CST-Document Model

This section describes the CST-Document model, which is used to create the documentation subprogram for a model. The documentation subprogram writes information about Natural Construct-generated modules to the Predict data dictionary.

This section covers the following topics:

- Introduction

- Parameters for the CST-Document Model

- User Exits for the CST-Document Model

Introduction

After defining the generation and sample subprograms, you must generate the documentation subprogram to write information about Natural Construct-generated modules in the Predict data dictionary. This information includes a description of the module, as well as a description of the PF-keys and specification parameters for the module.

Note:
Before you can document information about the generated modules, you must define the #PDAX-DESCS(*) field within the model PDA.

Generated using the CST-Document model, this subprogram creates a free-form description of the generated module using the specifications from the model panels. You can write this information in any language for which you have translated help text members.

The documentation subprogram writes the model description to Predict when the developer invokes the Save Specification and Source function or the Stow Specification and Source function on the Generation main menu and presses PF5 (optns). For a description of the Generation main menu, see *Generation Main Menu*, *Natural Construct Generation*.

Note:
For an example of a generated documentation subprogram, refer to CUMND in the SYSCST library.

Parameters for the CST-Document Model

Use the CST-Document model to generate the documentation subprogram. This model has two specification panels:

- Standard Parameters Panel

- Additional Parameters Panel

Standard Parameters Panel

```
 CUGDMA                      CST-Document Subprogram                    CUGDMA0
 Apr 02                        Standard Parameters                      1 of 2

  Module name ........ CXMND___
  Model name ......... _____ *
  Maps .............. _____ _____ _____ _____ _____ *
                      _____ _____ _____ _____ _____ *
  Translation LDAs ... _____ _____ _____ _____ _____ *
                      _____ _____ _____ _____ _____ *

  Title ............. Document ..._____
  Description ........ Writes Predict documentation for ..._____
                      _____
                      _____
                      _____




 Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      help   retrn quit                                         right 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 documentation subprogram must be alphanumeric and no more than eight characters in length. Use the following naming convention: CXxxD where *xx* uniquely identifies your model.
Model name	Name of the model that uses the documentation subprogram. The model must be defined.
Maps	Names of all maps (specification panels) used by the model. The documentation subprogram retrieves the specification parameters from the specified maps.
Translation LDAs	Names of the translation local data areas (LDAs) for the specified maps. You can specify the names of up to 10 translation LDAs. For information about translation LDAs, see Step 7: Create the Translation LDAs and Maintenance Maps.
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.

Additional Parameters Panel

```
  CUGDMB                     CST-Document Subprogram                    CUGDMB0
  Apr 02                       Additional Parameters                     2 of 2


    Help Text .......... Type ..... _
                         Major .... _____
                         Minor .... _____


        Description
     1     _____
     2     _____
     3     _____
     4     _____
     5     _____
     6     _____
     7     _____
     8     _____
     9     _____
    10     _____



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

On this panel, you do one of the following:

- Specify the Type, Major, and Minor help text components in the applicable fields.

  Natural Construct retrieves the description of all modules generated by the model from the Help Text subsystem.

- Enter a brief description of all modules generated by the model on the lines displayed in the Description field.

  The description is written to the Predict data dictionary.

User Exits for the CST-Document Model

```
CSGSAMPL                    Natural Construct                    CSGSM0
Apr 02                    CST-Document User Exits                  1 of 1

          User Exit                  Exists    Sample   Required Conditional
  -------------------------------- -------- ---------- -------- ------------
  _   CHANGE-HISTORY                          Subprogram
  _   LOCAL-DATA
  _   START-OF-PROGRAM
  _   ADDITIONAL-TRANSLATIONS
  _   ADDITIONAL-INITIALIZATIONS              Example
  _   DESCRIBE-INPUTS                         Example
  _   PF-KEYS                                 Subprogram
  _   MISCELLANEOUS-VARIABLES                 Subprogram
  _   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*.