


```

SSSSSSSS UU    UU  MM    MM  TTTTTTTTTT FFFFFFFFFF RRRRRRRR VV    VV  EEEEEEEEEEE CCCCCCCC
SSSSSSSS UU    UU  MM    MM  TTTTTTTTTT FFFFFFFFFF RRRRRRRR VV    VV  EEEEEEEEEEE CCCCCCCC
SS    UU    UU  MMMM  MMMM  TT          FF          RR          RR  VV    VV  EEEEEEEEEEE CC
SS    UU    UU  MMMM  MMMM  TT          FF          RR          RR  VV    VV  EEEEEEEEEEE CC
SS    UU    UU  MM    MM  TT          FF          RR          RR  VV    VV  EEEEEEEEEEE CC
SSSSSSS UU    UU  MM    MM  TT          FF          RRRRRRRR VV    VV  EEEEEEEEEEE CC
SSSSSSS UU    UU  MM    MM  TT          FF          RRRRRRRR VV    VV  EEEEEEEEEEE CC
SS    UU    UU  MM    MM  TT          FF          RR    RR  VV    VV  EEEEEEEEEEE CC
SS    UU    UU  MM    MM  TT          FF          RR    RR  VV    VV  EEEEEEEEEEE CC
SS    UU    UU  MM    MM  TT          FF          RR    RR  VV    VV  EEEEEEEEEEE CC
SSSSSSSS UUUUUUUUUU MM    MM  TT          FF          RR    RR  VV    VV  EEEEEEEEEEE CCCCCCCC
SSSSSSSS UUUUUUUUUU MM    MM  TT          FF          RR    RR  VV    VV  EEEEEEEEEEE CCCCCCCC

```

```

LL          IIIIII  SSSSSSSS
LL          IIIIII  SSSSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LL          II      SSSSSS
LL          II      SSSSSS
LL          II      SS
LL          II      SS
LL          II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

(2) 52 TRANSFER VECTORS

```
0000 1 .TITLE SUM$TRVEC
0000 2 .IDENT 'V04-000'
0000 3
0000 4 *****
0000 5
0000 6 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 23
0000 24 *****
0000 25
0000 26
0000 27
0000 28 ++
0000 29 Facility: Source update merge program
0000 30
0000 31 Abstract: Define transfer vector for SUM entry points
0000 32
0000 33 Environment: Part of sharable image
0000 34
0000 35 Author: R. Newland
0000 36
0000 37 Date: 11-Apr-1979
0000 38
0000 39
0000 40 Modified by:
0000 41
0000 42 V03-003 MTR0001 Mike Rhodes 19-Jan-1983
0000 43 Add SUM$SET_SIGNAL
0000 44
0000 45 V03-002 BLS0175 Benn Schreiber 16-Jun-1982
0000 46 Add SUM$UPDATE_QUAL
0000 47
0000 48 V03-001 BLS0173 Benn Schreiber 26-MAY-1982
0000 49 Add SUM$XXXX_ERR entry points for SUMSLP
0000 50 --
```

TRANSFER VECTORS

```

0000 52      .SBTTL  TRANSFER VECTORS
0000 53      :
0000 54      :++
0000 55      :
0000 56      : Functional description:
0000 57      :
0000 58      : This module defines the transfer vectors for the entry points
0000 59      : called by a user of SUM.  This modules enables SUM to be linked
0000 60      : as a sharable image.
0000 61      :
0000 62      : Calling sequence:
0000 63      :
0000 64      :     None
0000 65      :
0000 66      : Input parameters:
0000 67      :
0000 68      :     None
0000 69      :
0000 70      : Implicit inputs:
0000 71      :
0000 72      :     None
0000 73      :
0000 74      : Output parameters:
0000 75      :
0000 76      :     None
0000 77      :
0000 78      : Implicit outputs
0000 79      :
0000 80      :     None
0000 81      :
0000 82      : Side effects:
0000 83      :
0000 84      :     None
0000 85      :
0000 86      :--
0000 87      :
0000 88      : .PSECT  $$VECTOR_SUM, PIC, SHR, NOWRT, EXE, PAGE
0000 89      :
0000 90      : .TRANSFER  SUM$LIST_QUAL  ; Gets update file list from
FFF8' 31 0002 91      : .MASK      SUM$LIST_QUAL  ; qualifier values
0000 92      : BRW      SUM$LIST_QUAL+2
0000 93      :
0000 94      : .TRANSFER  SUM$LIST_PARAM ; Gets update file list from parameter
FFF8' 31 0007 95      : .MASK      SUM$LIST_PARAM
0000 96      : BRW      SUM$LIST_PARAM+2
0000 97      :
0000 98      : .TRANSFER  SUM$OPEN      ; Open checks update files list
FFF3' 31 000C 99      : .MASK      SUM$OPEN
0000 100     : BRW      SUM$OPEN+2
0000 101     :
0000 102     : .TRANSFER  SUM$INIT_EDIT ; Initialise editing pass
FFEE' 31 0011 103     : .MASK      SUM$INIT_EDIT
0000 104     : BRW      SUM$INIT_EDIT+2
0000 105     :
0000 106     : .TRANSFER  SUM$INIT_CMND ; Initialise command pass
FFE9' 31 0014 107     : .MASK      SUM$INIT_CMND
0000 108     : BRW      SUM$INIT_CMND+2

```

TRANSFER VECTORS

		0019	109	:			
		0019	110	:	.TRANSFER	SUM\$LINE	; Gets next line
		0019	111	:	.MASK	SUM\$LINE	
FFE4'	0000'	001B	112	:	BRW	SUM\$LINE+2	
		001E	113	:			
		001E	114	:	.TRANSFER	SUM\$CLOSE	; Close input stream
		001E	115	:	.MASK	SUM\$CLOSE	
FFDF'	0000'	0020	116	:	BRW	SUM\$CLOSE+2	
		0023	117	:			
		0023	118	:	.TRANSFER	SUM\$CLOSE_ERR	; Report close error
		0023	119	:	.MASK	SUM\$CLOSE_ERR	
FFDA'	0000'	0025	120	:	BRW	SUM\$CLOSE_ERR+2	
		0028	121	:			
		0028	122	:	.TRANSFER	SUM\$LIB_ERR	; Report library error
		0028	123	:	.MASK	SUM\$LIB_ERR	
FFD5'	0000'	002A	124	:	BRW	SUM\$LIB_ERR+2	
		002D	125	:			
		002D	126	:	.TRANSFER	SUM\$OPEN_ERR	; Report open error
		002D	127	:	.MASK	SUM\$OPEN_ERR	
FFD0'	0000'	002F	128	:	BRW	SUM\$OPEN_ERR+2	
		0032	129	:			
		0032	130	:	.TRANSFER	SUM\$READ_ERR	; Report read error
		0032	131	:	.MASK	SUM\$READ_ERR	
FFCB'	0000'	0034	132	:	BRW	SUM\$READ_ERR+2	
		0037	133	:			
		0037	134	:	.TRANSFER	SUM\$WRITE_ERR	; Report write error
		0037	135	:	.MASK	SUM\$WRITE_ERR	
FFC6'	0000'	0039	136	:	BRW	SUM\$WRITE_ERR+2	
		003C	137	:			
		003C	138	:	.TRANSFER	SUM\$UPDATE_QUAL	; Process update list (new cli interface)
		003C	139	:	.MASK	SUM\$UPDATE_QUAL	
FFC1'	0000'	003E	140	:	BRW	SUM\$UPDATE_QUAL+2	
		0041	141	:			
		0041	142	:	.TRANSFER	SUM\$SET_SIGNAL	; Select method of issuing diagnostics
		0041	143	:	.MASK	SUM\$SET_SIGNAL	
FFBC'	0000'	0043	144	:	BRW	SUM\$SET_SIGNAL+2	
		0046	145	:			
		0046	146	:	.END		

SUMSTRVEC
Symbol table

K 10

16-SEP-1984 02:09:44 VAX/VMS Macro V04-00
5-SEP-1984 03:39:23 [SUM.SRC]SUMTRVEC.MAR;1

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UPD
V04

SUMSCLOSE	*****	X	01
SUMSCLOSE_ERR	*****	X	01
SUMSINIT_CMND	*****	X	01
SUMSINIT_EDIT	*****	X	01
SUMSLIB_ERR	*****	X	01
SUMSLINE	*****	X	01
SUMSLIST_PARAM	*****	X	01
SUMSLIST_QUAL	*****	X	01
SUMSOPEN	*****	X	01
SUMSOPEN_ERR	*****	X	01
SUMSREAD_ERR	*****	X	01
SUMSSET_SIGNAL	*****	X	01
SUMSUPDATE_QUAL	*****	X	01
SUMSWRITE_ERR	*****	X	01

-----+
! Psect synopsis !
-----+

PSECT name	Allocation	PSECT No.	Attributes										
-----	-----	-----	-----										
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE	
\$\$VECTOR_SUM	00000046 (70.)	01 (1.)	PIC USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	PAGE	

-----+
! Performance indicators !
-----+

Phase	Page faults	CPU Time	Elapsed Time
-----	-----	-----	-----
Initialization	29	00:00:00.15	00:00:00.99
Command processing	149	00:00:00.62	00:00:02.98
Pass 1	73	00:00:00.49	00:00:00.87
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	41	00:00:00.34	00:00:00.83
Symbol table output	3	00:00:00.02	00:00:00.02
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	298	00:00:01.64	00:00:05.71

The working set limit was 750 pages.
 1697 bytes (4 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 14 non-local and 0 local symbols.
 146 source lines were read in Pass 1, producing 12 object records in Pass 2.
 0 pages of virtual memory were used to define 0 macros.

-----+
! Macro library statistics !
-----+

Macro library name	Macros defined
-----	-----
_\$255\$DUA28:[SUM.OBJ]SUM.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0
TOTALS (all libraries)	0

0 GETS were required to define 0 macros.

SUM\$TFRVEC
VAX-11 Macro Run Statistics

L 10

16-SEP-1984 02:09:44 VAX/VMS Macro V04-00
5-SEP-1984 03:39:23 [SUM.SRC]SUMTFRVEC.MAR;1

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There were no errors, warnings or information messages.

MACRO/LIS=LISS:SUMTFRVEC/OBJ=OBJ\$:SUMTFRVEC MSRC\$:SUMTFRVEC/UPDATE=(ENH\$:SUMTFRVEC)+LIB\$:SUM/LIB

UPD
V04

