VI.3.4B PROGRAM FCINIT COMMANDS, SYNTAX RULES AND EXAMPLES

This Section describes the following program FCINIT commands:

Command 1/	Purpose	
@CGDEF	Define Carryover Groups	[Hyperlink]
@DEF-RC	Define or redefine Rating Curves	[Hyperlink]
@DELETE	Delete Forecast Groups, Carryover Groups, Segments and Rating Curves	[Hyperlink]
@FGDEF	Define Forecast Groups	[Hyperlink]
@INCLUDE	Include card input from a file	[Hyperlink]
@PRINTOPS	Print carryover and selected parameter values for certain operations in a tabular form	[Hyperlink]
@PRINTRC	Print Rating Curve definitions	[Hyperlink]
@PRINTSEGS	Print Segment definitions	[Hyperlink]
@PUNCHCG	Card image output of Carryover Group definitions	[Hyperlink]
@PUNCHCHR	Card image output of character string	[Hyperlink]
@PUNCHFG	Card image output of Forecast Group definitions	[Hyperlink]
@PUNCHRC	Card image output of Rating Curve definitions	[Hyperlink]
@PUNCHSEGS	Card image output of Segment definitions	[Hyperlink]
@RESEGDEF	Redefine Segments	[Hyperlink]
@SEGDATE	Date carryover for Segments or Forecast Groups not associated with Carryover Groups	[Hyperlink]
@SEGDEF	Define Segments	[Hyperlink]
@SPECIALFG	Define special Forecast Groups	[Hyperlink]
@STATUS	Print status information	[Hyperlink]

1/ The '@' is optional.

Input to all commands is in free format.

Input fields must be entered using the following rules in order to be correctly interpreted:

Field Location: Only columns 1 through 72 of the input record are interpreted. The first field can start in any column on the input record.

Delimiters: Two successive fields on a record must be separated by at least one blank or one comma. For example:

                          SEGS TEST1,TEST2   TEST3

Null Fields: A null field is two consecutive commas. One null field would be specified as follows:

                          SEGS TEST1 ,, TEST4

Continuations: Certain commands require lists of fields to be input. These fields may be placed on as many input records as are needed. If a continuation record is needed, an ampersand must be the last field on the record. For example:

                          SEGS TEST1 TEST2 &
                                TEST3 &
                                TEST4

Special Characters: Special characters are defined as those symbols used as delimiters. If one of these symbols must be imbedded within an field on a record, the entire field should be enclosed in single quotes. For example:

                          DESCR 'TEST OF FREE FORMAT: 1,2,AND 3'

Date Formats: The formats for entering dates are the same formats used for dates in the Hydrologic Command Language (HCL) (see Section VI.5.2B).

Examples

The following examples show how to use combinations of FCINIT commands to make changes to Forecast Component definitions.

The examples shown are:

   1. adding a new Forecast Group to a Carryover Group

   2. redefining an existing Forecast Group that belongs to the

Carryover Group

   3. splitting one Segment that belongs to a Forecast Group in the
      Carryover Group into two Segments with one retaining the same
      name as the old Segment

The Carryover Group OHTEST has 5 Forecast Groups. Forecast Group
HEADWTR has of 6 Segments. The default input time zone code for the
user is EST and today is 08/25/1981.

Identifiers:

   Carryover Group: OHTEST   (Title: 'OHTEST RIVER SYSTEM')

   Forecast Groups in OHTEST (in order of execution):
      HEADWTR   (Title: 'UPPER REGION RIVER')
      BRANCH
      CONFLNCE
      LAZYRIVR
      DELTA

   Segments in HEADWTR (in order of execution):
      RIDGE
      PEAK
      BOWL
      STEPS
      CHUTE
      FALLS

Dates of carryover:

   1. 08/14/1981-07EST
   2. 08/21/1981-07EST
   3. 08/22/1981-07EST
   4. 08/23/1981-07EST
   5. 08/24/1981-07EST
   6. 08/25/1981-07EST

Example 1:

A new Forecast Group DAMREACH is to be added to Carryover Group OHTEST
and is to be executed between CONFLNCE and LAZYRIVR. DAMREACH has
already been defined. The Carryover Group must first be deleted and
then defined with the new list of Forecast Groups and all current
carryover dates. The following commands are used to add the Forecast
Group to the Carryover Group:

   DELETE
      CGROUP   OHTEST
      END
   CGDEF
      IDENTIFIER   OHTEST
      TITLE   'OHTEST RIVER SYSTEM'
      FGROUPS   HEADWTR BRANCH CONFLNCE DAMREACH LAZYRIVR DELTA
      DATE   08148107EST 08218107 082281 0823 0824 082508EDT

```
          END

Example 2:

A new Segment POOL to be executed last is to be added to the Forecast
Group HEADWTR.  The Carryover Group and Forecast Group must deleted
and redefined.  The following commands are used to accomplish this:

    DELETE
       CGROUP  OHTEST
       FGROUP  HEADWTR
       END
    FGDEF
       IDENTIFIER  HEADWTR
       TITLE        'UPPER REGION RIVER'
       SEGMENTS     RIDGE PEAK BOWL STEPS CHUTE FALLS  POOL
       END
    CGDEF
       IDENTIFIER  OHTEST
       TITLE  'OHTEST RIVER SYSTEM'
       DATE  0814  *-04  *-03  *-02  *-01  *
       FGROUPS  HEADWTR  BRANCH  CONFLNCE  LAZYRIVR  DELTA
       END

Example 3:

A Segment that belongs to a Forecast Group and a Carryover Group is to
be split into two Segments.  One of the new Segments has the same name
as the old one and both of the two new Segments will be in the same
Forecast Group (HEADWTR) that held the old Segment.  The old Segment
name is FALLS and the second Segment name will be POOL.  The Carryover
Group and Forecast Group must be deleted, one Segment must be
redefined, one Segment must be defined and both the Forecast Group and
Carryover Group must be redefined.  The RSDEGDEF for Segment FALLS
cannot be done until FGROUP HEADWTR is deleted since the downstream
Segment is being changed.  The commands to do this are:

           10        20        30        40
    ----+----+----+----+----+----+----+----+
    SEGDEF
    IDENTIFIER  POOL           39.2      88.1
    TITLE      BIG POOL POINT
    UPSTREAM     FALLS
    DOWNSTREAM
       .
       Time series definition for Segment POOL
       Operations Table definition for Segment POOL
       .
    END
    DELETE
       CGROUP  OHTEST
       FGROUP  HEADWTR
       END
    RESEGDEF
    IDENTIFIER  FALLS          39.1      88.3
```

```
TITLE       FLOW AT FALLS
UPSTREAM    CHUTE
DOWNSTREAM  POOL
   .
   Time series definition for Segment FALLS
   Operations Table definition for Segment FALLS
   .
END
FGDEF
   IDENTIFIER  HEADWATER
   TITLE       'UPPER REGION RIVER'
   SEGMENTS    RIDGE PEAK BOWL STEPS CHUTE FALLS POOL
   END
CGDEF
   IDENTIFIER  OHTEST
   TITLE       'OHTEST RIVER SYSTEM'
   FGROUPS     HEADWTR BRANCH CONFLNCE LAZYRIVR DELTA
   DATE        0814  0821  0822  0823  0824  0825
   END
```