CST-Save Model

This section describes the CST-Save model, which is used to generate the save subprogram for a model. The save subprogram writes the specification parameters to the source buffer.

This section covers the following topics:

- Introduction

- Parameters for the CST-Save Model

- User Exits for the CST-Save Model

Introduction

To read an existing program, your model must have both a save and a read subprogram. The save subprogram must contain a separate WRITE statement for each specification parameter (#PDAX variable). Use the equal sign (=) notation to include the variable contents with the name of the variables. For example:

```
WRITE(SRC) NOTITLE '=' #PDAX-variable-name
```

Note:
Use a separate WRITE statement for each component of an array.

For an example of a save subprogram, refer to CUMNS in the SYSCST library.

Parameters for the CST-Save Model

Use the CST-Save model to create the save subprogram. This model has one specification panel, Standard Parameters.

Standard Parameters Panel

```
  CUGAMA                        CST-Save Subprogram                      CUG-MA1
  Feb 27                         Standard Parameters                     1 of 1

   Module name ........ CXMNS___
   Parameter data area  CXMNPDA_ *

   Title ............. Save ..._____
   Description ....... Save parameter specification ..._____
                       _____
                       _____
                       _____












  Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
        help  retrn quit                                          userX main
```

The input fields on the Standard Parameters panel are:

Field	Description
Module name	Name specified on the Generation main menu. The name of the save subprogram must be alphanumeric and no more than eight characters in length. Use the following naming convention: CXxxS where *xx* uniquely identifies your model.
Parameter data area	Name of the parameter data area (PDA) for your model. Natural Construct determines the name of the PDA based on the Module name specified on the Generation main menu. For example, if you enter "CXMNS", Natural Construct assumes the PDA name is CXMNPDA. Use the following naming convention: CXxxPDA where *xx* uniquely identifies your model.
Title	Title for the generated subprogram. The title identifies the subprogram for the List Generated Modules function on the Generation main menu and is used internally for program documentation.
Description	Brief description of the subprogram. The description is inserted in the banner at the beginning of the subprogram and is used internally for program documentation.

User Exits for the CST-Save Model

```
CSGSAMPL                     CST-Save Subprogram                        CSGSM0
Feb 27                            User Exits                            1 of 1

             User Exits               Exists    Sample   Required Conditional
    -------------------------------- -------- ---------- -------- ------------
   _  CHANGE-HISTORY                           Subprogram
   _  PARAMETER-DATA
   _  LOCAL-DATA                               Example
   _  START-OF-PROGRAM
   X  SAVE-PARAMETERS                          Subprogram    X
   _  BEFORE-CHECK-ERROR                       Example
   _  ADDITIONAL-INITIALIZATIONS               Example
   _  END-OF-PROGRAM
```

For information about these user exits, see Supplied User Exits. For information about using the User Exit editor, see *User Exit Editor*, *Natural Construct Generation*.