


```

RRRRRRR      TTTTTTTTTT  LL      000000  DDDDDDDD  BBBB8888  GGGGGGGG
RRRRRRR      TTTTTTTTTT  LL      000000  DDDDDDDD  BBBB8888  GGGGGGGG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG
RRRRRRR      TT      LL      00      00  DD      DD  BBBB8888  GG
RRRRRRR      TT      LL      00      00  DD      DD  BBBB8888  GG
RR  RR      TT      LL      00      00  DD      DD  BB      BB  GG  GGGGGG
RR  RR      TT      LL      00      00  DD      DD  BB      BB  GG  GGGGGG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG      GG
RR      RR    TT      LL      00      00  DD      DD  BB      BB  GG      GG
RR      RR    TT      LLLLLLLLLL  000000  DDDDDDDD  BBBB8888  GGGGGG
RR      RR    TT      LLLLLLLLLL  000000  DDDDDDDD  BBBB8888  GGGGGG

```

```

RRRRRRR      EEEEEEEEEEE  QQQQQQ
RRRRRRR      EEEEEEEEEEE  QQQQQQ
RR      RR    EE      QQ      QQ
RR      RR    EE      QQ      QQ
RR      RR    EE      QQ      QQ
RR      RR    EE      QQ      QQ
RRRRRRR      EEEEEEEEEEE  QQ      QQ
RRRRRRR      EEEEEEEEEEE  QQ      QQ
RR  RR      EE      QQ  QQ  QQ
RR  RR      EE      QQ  QQ  QQ
RR      RR    EE      QQ      QQ
RR      RR    EE      QQ      QQ
RR      RR    EEEEEEEEEEE  QQQQ  QQ
RR      RR    EEEEEEEEEEE  QQQQ  UU

```

This file, RTLDBG.REQ, defines macros that were used to debug the RTL before the DEBUG program was available.

```

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```

```

Author: T. Hastings
0-19 - made RMS_ERR_STATUS a null macro TNH 24-SEP-77
0-21 - Change name to RTLDBG.REQ. JBS 14-NOV-78
1-001 - Change version number and add copyright notice. JBS 16-NOV-78
1-002 - Remove the PRINT statement, for the new BLISS compiler.
        JBS 02-OCT-1979
--

```

Declare EXTERNALs used

```

%IF NOT %DECLARED(TST$$PRINT_PAR)
%THEN
EXTERNAL ROUTINE
TST$$PRINT_PAR; ! routine to print pairs of args
%FI

```

```

%IF NOT %DECLARED(TST$$PRINT_DEC)
%THEN
EXTERNAL ROUTINE
TST$$PRINT_DEC; ! routine to print pairs of args in decimal
%FI

```

Macro to define string descriptor

```
!-
!MACRO DESCRIPTOR(STRING)
!  = UPLIT(%CHARCOUNT(STRING), UPLIT(STRING))%;

!MACRO
!  PAIR [V1, V2]
!  = DESCRIPTOR(%STRING(V1)), V2%;

MACRO INPUT_FORMALS [] = %,
IMPLICIT_INPUTS [] = %,
FUNCTION_VALUE [] = %,
OUTPUT_FORMALS [] = %,
IMPLICIT_OUTPUT [] = %,
PRINT_STRING [] = %,
RMS_ERR_STATUS [] = %,
DESCRIPTOR [] = %,
PAIR [] = %,
PRINT_HEX [] = %,
PRINT_DEC [] = %;

!+
! Macro to print RMS error status
!-

!MACRO RMS_ERR_STATUS (RMS_CALL) [ ]
!  = TST$$PRINT PAR ( DESCRIPTOR(%STRING('RMS error status from ', RMS_CALL))
!    %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!  )%;

!+
! Iterative macro to set up call to TST$$PRINT_DEC for
! printing decimal numbers after text in pairs.
!-

!MACRO PRINT_DEC (ROUTINE_NAME) [ ]
!  = TST$$PRINT DEC ( DESCRIPTOR(%STRING('? FORTRAN ERROR - ', ROUTINE_NAME, ' called '))
!    %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!  )%;

!+
! Iterative macro to set up call to TST$$PRINT_DEC for
! printing hex numbers after text in pairs.
!-

!MACRO PRINT_HEX (ROUTINE_NAME) [ ]
!  = TST$$PRINT PAR ( DESCRIPTOR(%STRING('? FORTRAN ERROR - ', ROUTINE_NAME, ' called '))
!    %IF NOT %NULL(%REMAINING) %THEN , PAIR (%REMAINING) %FI
!  )%;

! End of file RTLODBG.REQ
```

RTLMACB32 REQ	STRMACROS REQ	RTLOOBSG REQ	RTLPSECT REQ	STRLNK REQ	RTLMACMAR 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
					LIBAZEREV LIS				LIBCLICAL LIS
						LIBADDP LIS			