



# ASLPARMC

## *Program Information*

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# 1 Overview

The program, **ASLPARMC**, is an assembler program that will take the parameter passed on the JCL EXEC statement and write it to the OUTPUT DD card. This is useful if you need to pass variable data into a SYSIN card for processing later in the job stream.

The features of **ASLPARMC** include:

- The ability to automatically fold the parameter string to uppercase.
- The ability to add a continuation character in column 72 of the generated output. (This requires that the OUTPUT data stream is at least 72 bytes.)
- The ability to replace the @JOBNAME string with the name of the job currently executing the program.

**ASLPARMC** has a defined alias of BSLPARMC for compatibility reasons at our site and this can be removed if needed.

## 1.1 Passed Parameters

The parameter that is passed to this program will be written (as is by default) to the dataset defined on the OUTPUT DD card. If the passed parameter ends with a comma then the output file will have a continuation character (Default is a 'C') inserted into column 72 of the output record. This substitution is only performed if the existing data in column 72 is a blank i.e. Hex '40'

**1.2 Called Programs:** *None*                      **(Indirectly calls)** *None*

## 1.3 IBM macros used:

CLOSE	IEFJFCBN
DCB	PUT
DEVTYPE	RDJFCB
STORAGE	WTO

## 1.4 Assembled Program Values

The only assembled variable that may need changing is the continuation character (currently the default is 'C'). If this needs to be changed then the only line of code that requires changing is:

```
MVI    71(R4),C'C'           Add continuation Character
```

This can be found on line 267 of the program as distributed. It is also marked with a \*CHANGE\* comment so a find or this should take you to the pertinent line.

## 2 Installation Procedure

### 2.1 From XMI File

The XMI (or XMIT) file is in IBM TSO TRANSMIT format and **must** be transferred to z/OS™ as a fixed blocked 80 byte BINARY file. The disk space requirement for the file is 2 tracks of 3390 disk.

The FTP process (if performed in a 3270 emulator) must be performed in TSO READY mode or in option 6 of ISPF™.

The dataset name used as input for the TSO TRANSMIT was ABBYDALE.ASLPARMC.LOADLIB. Unless this is changed by the TSO RECEIVE command it will be the name of the dataset created by the RECEIVE command.

### 2.2 By Assembling the Source Code

To assemble **ASLPARMC** the source code must be saved in a partitioned dataset and assembled using High Level Assembler. (ASMA90).

It should be linked using LIST, LET, NCAL, MAP LOADER options.

#### 2.2.1 Sample Assembly Job

The following is a sample assemble and link JCL the can be used to assemble **ASLPARMC**

```
//STEP1 EXEC PGM=ASMA90, PARM='OBJECT,NODECK', REGION=1024K
//SYSPRINT DD SYSOUT=*
//SYSLIB DD DSN=SYS1.MACLIB, DISP=SHR
// DD DSN=SYS1.AMODGEN, DISP=SHR
//SYSUT1 DD SPACE=(CYL,(2,1)), UNIT=SYSDA, DSN=&&WRK1
//SYSLIN DD DSN=&&WRK5, UNIT=SYSDA, SPACE=(CYL,(2,1)),
// DCB=(RECFM=FB, BLKSIZE=3200, LRECL=80), DISP=(, PASS)
//SYSIN DD DSN=your.input.pds (ASLPARMC), DISP=SHR
//LKED1 EXEC PGM=IEWL, PARM='LIST,LET,NCAL,MAP', COND=(4,LT)
//SYSLMOD DD DSN=your.output.load.library (ASLPARMC), DISP=SHR
//SYSPRINT DD SYSOUT=*
//SYSLIN DD DSN=&&WRK5, DISP=(OLD,DELETE)
```



### 3 Using ASLPARMC

The program, **ASLPARMC**, has no other function than to write out the contents of the passed parameter into an output dataset as defined on the OUTPUT DD card.

It will, if required, add a continuation character into column 72 and it can also fold the parameter string into upper case if desired.

#### 3.1 Sample JCL for ASLPARMC

```

1 //Jobname JOB .....
2 //stepname EXEC PGM=ASLPARMC, PARM='parm'
3 //STEPLIB DD DSN=your.load.library, DISP=SHR
4 //OUTPUT DD output.dataset
5 //FOLD DD DUMMY
6 //CAPS DD DUMMY
7 //NOCONT DD DUMMY

```

JCL card	Required	Use
1	Yes	JOBCARD (Tailor to your site standards)
2	Yes	EXEC card. 1 parameter <b>must</b> be passed to this program. This parameter will be written to the dataset defined by the OUTPUT DD Card
3	Yes	This is the library where <b>ASLPARMC</b> is located. The STEPLIB concatenation can only be removed if the module resides in LNKLST libraries.
4	Yes	The OUTPUT DD card specifies the output dataset into which <b>ASLPARMC</b> will write the passed parameter.
5	No	Both the CAPS and FOLD DD cards will perform the same function which is to convert the parameter string to uppercase. The default is to not convert.
6	No	
7	No	The NOCONT DD card, if present, will prevent ASLPARMC from trying to place a continuation character into column 72. The default is to try to place a continuation character in column 72.

## 4 Messages

### ***ASLPRM1E***

#### **ASLPRM1E - Invalid PARMS input**

##### **Meaning**

The program has detected an error in the passed parameter field and execution cannot continue.

The program will fail with an abend code of S0C3

##### **Corrective Action**

Correct the error and rerun if required.

### ***ASLPRM2E***

#### **ASLPRM2E - Open for OUTPUT DD Card failed**

##### **Meaning**

The program was unable to open the datasets defined on the OUTPUT DD card.

The program will fail with an abend code of S0C3

##### **Corrective Action**

Correct the error and rerun if required.

### ***ASLPRM3E***

#### **ASLPRM3E- No OUTPUT DD Card. Abend S0C3**

##### **Meaning**

The program was unable to find an OUTPUT DD card in the execution deck.

The program will fail with an abend code of S0C3

##### **Corrective Action**

Correct the error and rerun if required.

**ASLPRM4E**

**ASLPRM4E - Get for working storage failed. Abend S0C3**

**Meaning**

The program was unable to obtain the storage to continue execution.

The program will fail with an abend code of S0C3

**Corrective Action**

Try increasing the SIZE on the EXEC card (or coding one if one isn't already on there) then rerun the job.

**ASLPRM5W**

**ASLPRM5W - Data found in column 72. No Substitution made**

**Meaning**

**ASLPARMC** detected a non-blank in column 72 of the parameter. Rather than destroy the data **ASLPARMC** will not insert a continuation character in column 72.

The execution will continue but no substitution was made in column 72.

**Corrective Action**

Correct the error and rerun if required.

**ASLPRM6W**

**ASLPRM6W - LRECL less than 72. No substitution possible**

**Meaning**

**ASLPARMC** detected that the dataset specified on the OUTPUT DD card has a logical record length that is less than 72 so therefore no continuation character can be placed in position 72.

**Corrective Action**

Correct the error and rerun if required.

## Summary of Amendments

<b>Date</b>	<b>Version</b>	<b>Fix Id.</b>	<b>Comment</b>
14 <sup>th</sup> December 2023	2.8	n/a	Corrected typos in documentation.
28 <sup>th</sup> May 2017	2.8	n/a	Transferred to Abbydale Systems LLC.
17 <sup>th</sup> October 2017	2.9	n/a	Added Replace Jobname subroutine
16 <sup>th</sup> March 2018	3.0	n/a	Program made available for free distribution.

## **Obtaining Support**

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