

IX.3.3B-SYSTEM-SETUP1 SUBROUTINE SETUP1

Description

Subroutine SETUP1 calls input and Operations Table entry subroutines for Operations 1 through 19.

Calling Sequence

CALL SETUP1 (P,MP,C,MC,T,MT,TS,MTS,D,MD,NWORK,LWORK,IDT,IPASS,
NXP2,LEFTP,IUSEP,NXC2,LEFTC,IUSEC,NXT,LEFT,IUSET,
ISKIP,NEXTP,NXP,NEXTC,NXC,NUMOP,IERR)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
P	Output	R*4	MP	Array P [Hyperlink]
MP	Input	I*4	1	Dimension of array P
C	Output	R*4	MC	Array C [Hyperlink]
MC	Input	I*4	1	Dimension of array C
T	Output	I*4	MT	Array T [Hyperlink]
MT	Input	I*4	1	Dimension of array T
TS	Input	R*4	MTS	Array TS [Hyperlink]
MTS	Input	I*4	1	Dimension of the TS array
D	Input	R*4	MD	Array D [Hyperlink]
MD	Input	I*4	1	Dimension of array D
NWORK	Input	I*4	1	Next unused position in array D; used for work space
LWORK	Output	I*4	1	Length of work space needed by the Operation
IDT	Output	I*4	1	Computational data time interval for the Operation (units of HR)
IPASS	Input	I*4	1	Control indicator: 0 = call parameter input subroutine 1 = call Operations Table entry subroutine

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NXP2	Input	I*4	1	Starting location of the second part of the portion of array P assigned to the Operation
LEFTP	Input	I*4	1	Space available in array P for the Operation
IUSEP	Output	I*4	1	Amount of space in array P used by the Operation
NXC2	Input	I*4	1	Starting location of the second part of the portion of array C assigned to the Operation
LEFTC	Input	I*4	1	Space available in array C for the Operation
IUSEC	Output	I*4	1	Amount of space in array C used by the Operation
NXT	Input	I*4	1	Starting location of the portion of array T assigned to the Operation
LEFTT	Input	I*4	1	Space available in array T for the Operation
IUSET	Output	I*4	1	Amount of space in array T used by the Operation
ISKIP	Output	I*4	1	Control flag: 0 = parameter input subroutine executed properly 1 = error encountered in parameter input subroutine; skip the rest of the Operation definition
NEXTP	Output	I*4	1	Starting location of the next Operation in array P; output only if NUMOP=4
NXP	Input	I*4	1	Starting location of the Operation in array P
NEXTC	Output	I*4	1	Starting location of the next Operation in array C; output only if NUMOP=4
NXC	Input	I*4	1	Starting location of the Operation in array C

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NUMOP	Input	I*4	1	Operation number [Hyperlink]
IEERR	Output	I*4	1	Error indicator: 0 = no errors 1 = parameter input and Operations Table entry subroutines for the Operation are not included in this subroutine