

conversion technical bulletin

Basic Systems

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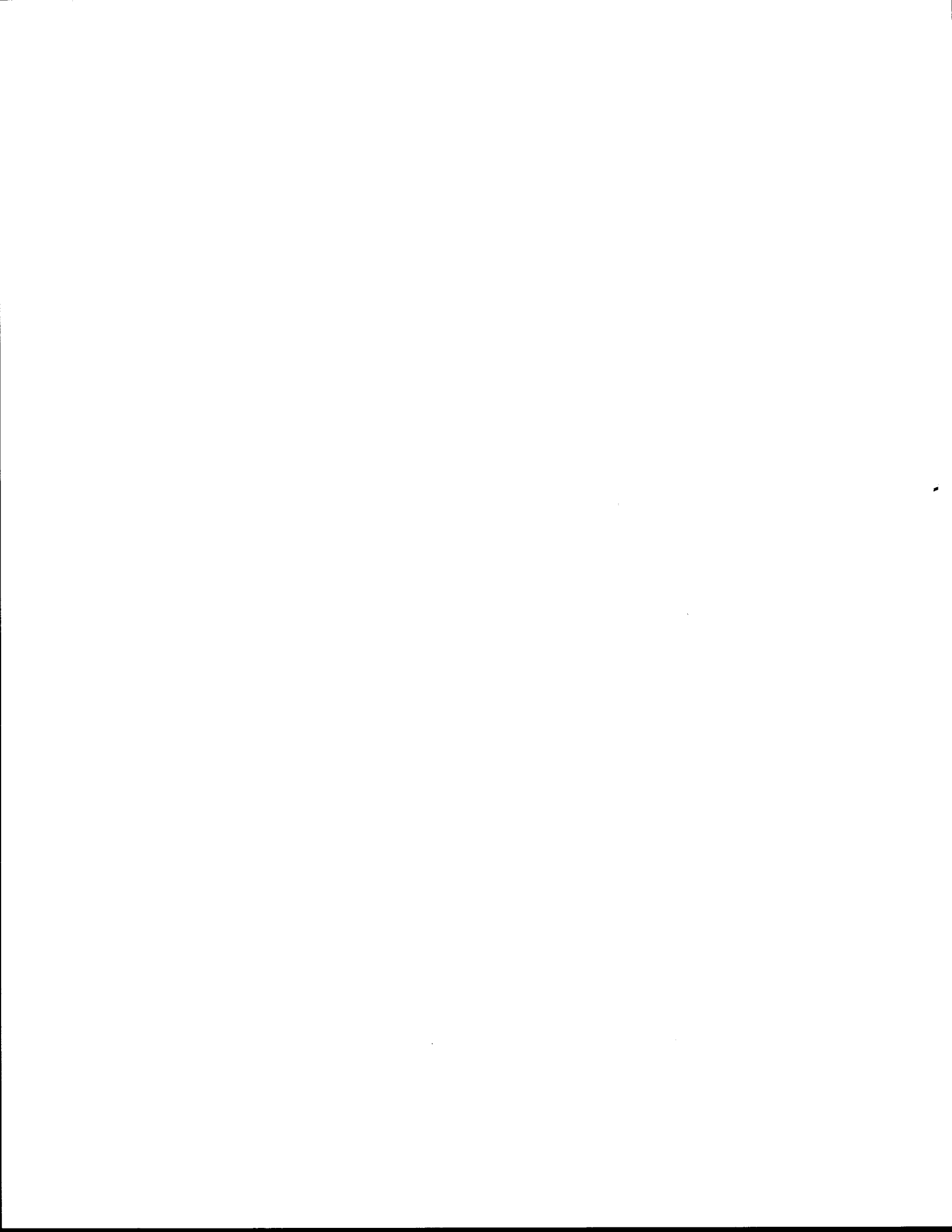
COBTRN300 SERIES COBOL CONVERTERS PARAMETERS - REQUIRED VS OPTIONAL

The table on the following page is presented to clarify parameter requirements and defaults, and to exemplify how time savings may be obtained by utilizing these characteristics.

Parameters are listed and detailed in the Installation Memorandum for the COBTRN300 series release (currently 4.1).

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PARAM	Required/Optional	Default	In effect
CIC	Minimum once (with first PARAM group)	See NOTE 1 below	Until respecified; resets all other parameter values
SMI	For each PARAM group	See NOTE 1 below	For execution of PARAM group only
SMO	For each PARAM group or default value	Value of SMI if program; value of CCM if COPY	For execution of PARAM group only
SLI	Minimum once (with first PARAM group) or default value	CONVIN	Until respecified
SLO	Minimum once (with first PARAM group) or default value	CONVOT	Until respecified
SEQ	Optional	Begin at 000010 increment by 10	Until respecified
C73	Optional	BLANK (spaces)	Until respecified
CPY	Optional	N (no COPY)	Until respecified
CCM	Required if CPY=C specified; assumes CPY=C if specified	See NOTE 1 below	For execution of PARAM group only
TRN	Optional	N (no translate)	Until respecified; first in new PARAM group negates all previous values
LST	Optional	AA (entire list) See NOTE 2 below	Until respecified
*nm	Optional	See NOTE 3 below	Until respecified

NOTE 1: Null indicates that parameter must be specified at least once during the job and possibly for each PARAM group.

NOTE 2: Refer to CPY parameter in Installation Memorandum for output listing if AC, DC, or DD is specified.

NOTE 3: Refer to COBTRN300 SERIES, COBOL CONVERTERS, Option Switches and Diagnostics, UA-0427 for option switch default values.

Although multiple parameters may occur on one line, for explanatory reasons, this example contains one parameter per line. The parameters immediately follow // EXEC COBTRN. Job control is not shown here.

```
// PARAM CIC=OS4           OS/4 COBOL is the input language
// PARAM SMI=PROG1        PROG1 is the input program in library
                           specified by LFD name INPUT in SLI parameter
// PARAM SMO=PROG1A       PROG1A is the name assigned to the output
                           program in library specified by LFD OUTPUT
// PARAM SLI=INPUT        INPUT is the LFD name of the input library
// PARAM SLI=OUTPUT       OUTPUT is the LFD name of the output library
// PARAM SEQ=000100       Sequence of all programs will begin with
                           000100 with increments of 100
// PARAM C73=SMO         Columns 73-80 will contain the value of the
                           respective SMO names
// PARAM TRN=H(53=77)     Translate hex value 53 to hex value 77
// PARAM TRN=C(@=')      Translate character @ to '
// PARAM LST=DC           List option in effect until reset or CIC
// PARAM *O7=1           Option O7=1 in effect until reset or CIC
// PARAM END              End of group; convert PROG1
// PARAM SMI=PROG2       New input program; SMO (default) will also
                           be PROG2; previous parameters in effect
// PARAM END              End of group; convert PROG2
// PARAM SMI=PROG3       New input program; SMO (default) will also
                           be PROG3; previous parameters in effect
// PARAM END              End of group; convert PROG3
// PARAM CIC=OS3         OS/3 COBOL is the new input language; all
                           parameters are reset to default
// PARAM SMI=PROG4       New input program; SMO will also be PROG4
// PARAM C73=COL1-6      Contents of columns 1-6 moved to 73-80
// PARAM TRN=H(00=FF)    Hex value translation
// PARAM END              End of group; convert PROG4
// PARAM SMI=PROG5       New input program; SMO will also be PROG5
// PARAM END              End of group; convert PROG5; C73 in effect
// PARAM SMI=PROG6       New input program; SMO will also be PROG6
// PARAM *O3=1           Option switch O3 set to value 1
// PARAM END              End of group; convert PROG6; C73=COL1-6 and
                           option switch *O3=1 still in effect
// PARAM CIC=H62         New COBOL input language is Honeywell 62;
                           all other parameter values reset to default
// PARAM SMI=PROG7       New input program
// PARAM SMO=PROG7A      No effect when CPY=C is specified
// PARAM C73=KEEP        Columns 73-80 to remain as is
// PARAM CPY=C           Indicates conversion of COPY module only
// PARAM CCM=COPY1       To convert COPY module COPY1
// PARAM END              End of group; convert COPY1
// PARAM SMI=PROG7       Same input program as previous group
// PARAM CCM=COPY3       To convert different COPY module (COPY3)
/&                        END not needed for last group; convert COPY3
```

By realizing which parameters are to remain constant and which will vary, considerable coding can be saved when creating an extensive parameter stream. For example, the parameter stream below will:

1. Specify the COBOL input language for all programs as OS/3.
2. Specify (by default) the LFD input name of CONVIN, output CONVOT.
3. Transfer columns 1-6 into columns 73-80 for all programs.
4. Convert programs PROG11 through PROG15 with the output modules containing the same name. Note unless two separate libraries (input and output) are established in Job Control, input modules will be overwritten by output modules when the same name is used for both either specifically or by default.

```
// JOB CONVS3
// DVC 20 // LFD PRNTR
// DVC 50 // VOL A12345 // LBL IN.LIBRARY // LFD CONVIN
// DVC 51 // VOL B12345 // LBL OUT.LIBRARY // LFD CONVOT
// EXEC COBTRN
// PARAM CIC=OS3,C73=COL1-6
// PARAM PROG11,END
// PARAM PROG12,END
// PARAM PROG13,END
// PARAM PROG14,END
// PARAM PROG15
/&
```