?	Type	Description
			name formats (M) should be returned.
GURNDSP_MAX_LENGTH	NOT NULL	NUMBER	MAXIMUM LENGTH: The maximum length of a name that should be returned
GURNDSP_ACTIVE_IND	NOT NULL	VARCHAR2(01)	ACTIVE INDICATOR: Indicates if the rule is active. Valid values are (Y)es [Default] or (N)o.
GURNDSP_NTTYPE	NULL	VARCHAR2(30)	NAME TYPE: A value representing the SPRIDEN_NTYP_CODE associated with a name to be formatted. A value of **** indicates to use the current name record (For example: SPRIDEN_CHANGE_IND IS NULL). A value of !!!! indicates that an error message should be returned.
GURNDSP_NAME_PREFIX_SEQ	NULL	NUMBER	NAME PREFIX SEQUENCE: A number from 1-14 representing the order in which the SPBPERS_NAME_PREFIX should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_NAME_PREFIX_LEN	NULL	NUMBER	NAME PREFIX LENGTH: The length of the SPBPERS_NAME_PREFIX that should

Column Name	Null?	Type	Description
			be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_FIRST_NAME_SEQ	NULL	NUMBER	FIRST NAME SEQUENCE: A number from 1-14 representing the order in which the SPRIDEN_FIRST_NAME should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_FIRST_NAME_LEN	NULL	NUMBER	FIRST NAME LENGTH: The length of the SPRIDEN_FIRST_NAME that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_MI_SEQ	NULL	NUMBER	MIDDLE NAME SEQUENCE: A number from 1-14 representing the order in which the SPRIDEN_MI should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_MI_LEN	NULL	NUMBER	MIDDLE NAME LENGTH: The length of the SPRIDEN_MI that should be used in the formatting of

Column Name	Null?	Type	Description
			the name. A NULL value indicates the full length will be used.
GURNDSP_SURNAME_PREFIX_SEQ	NULL	NUMBER	SURNAME PREFIX SEQUENCE: A number from 1-14 representing the order in which the SPRIDEN_SURNAME_PREFIX should be used in the formatting of the name. A NULL value indicates the field will not be used. In addition if a masking rule **SSB_MASKING / F_FORMAT_NAME / SPRIDEN_SURNAME_PREFIX indicates "Not Visible", then the value will be suppressed
GURNDSP_SURNAME_PREFIX_LEN	NULL	NUMBER	SURNAME PREFIX LENGTH: The length of the SPRIDEN_SURNAME_PREFIX that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_LAST_NAME_SEQ	NULL	NUMBER	LAST NAME SEQUENCE: A number from 1-14 representing the order in which the SPRIDEN_LAST_NAME should be used in the formatting of the name. A NULL value indicates

Column Name	Null?	Type	Description
			the field will not be used.
GURNDSP_LAST_NAME_LEN	NULL	NUMBER	LAST NAME LENGTH: The length of the SPRIDEN_LAST_NAME that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_NAME_SUFFIX_SEQ	NULL	NUMBER	NAME SUFFIX SEQUENCE: A number from 1-14 representing the order in which the SPBPERS_NAME_SUFFIX should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_NAME_SUFFIX_LEN	NULL	NUMBER	NAME SUFFIX LENGTH: The length of the SPBPERS_NAME_SUFFIX that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_LEGAL_NAME_SEQ	NULL	NUMBER	LEGAL NAME SEQUENCE: A number from 1-14 representing the order in which the SPBPERS_LEGAL_NAME should be used in the formatting of the name. A NULL value indicates

Column Name	Null?	Type	Description
			the field will not be used.
GURNDSP_LEGAL_NAME_LEN	NULL	NUMBER	LEGAL NAME LENGTH: The length of the SPBPERS_LEGAL_NAME that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_PREF_NAME_SEQ	NULL	NUMBER	PREFERRED FIRST NAME SEQUENCE: A number from 1-14 representing the order in which the SPBPERS_PREF_FIRST_NAME should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_PREF_NAME_LEN	NULL	NUMBER	PREFERRED FIRST NAME LENGTH: The length of the SPBPERS_PREF_FIRST_NAME that should be used in the formatting of the name. A NULL value indicates the full length will be used.
GURNDSP_LIT_1_SEQ	NULL	NUMBER	LITERAL 1 SEQUENCE: A number from 1-14 representing the order in which LITERAL 1 should be used in the formatting of the name. A NULL

Column Name	Null?	Type	Description
			value indicates the field will not be used.
GURNDSP_LIT_1_VALUE	NULL	VARCHAR2(50)	LITERAL 1 VALUE: A literal value enclosed in [ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_LIT_2_SEQ	NULL	NUMBER	LITERAL 2 SEQUENCE: A number from 1-14 representing the order in which LITERAL 2 should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_LIT_2_VALUE	NULL	VARCHAR2(50)	LITERAL 2 VALUE: A literal value enclosed in [ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_LIT_3_SEQ	NULL	NUMBER	LITERAL 3 SEQUENCE: A



Column Name	Null?	Type	Description
			number from 1-14 representing the order in which LITERAL 3 should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_LIT_3_VALUE	NULL	VARCHAR2(50)	LITERAL 3 VALUE: A literal value enclosed in [ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_LIT_4_SEQ	NULL	NUMBER	LITERAL 4 SEQUENCE: A number from 1-14 representing the order in which LITERAL 4 should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_LIT_4_VALUE	NULL	VARCHAR2(50)	LITERAL 4 VALUE: A literal value enclosed in [ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field

Column Name	Null?	Type	Description
			is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_LIT_5_SEQ	NULL	NUMBER	LITERAL 5 SEQUENCE: A number from 1-14 representing the order in which LITERAL 5 should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_LIT_5_VALUE	NULL	VARCHAR2(50)	LITERAL 5 VALUE: A literal value enclosed in [ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_LIT_6_SEQ	NULL	NUMBER	LITERAL 6 SEQUENCE: A number from 1-14 representing the order in which LITERAL 6 should be used in the formatting of the name. A NULL value indicates the field will not be used.
GURNDSP_LIT_6_VALUE	NULL	VARCHAR2(50)	LITERAL 6 VALUE: A literal value enclosed in

Column Name	Null?	Type	Description
			[ and ] to be used instead of a space between name parts. If <[ is used then the value will only be used if the following field is not null. Using >[ indicate the value will only be used if the prior field is not null.
GURNDSP_ERROR_MESSAGE	NULL	VARCHAR2(500)	ERROR MESSAGE: An optional error message that is only used when Name Type = !!!! to return a non-default message when the formatting rules are not satisfied. You may use <PIDM>, <USAGE> or <ID> for substitution parameters in your message.
GURNDSP_COMMENTS	NULL	VARCHAR2(4000)	COMMENTS: Optional comments defining the use of this rule.
GURNDSP_ACTIVITY_DATE	NULL	DATE	ACTIVITY DATE: This field identifies the most recent date a record was created or updated.
GURNDSP_USER_ID	NULL	VARCHAR2(30)	USER ID: The ID for the user that most recently updated the record.
GURNDSP_SURROGATE_ID	NULL	NUMBER(19)	SURROGATE ID: Immutable unique key.

Column Name	Null?	Type	Description
GURNDSP_VERSION	NULL	NUMBER(19)	VERSION: Optimistic lock token.
GURNDSP_DATA_ORIGIN	NULL	VARCHAR2(30)	DATA ORIGIN: Source system that created or updated the data.
GURNDSP_VPDI_CODE	NULL	VARCHAR2(6)	VPDI CODE: Multi- entity processing code.

### Name Display Hierarchy Table (GURNHIR)

This table allows you to specify the rules for determining the Name Format Usage Rule (GURNDSP) based upon Product, Application, Page, or Section.

Column Name	Null?	Type	Description
GURNHIR_PRODUCT	NOT NULL	VARCHAR2(200)	PRODUCT: A case insensitive value used optionally with Application, Page, and Section to determine a Name Formatting Usage Rule.
GURNHIR_APPLICATION	NULL	VARCHAR2(200)	APPLICATION: A case insensitive value used with Product and optionally with Page and Section to determine a Name Formatting Usage Rule.
GURNHIR_PAGE	NULL	VARCHAR2(200)	PAGE: A case insensitive value used with Product and Application and optionally with Section to determine a Name Formatting Usage Rule.

<b>Column Name</b>	<b>Null?</b>	<b>Type</b>	<b>Description</b>
GURNHIR_SECTION	NULL	VARCHAR2(200)	SECTION: A case insensitive value used with Product, Application and Page to determine a Name Formatting Usage Rule (GURNDSP).
GURNHIR_USAGE	NULL	VARCHAR2(30)	USAGE: A value representing the name of a formatting rule based upon the Product / Application / Page / Section.
GURNHIR_ACTIVE_IND	NULL	VARCHAR2(1)	ACTIVE INDICATOR: Indicates if the rule is active. Valid values are (Y)es [Default] or (N)o.
GURNHIR_MAX_LENGTH	NULL	NUMBER	MAXIMUM LENGTH: The maximum length of a name that should be returned.
GURNHIR_ACTIVITY_DATE	NULL	DATE	ACTIVITY DATE: This field identifies the most recent date a record was created or updated.
GURNHIR_USER_ID	NULL	VARCHAR2(30)	USER ID: The ID for the user that most recently updated the record.
GURNHIR_SURROGATE_ID	NULL	NUMBER (19)	SURROGATE ID: Immutable unique key.
GURNHIR_VERSION	NULL	NUMBER (19)	VERSION: Optimistic lock token.
GURNHIR_DATA_ORIGIN	NULL	VARCHAR2(30)	DATA ORIGIN: Source system that created or updated the data.

Column Name	Null?	Type	Description
GURNHIR_VPDI_CODE	NULL	VARCHAR2(6)	VPDI CODE: Multi-entity processing.

## New objects

The following objects are new for this release.

Objects	Description
dbprocs/gokname0.sql	Package Specification
dbprocs/gokname1.sql	Package body
forms/guandsp.fmb	Form
ddl/gurnhir_080805_01.sql	GURNHIR – Name Display Hierarchy Table - definition
ddl/gurnhir_080805_02.sql	GURNHIR – Name Display Hierarchy Table - UK definition
ddl/gurnhir_080805_03.sql	GURNHIR – Name Display Hierarchy Table - table and column comments
ddl/gurndsp_080805_01.sql	GURNDSP – Name Display Table - definition
ddl/gurndsp_080805_02.sql	GURNDSP – Name Display Table - PK definition
ddl/gurndsp_080805_03.sql	GURNDSP – Name Display Table - table and column comments
ddl/gurndspi_080805.sql	GURNDSP – Name Display - seed data
dml/gurmenui_080805.sql	New menu entry in *GENMISC for GUANDSP
dml/gubobjsi_080805.sql	Definition of Form for GUAOBS