Purpose

Command DEFSEG defines an ESP Segment.

Input Summary

Card	Format	Columns	Contents
1		1-6	'DEFSEG'
	4X,A8	11-18	Segment identifier
2+			Subcommands
Last		1-6	'ENDSEG‹

Subcommands

Command	Purpose
DEF-TS	Define time series which must be redefined for ESP
ANALYSIS	Define output variables and displays for analysis in an ESP Segment

Example

The following example redefines the ESP Segment DILLONHW. The input needed to define DILLONHW is the same as the redefine input except for the command name.

In this example the MAP time series are input from DATACARD files. The MAT time series are generated by blending forecast data from the processed data base with historical data from DATACARD files. The weight given the forecast data varies from 1.0 to 0.5 over a 120 hour weighting period. The length of the blending period is 4 days. The PTPE time series is generated with the CREAT-PE procedure. The observed instantaneous discharge time series is replaced with the historical observed mean daily. The analysis consists of output variables MXMD and SUM for the 6-hour simulated instantaneous discharge time series and the observed mean daily discharge time series. The SUMMARY and FREQUENCY displays have been defined for both output variables.

```
                                  - Column -
    5   10   15   20   25   30   35   40   45   50   55   60   65   70   75   80
----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+----+
SAMPLE INPUT FOR THE DEFSEG OR REDEFSEG COMMANDS
REDEFSEG  DILLONHW
DEF-TS
MAP25      MAP     6            INPUT         CARD
DillonResInfUpr2_MAP
```

```
MAT31      MAT     6            INPUT         GENR
BLEND-TS
1.0  0.5    120    4
DillonResInfUpr_MAT
PTPE1      PTPE   24            INPUT         GENR
CREAT-PE
  0.3  0.3  0.8  2.0  3.5  5.0  8.2  8.0  5.8  2.8  1.2  0.3
MAP26      MAP     6            INPUT         CARD
DillonResInfUpr1_MAP
MAT32      MAT     6            INPUT         GENR
BLEND-TS
1.0  0.5    120    4
DillonResInfLwr_MAT
QINE16     QINE    6           OUTPUT         ESP
DILLONHW
QIN16      QIN     6            INPUT          REPL
DILLONHW   QME    24            INPUT          CARD
DillonResInf_QME
END
ANALYSIS
MXMD      A             2    2DILLON INFLOW
QINE16     QINE    6 SIM
DILLONHW   QME    24 OBS
SUMMARY
FREQUENCY
    0    0    2    1    1
    1    1    1    1    1    1
SUM       A             2    2DILLON INFLOW
QINE16     QINE    6 SIM
DILLONHW   QME    24 OBS
SUMMARY
FREQUENCY
    0    0    3    1    1
    1    1    1    1    1    1
END
ENDSEG
STOP
```