

Require file STRLNK.REQ

Edit: RKR1011

This file, STRLNK.REQ, defines the linkages to the STR facility, and to the routines LIB\$SCOPY_R_DX6, LIB\$SCOPY_DXDX6, LIB\$SFREE1_DD6 and LIB\$ANALYZE_SDESC_R2.

```
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CREATION DATE: 20-FEB-79

MODIFIED BY:

- 1-001 - Original. RW 20-FEB-79
- 1-002 - Add linkages for by ref entry points. RW 15-Mar-79
- 1-003 - Add linkages for GET and FREE JSB entry points.
JBS 04-JUN-1979
- 1-004 - Remove PRINT statement, for new BLISS compiler.
JBS 02-OCT-1979
- 1-005 - Make \$\$MOVQ, add LEFT, RIGHT, LEN_EXTR, POS_EXTR.
RW 1-Nov-79
- 1-006 - Add POSIT. RW 1-NOV-79
- 1-007 - Add DUPL CHAR. RW 7-Nov-79
- 1-008 - Add REPLACE. RW 3-Dec-79
- 1-009 - Add linkages to LIB\$SCOPY_R_DX6, LIB\$SCOPY_DXDX6,
LIB\$SFREE1_DD6, LIB\$ANALYZE_SDESC_R3, and
STR\$CHECK_STATUS_R2.
RKR 3-MAY-1981.
- 1-010 - Add linkage to STR\$ANALYZE_SDESC_R2. RKR 19-OCT-1981.
- 1-011 - Revised linkage to LIB\$ANALYZE_SDESC_R2 to not use R3.
Revised linkage to STR\$ANALYZE_SDESC_R1 to not use R2.
RKR 18-NOV-1981.

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Public linkages. These begin with STR\$. Private linkages (only used within the STR facility) begin with STR\$\$.

LINKAGE

JSB interface for routine written in MACRO to do a MOVQ arguments are passed in R0 and R1, no other registers are used

```
STR$$JSB_MOVQ = JSB (REGISTER = 0, REGISTER = 1) :  
                  NOTUSED (2, 3, 4, 5, 6, 7, 8, 9, 10, 11),
```

JSB interface for STR\$COPY routines. User is responsible for R2-R8, they will be destroyed. R9, R10 and R11 are not used. DX linkage is for routines called with 2 descriptors. R linkage is used for routines called with source length and address and the destination descriptor.

```
STR$JSB_COPY_DX = JSB (REGISTER = 0, REGISTER = 1) :  
                    NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                    NOTUSED (9, 10, 11),
```

```
STR$JSB_COPY_R = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                  NOTUSED (9, 10, 11),
```

JSB interface for STR\$LEFT

```
STR$JSB_LEFT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                 NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                 NOTUSED (9, 10, 11),
```

JSB interface for STR\$RIGHT

```
STR$JSB_RIGHT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
                  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                  NOTUSED (9, 10, 11),
```

JSB interface for STR\$LEN_EXTR_R8

```
STR$JSB_LEN_EXT = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
                 NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
                 NOTUSED (9, 10, 11),
```

```
! JSB interface for STR$POS_EXTR_R8
```

```
STR$JSB_POS_EXT = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3) :  
  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
  NOTUSED (9, 10, 11),
```

```
!+ JSB interface for STR$DUPL_CHAR_R8
```

```
STR$JSB_DUPL_CH = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
  NOTUSED (9, 10, 11),
```

```
!+ JSB interface for STR$REPLACE
```

```
STR$JSB_REPLACE = JSB  
(REGISTER = 0, REGISTER = 1, REGISTER = 2, REGISTER = 3, REGISTER = 4):  
  NOPRESERVE (2, 3, 4, 5, 6, 7, 8)  
  NOTUSED (9, 10, 11),
```

```
!+ JSB interface for STR$POSITION_R6
```

```
STR$JSB_POSIT = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2):  
  NOPRESERVE (2, 3, 4, 5, 6)  
  NOTUSED (7, 8, 9, 10, 11),
```

```
!+ JSB interface for STR$GET1_DX and STR$FREE1_DX routines.
```

```
STR$JSB_GETFRE = JSB (REGISTER = 0, REGISTER = 1) :  
  NOPRESERVE (4, 3, 2, 1, 0)  
  NOTUSED (11, 10, 9, 8, 7, 6, 5),
```

```
!+ JSB interface for LIB$SCOPY_R_DX6, LIB$SCOPY_DXDX6 and  
LIB$SFREE1_DD6 routines.
```

```
STRING_JSBJ = JSB (REGISTER = 0, REGISTER = 1, REGISTER = 2) :  
  NOPRESERVE (2, 3, 4, 5, 6)  
  NOTUSED (7, 8, 9, 10, 11),
```

```
!+ JSB interface for LIB$ANALYZE_SDESC_R2 routine.
```

```
LIB$ANALYZE_SDESC_JSBJ_LINK = JSB ( REGISTER = 0 ;  
  REGISTER = 1, REGISTER = 2) :  
  NOTUSED (3,4,5,6,7,8,9,10,11),
```

```
!+ JSB interface for STR$ANALYZE_SDESC_R1 routine.
```

```
!-
  STR$ANALYZE_SDESC_JSB_LINK = JSB ( REGISTER = 0 ;
                                REGISTER = 0, REGISTER = 1) :
                                NOTUSED (2,3,4,5,6,7,8,9,10,11),
!+
!- JSB interface for STR$$CHECK_STATUS_R2 routine.

  STR$$CHECK_STATUS_LINKAGE = JSB ( REGISTER = 0 ) :
                                NOPRESERVE (1, 2)
                                NOTUSED (3, 4, 5, 6, 7, 8, 9, 10, 11) ;

!   End of file STRLNK.REQ
```

RTLMACB32 REQ	STRMACROS REQ	RTLOOBS REQ	RTLPSECT REQ	STRLNK REQ	RTLMAC MAR	LIBASCEBC LIS	LIBASTINP LIS	LIBBINTRE LIS	LIBCHAR LIS
					LIBDEF FOR	LIBANASTR LIS	LIBASNMBX LIS	LIBBBCCI LIS	
					LIBABUPCA LIS	LIBADDP LIS			
					SIGDEF FOR		LIBASCTIM LIS		
							LIBATTACH LIS		
					LIBTABMAC MAR			LIBBBSST LIS	LIBCALLG LIS
					LIBA2EREV LIS				LIBCLICAL LIS
						LIBADDP LIS			