

#### VIII.4.3B FORECAST COMPONENT OPERATION SYSTEM DOCUMENTATION

The system documentation for the Operation in the Section VIII.3.3 and is in two parts:

1. general system documentation for the Operation
2. subroutine documentation

The following information should be included:

##### **General System Documentation**

Name of Operation: Same as given in the user documentation.

Identifier: Same as given in the user documentation.

Operation Number: Give the integer number used to internally identify the Operation.

Developed By: Give the name of the developer of the Operation.

Parameter Array: List the order in which the information is stored in the parameter array associated with the Operation. Also, give the internal FORTRAN name assigned to the parameter array (e.g., PO array).

Use the following form:

<u>Position</u>	<u>Contents</u>
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Carryover Array: Give the internal name assigned to the carryover array and list the order that carryover values are stored. Indicate if there is no carryover array.

Use the following form:

<u>Position</u>	<u>Contents</u>
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Subroutine Names and Functions: Give the names of all the subroutines associated with this Operation and the main function of each.

Use the following form:

<u>Subroutine</u>	<u>Function</u>
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After this table indicate which of the subroutines use the standard argument lists that are in Section VIII.4.2. The standard argument lists are:

1. Parameter input subroutine:

SUBROUTINE PINn (PO,LEFTP,IUSEP,CO,LEFTC,IUSEC)

or

SUBROUTINE PINn (PO,LEFTP,IUSEP) if no carryover values

2. Print parameter subroutine:

SUBROUTINE PRPn (PO)

3. Print carryover subroutine:

SUBROUTINE PRCn (PO,CO)

4. Carryover transfer subroutine:

SUBROUTINE COXn (POLD,COLD,PONEW,CONEW)

5. Card punch subroutine:

SUBROUTINE PUCn (PO,CO)

or

SUBROUTINE PUCn (PO) if no carryover values

All subroutines that use the standard argument lists do not have to be documented separately in the second part of the program documentation section.

### **Subroutine Documentation**

The execution subroutine and any other subroutines associated with the Operation that do not use the standard argument lists should be documented. The documentation for each subroutine should start on new page and should contain the following items:

Name: The name of the subroutine should appear at the top of the page in the form:

SUBROUTINE XXXn (A,B,C,D,etc.)

Use the FORTRAN identifiers used in the subroutine to refer to each argument.

Function: Describe the function of the subroutine.

Argument list: Describe each variable in the argument list.

Indicate whether each variable is used for input, output or both, the variable type (i.e., real, integer) and the dimension; and give a brief description of the contents of each variable.

Use the following form:

<u>Variable</u>	<u>Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
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