SMA Ver.	0. 7. 0 zvector-e6-	13-convertto	odeci mal	(Zvector E6 VRI-i) 02	Jun 2024 16: 00: 20 Page
LOC	OBJECT CODE	ADDR1	ADDR2	STMI	
				2 *****************************	*******
				3 *	, ,
				4 * Zvector E6 instruction tests for VRI-i 5 *	encoded:
				6 * E658 VCVD - VECTOR CONVERT TO DECIM	
				7 * E65A VCVDG - VECTOR CONVERT TO DECIM	AL (64)
				8 * 9 * James Wekel June 2024	
				10 *********************	*******
				11 12 **********************************	*******
				13 *	
				14 * basic instruction tests	
				15 * 16 **********************************	******
				17 * This program tests proper functioning of the	
				18 * convert to decimal. Exceptions are not tested 19 *	1.
				20 * PLEASE NOTE that the tests are very SIMPLE T	ESTS designed to catch
				21 * obvious coding errors. None of the tests are	e thorough. They are
				22 * NOT designed to test all aspects of any of the $23 *$	ie instructions.
				24 ***********************	*******
				25 *	DOD DO VDI
				26 * *Testcase zvector-e6-13-converttodecimal: VEC 27 * *	luk E6 vk1-1 instruction
				28 * * Zvector E6 tests for VRI-i encoded instru	acti on:
				29 * * 30 * * E658 VCVD - VECTOR CONVERT TO DECIMAL	(32)
				31 * * E65A VCVDG - VECTOR CONVERT TO DECIMAL	
				32 * *	
				33 * * #	the instruction.
				35 * * # Exceptions are NOT tested.	ene instruction.
				36 * * #	
				38 * mainsize 2	
				39 * numcpu 1	
				40 * sysclear 41 * archlvl z/Arch	
				42 *	
				43 * diag8cmd enable # (needed for messages 144 * loadcore "\$(testpath)/zvector-e6-13-convert	to Hercules console)
				44 * loadcore "\$(testpath)/zvector-e6-13-convert 45 * diag8cmd disable # (reset back to default	t)
				46 *	
				47 * *Done 48 *	
				49 ****************************	*******
		0000000	00003707	51 ZVE6TST START 0	
0000000		00000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	52 USING ZVE6TST, RO Low core ac	ddressabi l i ty
		00000140	0000000	53 54 SVOLDPSW EQU ZVE6TST+X' 140' z/Arch Supe	orvisor call old DCW
		00000140	00000000	34 SVOLDESW EQU ZVEOISI+A 140 Z/ACCH SUP	ervisor call old PSW

	<b>0. 7. 0</b> zvector- e6- 1				LO VIII-I)		02 Jun 2024 16: 00: 20 Page
LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
000000 0001A0 0001A8	00000001 80000000 00000000 00000200	0000000	000001A0	56 57 58	ORG DC DC	ZVE6TST+X' 1A0' X' 0000000180000000' AD(BEGIN)	z/Architecure RESTART PSW
00001B0 00001D0 00001D8	00020001 80000000 0000000 0000DEAD	000001B0	000001D0	60 61 62	ORG DC DC	ZVE6TST+X' 1D0' X' 0002000180000000' AD(X' DEAD')	z/Architecure PROGRAM CHECK PSW
0001E0		000001E0	00000200	64 65	ORG	ZVE6TST+X' 200'	Start of actual test program
				30			

В

00000360

184

**FAILCONT** 

000002F4 47F0 8160

ASMA Ver.	0. 7. 0 zvector- e6	-13-convertt	odeci mal	(Zvector E6 V	/RI - i )		02 Jun 2024 16: 00: 20 Page
LOC	OBJECT CODE	ADDR1	ADDR2	STMI			
				100			***********
				187 * resul 188 *		as expected:	number instruction under test
				189 *	15546	and instruction l	number, instruction under test
				190 *****		*******	***********
OOOOOEO	4000 5004	000002F8	00000001	191 FAILMS(		* DO TRILINA	wat took would a surrout
00002F8 00002FC	4820 5004 4E20 8ED1		00000004 000010D1	192 193	LH CVD	R2, TNUM R2, DECNUM	get test number and convert
00000300	D211 8EBB 8EA5	000010BB	000010A5	194	MVC	PRT3, EDIT	
00000306	DE11 8EBB 8ED1	000010BB	000010D1	195	ED	PRT3, DECNUM	C.11
000030C	D202 8E14 8EC8	00001014	000010C8	196 197	MVC	PRTNUM(3), PRT3+13	fill in message with test #
00000312	D207 8E2F 500B	0000102F	000000B	198	MVC	PRTNAME, OPNAME	fill in message with instruction
				199		·	Č
00000318 0000031C	B982 0022 4320 5007		0000007	200 201	XGR I C	R2, R2 R2, I3	get i3 as U8 and convert
0000310	4520 3007 4E20 8ED1		00000007 000010D1	201 202	CVD	R2, DECNUM	and convert
0000324	D211 8EBB 8EA5	000010BB	000010A5	203	MVC	PRT3, EDIT	
000032A	DE11 8EBB 8ED1	000010BB	000010D1	204	ED	PRT3, DECNUM	
0000330	D202 8E40 8EC8	00001040	000010C8	205 206	MVC	PRTI 3(3), PRT3+13	fill in message with i3 field
0000336	B982 0022			207	XGR	R2, R2	get m4 as U8
000033A	4320 5008		00000008	208	IC	R2, M4	and convert
000033E 0000342	4E20 8ED1 D211 8EBB 8EA5	000010BB	000010D1 000010A5	209 210	CVD MVC	R2, DECNUM PRT3, EDIT	
0000342	DE11 SEBB SED1	000010BB	000010A3 000010D1	211	ED	PRT3, DECNUM	
000034E	D202 8E4D 8EC9	0000104D	000010C9	212	MVC	PRTM4(3), PRT3+14	fill in message with m4 field
00000354	4100 004C		000004C	213 214	LA	RO, PRTLNG	massaga langth
00000354	4110 8E04		00000040	215	LA LA	R1, PRTLINE	message length messagfe address
0000035C	45F0 817E		0000037E	216	BAL	R15, RPTERROR	
							************
				219 * conti 220 *****	nue aft	ter a failed test	***********
		00000360	0000001	221 FAILCON	T EQU	*	
0000360	5800 82A8		000004A8	222	L	R0, =F'1'	set GLOBAL failed test indicator
0000364	5000 8E00		00001000	223 224	ST	RO, FAI LED	
0000368	41C0 C004		0000004	225	LA	R12, 4(0, R12)	next test address
000036C	47F0 802A		0000022A	226	В	NEXTE6	
				229 * end o	of testi	******************* ing; set ending psv	·*************************************
		00000000	00000004	230 ******	******	*********	***********
0000370	5810 8E00	00000370	00000001 00001000	231 ENDTEST 232	r EQU L	* R1, FAILED	did a test fail?
0000370	1211		30001000	233	LTR	R1, R1	ara a cost rair;
0000000	4780 8280		00000480	234	BZ	<b>EO</b> J	No, exit
00000376 0000037A	47F0 8298		00000498	235	В	FAILTEST	Yes, exit with BAD PSW

ASMA Ver.	0. 7. 0 zvector-e6-1	3-convertto	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024 16: 00: 20 Page	7
LOC	OBJECT CODE	ADDR1	ADDR2	STMF				
				238 ****** 239 *	***** <b>RPTER</b>		**************************************	
				240 * 241 * 242 ******	*****	Î R	0 = MESSGAE LENGTH 1 = ADDRESS OF MESSAGE ************************************	
0000037E 00000382	50F0 819C 5050 81A0		0000039C 000003A0	244 RPTERROR 245 246 *	ST ST	R15, RPTSAVE R5, RPTSVR5	Save return address Save R5	
				247 * 248 *	Use H	lercul es Di agnose	for Message to console	
00000386 0000038A 0000038E	9002 81A8 4520 81B8 9802 81A8		000003A8 000003B8 000003A8	249 250 251	STM BAL LM	RO, R2, RPTDWSAV R2, MSG R0, R2, RPTDWSAV	save regs used by MSG call Hercules console MSG display restore regs	
00000392	5850 81A0		000003A0	253	L	R5, RPTSVR5	Restore R5	
00000396 0000039A	58F0 819C 07FF		0000039C	254 255	L BR	R15, RPTSAVE R15	Restore return address Return to caller	
0000039C 000003A0	00000000 00000000			257 RPTSAVE 258 RPTSVR5	DC DC	F' 0' F' 0'	R15 save area R5 save area	
000003A8	00000000 00000000			260 RPTDWSAV	DC	2D' 0'	RO-R2 save area for MSG call	

ASMA Ver.	0. 7. 0 zvector- e6- 1	3- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024 16: 00: 20 Page	9
LOC	OBJECT CODE	ADDR1	ADDR2	STMF				
				297 ******* 298 * 299 *****	****** Normal *****	**************************************	**************************************	
00000470	00020001 80000000			301 EOJPSW	DC	0D' 0' X' 000200	00180000000', AD(0)	
	B2B2 8270		00000470			EOJPSW		
0000460	D&D& 8&7U		00000470	303 E0J	LFSWE	EUJFSW	Normal completion	
00000488	00020001 80000000			305 FAILPSW	DC	OD' O' , X' 000200	018000000', AD(X'BAD')	
00000498	B2B2 8288		00000488	307 FAILTEST	LPSWE	FAILPSW	Abnormal termination	
				309 ******* 310 * 311 ******	****** Worki 1 *****	**************************************	************	
						_		
0000049C 000004A0	00000000 00000000			313 CTLR0 314 315	DS DS	F F	CRO	
000004A4	00003558			316 E6TADR	DC	A(E6TESTS)	address of E6 test table	
00000440				010	I TODO		I ! to see I man a l	
000004A8 000004A8 000004AC				318 319 320	LTORG	, =F' 1' =XL4' 3'	Literals pool	
000004B0 000004B2	0000 005F			321 322 323		=H' 0' =AL2(L' MSGMSG)		
				324 *	some o	constants		
		00000400	00000001	325 326 K	EQU	1024	One KB	
		00001000 00010000 00100000	00000001 00000001 00000001	327 PAGE 328 K64 329 MB	EQU EQU EQU	(4*K) (64*K) (K*K)	Size of one page 64 KB 1 MB	
		AABBCCDD 000000DD	00000001 00000001	330 331 332 REG2PATT 333 REG2LOW	EQU	X' AABBCCDD' X' DD'	Polluted Register pattern (last byte above)	

```
ASMA Ver. 0.7.0 zvector-e6-13-converttodecimal (Zvector E6 VRI-i)
                                                                                       02 Jun 2024 16: 00: 20 Page
                                                                                                                  10
 L<sub>O</sub>C
           OBJECT CODE
                           ADDR1
                                    ADDR2
                                            STM
                                             336 *
                                             337 * NOTE: start data on an address that is easy to display
                                             338 *
                                                        within Hercules
                                             339 *
                                             341
000004B4
                          000004B4 00001000
                                             342
                                                        ORG
                                                             ZVE6TST+X' 1000'
00001000 00000000
                                             343 FAILED
                                                        DC
                                                             F' 0'
                                                                                   some test failed?
                                             346 *
                                                        TEST failed: result messgae
                                             348 *
                                             349 *
                                                        failed message and associated editting
                                            350 *
00001004 40404040 40404040
                                             351 PRTLINE
                                                       DC
                                                                       Test # '
00001014 A7A7A7
                                             352 PRTNUM
                                                        DC
                                                             C' xxx'
00001017 40868189 93858440
                                                        DC
                                                             C' failed for instruction '
                                             353
0000102F A7A7A7A7 A7A7A7A7
                                             354 PRTNAME
                                                        DC
                                                             CL8' xxxxxxxxx'
                                                             C' with i3='
00001037
        40A689A3 884089F3
                                             355
                                                        DC
                                                             C' xxx. '
        A7A7A76B
                                             356 PRTI3
                                                        DC
00001040
                                                             C' with m4='
00001044
        40A689A3 884094F4
                                             357
                                                        DC
                                             358 PRTM4
                                                             C' xx'
                                                        DC
0000104D A7A7
                                                             C'.'
                                                        DC
0000104F 4B
                                             359
                                                             *-PRTLINE
                          0000004C 00000001
                                             360 PRTLNG
                                                        EQU
                                             362 *********************************
                                             363 *
                                                        TEST failed: CC message
                                             365 *
                                                        failed message and associated editting
                                             366 *
                                             367 *
00001050 40404040 40404040
                                             368 CCPRTLINE DC
                                                                       Test # '
00001060 A7A7A7
                                             369 CCPRTNUM DC
                                                             C' xxx'
00001063
        40A69996 95874083
                                             370
                                                        DC
                                                             c' wrong cc for instruction '
                                             371 CCPRTNAME DC
0000107D
        A7A7A7A7 A7A7A7A7
                                                              CL8' xxxxxxxxx'
        4085A797 8583A385
                                                             C' expected: cc='
                                             372
00001085
                                                        DC
                                             373 CCPRTEXP DC
                                                             C'x'
00001093
        A7
00001094
        6B
                                             374
                                                        DC
00001095 40998583 8589A585
                                             375
                                                        DC
                                                             C' received: cc='
                                             376 CCPRTGOT DC
                                                             C'x'
000010A3 A7
000010A4 4B
                                             377
                                                        DC
                                            378 CCPRTLNG
                                                        EQU
                          00000055 00000001
                                                             * - CCPRTLINE
```

ASMA Ver.	0. 7. 0 zvector-e6-1	13-convertt	odeci mal	(Zvector E6 VI	RI - i)		02 Jun 2024 16: 00: 20 Page 12
LOC	OBJECT CODE	ADDR1	ADDR2	STMI			
				412 ******	*****	******	************
				413 *	E6TES	Γ DSECT	
				414 ******	*****	* * * * * * * * * *	*************
				416 E6TEST	DCECT		
00000000	00000000			417 TSUB	DSECT DC	A(0)	pointer to test
00000004	0000			418 TNUM	DC	H' 00'	Test Number
00000006 00000007	00 00			419 420 I3		XL1' 00' HL1' 00'	i 3
8000000	00			421 M4	DC	HL1' 00'	m4
00000009 0000000A	00 00			422 CC 423 CCMASK	DC DC	HL1' 00' HL1' 00'	cc not expected CC mask
UUUUUUA	00			424			not expected to mask
000000B	40404040 40404040			425 OPNAME	DC	CL8' '	E6 name
00000014	00000000			426 427 RELEN	DC	A(0)	RESULT LENGTH
	00000000			428 READDR		A(O)	expected result address
				429 430 **			
				431 *	test	routine wil	l be here (from VRR_K macro)
				432 * follow 433 *	wed by 16-by	te <b>EXPECTE</b> I	) RESULT
				434 *	8-byte	e byte sou	irce

ASMA Ver.	0. 7. 0 zvector-e6-	13-convertt	odeci mal	(Zvector E6 VF	RI-i)		02 Jun 2024 16: 00: 20 Page	13
LOC	OBJECT CODE	ADDR1	ADDR2	STM				
				436 ******	*****	******	***********	
				437 * Ma	cros t	o help build test	tabl es	
				438 * 439 * VF	RR_K Ma	cro to help build	test tables	
				440 ******* 441	******* <b>MACRO</b>	*******	***********	
				442		&INST, &I3, &M4, &CC		
				443 . * 444 . *			&INST - instruction under test &I3	
				445 .* 446 .*			&M4	
				447 .*			•	
				448 449 &XCC(1)	LCLA SETA	&XCC(4) &CC has 7	mask values for FAILED condition codes CC != 0	
				450 &XCC(2)	<b>SETA</b>	11	CC != 1	
				451 &XCC(3) 452 &XCC(4)	SETA SETA	13 14	CC != 2 CC != 3	
				453 454	GBLA	&TNUM		
				455 &TNUM	SETA	&TNUM+1		
				456 457	DS	OFD		
				458 459	USING	*, <b>R</b> 5	base for test data and test routine	
				<b>460 T&amp;TNUM</b>	DC	A(X&TNUM)	address of test routine	
				461 462	DC DC	H' &TNUM XL1' 00'	test number	
				463 464	DC DC	HL1'&I3' HL1'&M4'	i 3 m4	
				465	DC	HL1' &CC'	cc	
				466 467	DC	HL1' &XCC(&CC+1)'	cc failed mask	
				468 469	DC	CL8' &I NST'	instruction name	
				470	DC	A(16)	result length result address	
				471 REA&TNUN 472 .*	A DC	A(RE&TNUM)		
				473 * 474 X&TNUM	DS	OF	INSTRUCTION UNDER TEST ROUTINE	
				475	VL	V1, V1FUDGE	pollute V1	
				476 477	1 G	R2, RE&TNUM+16	get R2 source	
				478 479	&I NST	V1, R2, &I3, &M4	test instruction	
				480	VST	V1, V10UTPUT	save	
				481 482	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC	
				483 484	BR	R11	return	
				485			I CCUI II	
				486 RE&TNUM 487	DC DROP	OF R5		
				488 489	MEND			
				100	14 <b>3</b> 214 <b>D</b>			

```
ASMA Ver. 0.7.0 zvector-e6-13-converttodecimal (Zvector E6 VRI-i)
                                                                                                  02 Jun 2024 16: 00: 20 Page
                                                                                                                                15
 L<sub>O</sub>C
            OBJECT CODE
                              ADDR1
                                        ADDR2
                                                 STM
                                                  515 *
                                                               E6 VRR K tests
                                                  0000000 00003707
                                                  517 ZVE6TST CSECT,
00001190
                                                               DS
                                                  518
                                                  520
                                                               PRINT DATA
                                                  521 *
                                                  522 *
                                                               E658 VCVD
                                                                            - VECTOR CONVERT TO DECIMAL (32)
                                                  523 *
                                                               E65A VCVDG
                                                                           - VECTOR CONVERT TO DECIMAL (64)
                                                  524 *
                                                  525 *
                                                               VRR_K instr, i3, m4, cc
                                                  526 *
                                                                     followed by
                                                                            expected result (16 bytes)8 byte binary source
                                                  527 *
                                                                     \mathbf{v1}
                                                  528 *
                                                                     R2
                                                  529
                                                  530 *-----
                                                  531 * VCVD
                                                              - VECTOR CONVERT TO DECIMAL (32)
                                                  533 * VCVD simple
                                                                                     m4= 1 ( LB=0, P1=0 , CS=1)
                                                  534 *
                                                                                     m4= 3 ( LB=0, P1=1 , CS=1)
                                                  535 *
                                                                                     m4=9 ( LB=1, P1=0 , CS=1)
                                                  536 *
                                                                                     mA = 11 (LB=1, P1=1, CS=1)
                                                  537 *
                                                  538 *
                                                                                     i3 = 137 (IOM=1, RDC= 9)
                                                  539 *
                                                                                     i3 = 159 (IOM=1, RDC=31)
                                                  540 *
                                                  541 * VCVD
                                                                     m4= 1 (LB=0, P1=0, CS=1)
                                                  542 *
                                                                     i3 = 159 (IOM=1, RDC=31)
                                                  543
                                                  544
                                                               VRR_K VCVD, 159, 1, 0
00001190
                                                  545+
                                                               DS
                                                                     OFD
                             00001190
                                                               USING *, R5
00001190
                                                  546+
                                                                                       base for test data and test routine
00001190
         000011AC
                                                  547+T1
                                                               DC
                                                                     A(X1)
                                                                                       address of test routine
                                                               DC
00001194
         0001
                                                  548+
                                                                     H' 1'
                                                                                       test number
00001196
         00
                                                  549+
                                                               DC
                                                                     XL1' 00'
00001197
         9F
                                                  550 +
                                                               DC
                                                                     HL1' 159'
                                                                                       i 3
                                                               DC
00001198
         01
                                                  551+
                                                                     HL1' 1'
                                                                                       m4
                                                               DC
00001199
         00
                                                  552+
                                                                     HL1'0'
                                                                                       \mathbf{cc}
                                                  553+
                                                               DC
                                                                     HL1'7'
                                                                                       cc failed mask
0000119A
         07
                                                                     CL8' VCVD'
0000119B
         E5C3E5C4 40404040
                                                  554 +
                                                               DC
                                                                                       instruction name
000011A4 00000010
                                                  555+
                                                               DC
                                                                     A(16)
                                                                                       result length
                                                               DC
000011A8
         000011D0
                                                  556+REA1
                                                                     A(RE1)
                                                                                       result address
                                                                                       INSTRUCTION UNDER TEST ROUTINE
                                                  557+*
000011AC
                                                  558+X1
                                                               DS
                                                                     0F
000011AC
                                                                     V1, V1FUDGE
         E710 8F40 0006
                                       00001140
                                                  559+
                                                               VL
                                                                                       pollute V1
         E320 5050 0004
                                                                     R2, RE1+16
                                                                                       get R2 source
000011B2
                                       000011E0
                                                  560+
                                                               1 G
                                                                    V1, R2, 159, 1
000011B8
         E612 0019 F058
                                                  561+
                                                               VCVD
                                                                                       test instruction
         E710 8F08 000E
                                       00001108
                                                                     V1, V10UTPUT
000011BE
                                                  562+
                                                               VST
                                                                                       save
         B98D 0020
                                                               EPSW R2, R0
000011C4
                                                  563+
                                                                                       exptract psw
                                                                     R2, CCPSW
000011C8
         5020 8EE4
                                       000010E4
                                                  564+
                                                               ST
                                                                                          to save CC
000011CC
                                                                     R11
         07FB
                                                  565+
                                                               BR
                                                                                       return
000011D0
                                                  566+RE1
                                                               DC
                                                                     0F
                                                               DROP
                                                                     R5
000011D0
                                                  567+
         0000000 00000000
                                                                     XL16' 0000000000000000000000000000000000C'
                                                  568
                                                               DC
                                                                                                             V1 result
000011D0
```

	0. 7. 0 zvector-e6-1			(Zvector E6	√101 - 1 <i>)</i>		oz Juli 202	4 16: 00: 20	rage	1
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00011D8 00011E0	00000000 0000000C 00000000 00000000			569	DC	FD' 0'		R2 source		
OOOTIEO	0000000 0000000			570	DC	TD U		NZ Source		
				571		VCVD, 159, 1, 0				
00011E8		000011E8		572+	DS	OFD * DE	hase for test data and	tost moutin	•	
00011E8 00011E8	00001204	UUUUIIE8		573+ 574+T2	USI NG DC	A(X2)	base for test data and address of test routing		e	
00011EC	0002			<b>575</b> +	DC	H'2'	test number			
00011EE	00			<b>576</b> +	DC	XL1' 00'				
00011EF 00011F0	9F 01			577+ 578+	DC DC	HL1' 159' HL1' 1'	i 3 m4			
00011F0	00			579+	DC	HL1' 0'	CC			
00011F2	07			<b>580</b> +	DC	HL1' 7'	cc failed mask			
00011F3	E5C3E5C4 40404040			581+	DC	CL8' VCVD'	instruction name			
00011FC 0001200	00000010 00001228			582+ 583+REA2	DC DC	A(16) A(RE2)	result length result address			
,001&UU	OUU I WWU			<b>584</b> +*	DC	ii(WLW)	INSTRUCTION UNDER TEST	ROUTINE		
0001204	TH40 0740 0777		00001	585+X2	DS	OF				
0001204	E710 8F40 0006		00001140	586+	VL 1.C	V1, V1FUDGE	pollute V1			
000120A 0001210	E320 9038 0004 E612 0019 F058		00001238	587+ 588+	1 G VCVD	R2, RE2+16 V1, R2, 159, 1	get R2 source test instruction			
0001216	E710 8F08 000E		00001108	<b>589</b> +	VST	V1, W2, 100, 1 V1, V10UTPUT	save			
000121C	B98D 0020			<b>590</b> +	EPSW	R2, R0	exptract psw			
001220 001224	5020 8EE4 07FB		000010E4	591+ 592+	ST BR	R2, CCPSW R11	to save CC			
001224	U/FB			592+ 593+RE2	DC	OF	return			
001228				<b>594</b> +	DROP	R5				
0001228	00000000 00000000			<b>595</b>	DC	XL16' 000000000	00000000000000000001C'	V1 result		
0001230 0001238	00000000 0000001C 00000000 00000001			596	DC	FD' 1'		R2 source		
7001200				<b>597</b>	20	12 1		Na Source		
004040				598		VCVD, 159, 1, 0				
0001240 0001240		00001240		599+ 600+	DS USI NG	VFD * R5	base for test data and	tost routin	Δ	
001240	0000125C	00001240		601+T3	DC	A(X3)	address of test routin		E	
0001244	0003			602+	DC	H'3'	test number			
001246	00 9F			603+ 604+	DC DC	XL1' 00'	<b>:</b> 2			
0001247 0001248	9r 01			605+	DC DC	HL1' 159' HL1' 1'	i3 m4			
0001249	00			<b>606</b> +	DC	HL1' 0'	cc			
000124A	07			607+	DC	HL1'7'	cc failed mask			
000124B 0001254	E5C3E5C4 40404040 00000010			608+ 609+	DC DC	CL8' VCVD' A(16)	instruction name result length			
0001254	000010			610+REA3	DC	A(RE3)	result address			
				611+*			INSTRUCTION UNDER TEST	ROUTINE		
000125C	E710 OE40 0000		00001140	612+X3	DS VI	OF	nollute V1			
000125C 0001262	E710 8F40 0006 E320 5050 0004		00001140 00001290	613+ 614+	VL 1 G	V1, V1FUDGE R2, RE3+16	pollute V1 get R2 source			
0001268	E612 0019 F058		30001200	615+	VCVD	V1, R2, 159, 1	test instruction			
000126E	E710 8F08 000E		00001108	<b>616</b> +	VST	V1, V10UTPUT	save			
0001274	B98D 0020		00001054	617+ 618+		R2, R0	exptract psw			
0001278 000127C	5020 8EE4 07FB		000010E4	618+ 619+	ST BR	R2, CCPSW R11	to save CC return			
0001280				620+RE3	DC	0F	2 0 0 0 2 1 2			
0001280	0000000 0000000			621+	DROP	R5	000000000000000000000000000000000000000	¥74 T.		
001280	00000000 00000000			622	DC	XL16' 0000000000	000000000000000000001D'	V1 result		

SMA Ver.	0. 7. 0 zvector- e6- 1	3- convertt	odeci mal	(Zvector E6 V	RI - i )		02 Jun 202	4 16: 00: 20 Page
LOC	OBJECT CODE	ADDR1	ADDR2	STMI				
0001288 0001290	0000000 0000001D FFFFFFF FFFFFFF			623	DC	FD' - 1'		R2 source
				624 625	VRR K	VCVD, 159, 1, 0		I NT_MAX
0001298				<b>626</b> +	DS	OFD		
0001298 0001298	000012B4	00001298		627+ 628+T4	USI NG DC	*, R5 A(X4)	base for test data and address of test routin	
000129C	0004			<b>629</b> +	DC	H' 4'	test number	
000129E 000129F	00 9F			630+ 631+	DC DC	XL1' 00' HL1' 159'	i 3	
00012A0	01			<b>632</b> +	DC	HL1' 1'	m4	
00012A1 00012A2	00 07			633+ 634+	DC DC	HL1' 0' HL1' 7'	cc cc failed mask	
00012A3	E5C3E5C4 40404040			<b>635</b> +	DC	CL8' VCVD'	instruction name	
00012AC 00012B0	00000010 000012D8			636+ 637+REA4	DC DC	A(16) A(RE4)	result length result address	
00019D4				638+*	DC .		INSTRUCTION UNDER TEST	ROUTINE
00012B4 00012B4	E710 8F40 0006		00001140	639+X4 640+	DS VL	OF V1, V1FUDGE	pollute V1	
00012BA 00012C0	E320 5050 0004 E612 0019 F058		000012E8	641+ 642+	1 G VCVD	R2, RE4+16 V1, R2, 159, 1	get R2 source test instruction	
00012C6	E710 8F08 000E		00001108	<b>643</b> +	VST	V1, V10UTPUT	save	
00012CC 00012D0	B98D 0020 5020 8EE4		000010E4	644+ 645+	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC	
00012D4	07FB		000010E4	<b>646</b> +	BR	R11	return	
00012D8 00012D8				647+RE4 648+	DC DROP	OF R5		
0012D8 00012E0	0000000 00000000 00000214 7483647C			649	DC		000000000002147483647C'	V1 result
0012E8	00000000 7FFFFFF			650 651	DC	FD' 2147483647'		R2 source
001000				652		VCVD, 159, 1, 0		INT_MIN
00012F0 00012F0		000012F0		653+ 654+	DS USI NG	OFD *. R5	base for test data and	test routine
00012F0	0000130C			655+T5	DC	A(X5)	address of test routin	
00012F4 00012F6	0005 00			656+ 657+	DC DC	H' 5' XL1' 00'	test number	
00012F7 00012F8	9F 01			658+ 659+	DC DC	HL1' 159' HL1' 1'	i 3 m4	
00012F9	00			<b>660</b> +	DC	HL1' 0'	cc	
00012FA 00012FB	07 E5C3E5C4 40404040			661+ 662+	DC DC	HL1' 7' CL8' VCVD'	cc failed mask instruction name	
0001304	00000010			<b>663</b> +	DC	A(16)	result length	
0001308	00001330			664+REA5 665+*	DC	A(RE5)	result address INSTRUCTION UNDER TEST	ROUTINE
000130C				666+X5	DS	<b>0F</b>		ROUTINE
000130C 0001312	E710 8F40 0006 E320 5050 0004		00001140 00001340	667+ 668+	VL 1 G	V1, V1FUDGE R2, RE5+16	pollute V1 get R2 source	
0001318	E612 0019 F058			<b>669</b> +	VCVD	V1, R2, 159, 1	test instruction	
000131E 0001324	E710 8F08 000E B98D 0020		00001108	670+ 671+	VST EPSW	V1, V10UTPUT R2, R0	save exptract psw	
0001328	5020 8EE4		000010E4	<b>672</b> +	ST	R2, CCPSW	to save CC	
000132C 0001330	07FB			673+ 674+RE5	BR DC	R11 OF	return	
0001330 0001330	0000000 00000000			675+ 676	DROP DC	<b>R</b> 5	000000000002147483648D'	V1 result

	0. 7. 0 zvector- e6- 1			(Zvector E6 VI	RI-i)		02 Jun 2024	16: 00: 20	Page	18
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00001338 00001340	00000214 7483648D FFFFFFF 80000000			677	DC	FD' - 2147483648'	1	R2 source		
				678 679 * VCVD 680 *		m4= 1 ( LB=0, i 3= 137 ( IOM=1,				
00001040				681 682	VRR_K	VCVD, 137, 1, 0	,			
00001348 00001348		00001348		683+ 684+	DS USING	<b>OFD</b> *, <b>R</b> 5	base for test data and	test routi	ne	
00001348 0000134C	00001364 0006			685+T6 686+	DC DC	A(X6) H' 6'	address of test routine test number			
0000134E	00			687+	DC	XL1' 00'	: a			
0000134F 00001350	89 01			688+ 689+	DC DC	HL1' 137' HL1' 1'	i 3 m4			
00001351	00			<b>690</b> +	DC	HL1' 0'	cc			
00001352 00001353	07 E5C3E5C4 40404040			691+ 692+	DC DC	HL1' 7' CL8' VCVD'	cc failed mask instruction name			
00001353 0000135C				693+	DC	A(16)	result length			
00001360	00001388			694+REA6 695+*	DC	A(RE6)	result address INSTRUCTION UNDER TEST	ROUTI NE		
00001364	E710 0E40 0000		00001140	696+X6	DS	OF	11			
00001364 0000136A	E710 8F40 0006 E320 5050 0004		00001140 00001398	697+ 698+	VL lG	V1, V1FUDGE R2, RE6+16	pollute V1 get R2 source			
00001370	E612 0018 9058			699+	VCVD	V1, R2, 137, 1	test instruction			
00001376 0000137C	E710 8F08 000E B98D 0020		00001108	700+ 701+	VST	V1, V10UTPUT R2, R0	save			
00001370	5020 8EE4		000010E4	701+ 702+	ST	R2, CCPSW	exptract psw to save CC			
00001384 00001388	07FB			703+ 704+RE6	BR DC	R11 0F	return			
00001388 00001388	0000000 00000000			705+ 706	DROP DC	R5	00000000000000000000C'	V1 result		
00001390 00001398	0000000 0000000C 0000000 00000000			707	DC	FD' 0'	]	R2 source		
				708 709	VPD K	VCVD, 137, 1, 0				
000013A0				710+	DS	OFD				
000013A0	000019BC	000013A0		711+	USING		base for test data and		ne	
000013A0 000013A4	000013BC 0007			712+T7 713+	DC DC	A(X7) H' 7'	address of test routine test number			
000013A6	00			714+	DC	XL1' 00'				
000013A7 000013A8				715+ 716+	DC DC	HL1' 137' HL1' 1'	i 3 m4			
000013A8				717+	DC	HL1' 0'	CC			
000013AA	07			718+	DC	HL1'7'	cc failed mask			
000013AB 000013B4	E5C3E5C4 40404040 00000010			719+ 720+	DC DC	CL8' VCVD' A(16)	instruction name result length			
000013B8	000013E0			721+REA7 722+*	DC	A(RE7)	result address	<b>ΟΛΙΙΤΊ ΜΕ</b>		
000013BC				722+* 723+X7	DS	0F	INSTRUCTION UNDER TEST	NUUIINE		
000013BC	E710 8F40 0006		00001140	<b>724</b> +	VL	V1, V1FUDGE	pollute V1			
000013C2 000013C8	E320 5050 0004 E612 0018 9058		000013F0	725+ 726+	l G VCVD	R2, RE7+16 V1, R2, 137, 1	get R2 source test instruction			
000013CE	E710 8F08 000E		00001108	727+	<b>VST</b>	V1, V10UTPUT	save			
000013D4	B98D 0020		000010E4	728+	<b>EPSW</b>	R2, R0	exptract psw			
000013D8 000013DC	5020 8EE4 07FB		000010E4	729+ 730+	ST BR	R2, CCPSW R11	to save CC return			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 VI	RI-i)		02 Jun 202	4 16: 00: 20	Page	19
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
000013E0 000013E0 000013E0	00000000 00000000			731+RE7 732+ 733	DC DROP DC	0F R5	000000000000000000001C'	V1 result		
000013E8	0000000 0000001C						000000000000000000000000000000000000000			
000013F0	00000000 00000001			734 735	DC	FD' 1'		R2 source		
000013F8		000010F0		736 737+	DS	VCVD, 137, 1, 0 OFD				
000013F8 000013F8 000013FC	00001414 0008	000013F8		738+ 739+T8 740+	USI NG DC DC	^, K5 A(X8) H' 8'	base for test data and address of test routing test number		e	
000013FE 000013FF	00 89			741+ 742+	DC DC	XL1' 00' HL1' 137'	i3			
00001400 00001401 00001402	01 00 07			743+ 744+ 745+	DC DC DC	HL1' 1' HL1' 0' HL1' 7'	m4 cc cc failed mask			
00001403 0000140C	E5C3E5C4 40404040 00000010			746+ 747+	DC DC	CL8' VCVD' A(16)	instruction name result length			
00001410 00001414	00001438			748+REA8 749+* 750+X8	DC DS	A(RE8) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
00001414 00001414 0000141A	E710 8F40 0006 E320 5050 0004		00001140 00001448	751+ 752+	VL 1 G	V1, V1FUDGE R2, RE8+16	pollute V1 get R2 source			
00001420 00001426 0000142C	E612 0018 9058 E710 8F08 000E B98D 0020		00001108	753+ 754+ 755+	VCVD VST FPSW	V1, R2, 137, 1 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00001430 00001434	5020 8EE4 07FB		000010E4	756+ 757+ 758+RE8	ST BR	R2, CCPSW R11	to save CC return			
00001438 00001438 00001438	00000000 00000000			759+ 760	DC DROP DC	OF R5 XL16' 0000000000000	000000000000000000001D'	V1 result		
00001440 00001448	00000000 0000001D FFFFFFF FFFFFFF			761 762	DC	FD' - 1'		R2 source		
00001450				763 764+	VRR_K DS	VCVD, 137, 1, 3 OFD		INT_MAX		
00001450 00001450	0000146C	00001450		765+ 766+T9	USI NG DC	*, <b>R5</b> A( <b>X9</b> )	base for test data and address of test routin		e	
00001454 00001456 00001457	0009 00 89			767+ 768+ 769+	DC DC DC	H' 9' XL1' 00' HL1' 137'	test number i3			
00001458 00001459	01 03			770+ 771+	DC DC	HL1' 1' HL1' 3'	m4 cc			
0000145A 0000145B 00001464	OE E5C3E5C4 40404040 00000010			772+ 773+ 774+	DC DC DC	HL1' 14' CL8' VCVD' A(16)	cc failed mask instruction name result length			
00001468	00001490			775+REA9 776+*	DC	A(RE9)	result address INSTRUCTION UNDER TEST	ROUTINE		
0000146C 0000146C 00001472	E710 8F40 0006 E320 5050 0004		00001140 000014A0	777+X9 778+ 779+	DS VL 1 G	OF V1, V1FUDGE R2, RE9+16	pollute V1 get R2 source			
00001478 0000147E	E612 0018 9058 E710 8F08 000E		000014A0	780+ 781+	VCVD VST	V1, R2, 137, 1 V1, V10UTPUT	test instruction save			
00001484 00001488 0000148C	B98D 0020 5020 8EE4 07FB		000010E4	782+ 783+ 784+	EPSW ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			

ASMA Ver.	0.7.0 zvector-e6-1	3-convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	4 16: 00: 20 Page	20
LOC	OBJECT CODE	ADDR1	ADDR2	STMI					
00001490				785+RE9	DC	0F			
00001490	00000000 0000000			786+	DROP	R5	200000000014740004761	7/4	
00001490 00001498	00000000 00000000 00000014 7483647C			787	DC	XL16, 0000000000000	00000000000147483647C'	V1 result	
0001498 00014A0	00000014 7483047C 00000000 7FFFFFF			788	DC	FD' 2147483647'		R2 source	
	0000000 /111111			789	DC	10 211/10001/		No Source	
				790	VRR_K	VCVD, 137, 1, 3		INT_MIN	
000014A8				791+	DS	OFD			
00014A8	00001464	000014A8		792+	USING		base for test data and		
00014A8 00014AC	000014C4 000A			793+T10 794+	DC DC	A(X10) H' 10'	address of test routing test number	е	
00014AC	00			795+	DC	XL1' 00'	test number		
00014AF	89			<b>796</b> +	DC	HL1' 137'	i 3		
00014B0	01			<b>797</b> +	DC	HL1' 1'	m4		
00014B1	03			798+	DC	HL1'3'	cc		
00014B2	0E			799+	DC	HL1' 14'	cc failed mask		
00014B3 00014BC	E5C3E5C4 40404040 00000010			800+ 801+	DC DC	CL8' VCVD' A(16)	instruction name result length		
00014BC	000010 000014E8			802+REA10	DC DC	A(RE10)	result address		
0001400	000014120			803+*	ЪС	n(nero)	INSTRUCTION UNDER TEST	ROUTINE	
00014C4				804+X10	DS	0F			
00014C4	E710 8F40 0006		00001140	805+	$\mathbf{VL}$	V1, V1FUDGE	pollute V1		
00014CA	E320 5050 0004		000014F8	806+	l G	R2, RE10+16	get R2 source		
00014D0	E612 0018 9058 E710 8F08 000E		00001100	807+ 808+	VCVD VST	V1, R2, 137, 1	test instruction		
00014D6 00014DC	B98D 0020		00001108	809+		V1, V10UTPUT R2, R0	save exptract psw		
00014E0	5020 8EE4		000010E4	810+	ST	R2, CCPSW	to save CC		
00014E4	07FB		00001021	811+	BR	R11	return		
00014E8				812+RE10	DC	<b>0F</b>			
00014E8	0000000 0000000			813+	DROP	R5	200000000001 47 4000 40DI	¥74 1.	
00014E8 00014F0	00000000 00000000 00000014 7483648D			814	DC	XL16, 0000000000000	00000000000147483648D'	V1 result	
	FFFFFFF 8000000			815	DC	FD' - 2147483648'			
0001410				816	ЪС	10 211/100010			
				817 *					
				818 * VCVD		$\mathbf{m}4 = 3  (\mathbf{L}\mathbf{B} = 0, \mathbf{I}$			
				819 *		i3= 159 ( IOM=1,	RDC=31)		
				820 821	VDD V	VCVD, 159, 3, 0			
0001500				822+	VKK_K DS	VCVD, 139, 3, U OFD			
0001500		00001500		823+	USING	*, <b>R</b> 5	base for test data and	test routine	
0001500	0000151C			824+T11	DC	A(X11)	address of test routing	e	
0001504	000B			825+	DC	H' 11'	test number		
	00			826+	DC	XL1' 00'	10		
0001507 0001508	9F 03			827+ 828+	DC DC	HL1' 159' HL1' 3'	i 3 m4		
0001508	00			829+	DC DC	нц з НЦ1' 0'	CC		
0001503	07			830+	DC	HL1' 7'	cc failed mask		
000150B	E5C3E5C4 40404040			831+	DC	CL8' VCVD'	instruction name		
00001514	00000010			832+	DC	A(16)	result length		
00001518	00001540			833+REA11	DC	A(RE11)	result address	DOUTENE	
000151C				834+* 835+X11	DS	<b>OF</b>	INSTRUCTION UNDER TEST	KUUIINE	
000151C 000151C	E710 8F40 0006		00001140	836+	VL	V1, V1FUDGE	pollute V1		
0001510	E320 5050 0004		00001140	837+	ÌĠ	R2, RE11+16	get R2 source		
00001528	E612 0039 F058			838+		V1, R2, 159, 3	test instruction		
						, ,, -			

R2, RE15+16

V1, R2, 159, 3

get R2 source

test instruction

1 G

**VCVD** 

00001682

00001688

E320 5050 0004

E612 0039 F058

000016B0

945+

946 +

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 VR	RI-i)		02 Jun 202	24 16: 00: 20 Pag	ge 23
LOC	OBJECT CODE	ADDR1	ADDR2	STMI					
0000168E 00001694	E710 8F08 000E B98D 0020		00001108	947+ 948+	VST EPSW	V1, V10UTPUT R2, R0	save exptract psw		
00001698 0000169C 000016A0	5020 8EE4 07FB		000010E4	949+ 950+ 951+RE15	ST BR DC	R2, CCPSW R11 OF	to save CC return		
000016A0 000016A0 000016A8	00000000 00000000 00000214 7483648F			952+ 953	DROP DC	R5 XL16' 000000000000	000000000002147483648F'	V1 result	
	FFFFFFF 80000000			954 955 956 * VCVD	DC	FD' - 2147483648' m4= 3 ( LB=0,	P1=1 . CS=1)	R2 source	
				957 * 958 959	WDD K	i 3= 137 ( I 0M=1, VCVD, 137, 3, 0			
000016B8 000016B8 000016B8	000016D4	000016B8		960+ 961+ 962+T16	DS USING DC	OFD *, R5	base for test data and address of test routing		
000016BC 000016BE	0010 00			963+ 964+	DC DC	A(X16) H' 16' XL1' 00'	test number	le	
000016C0 000016C1	89 03 00			965+ 966+ 967+	DC DC DC	HL1' 137' HL1' 3' HL1' 0'	i3 m4 cc		
000016C2 000016C3 000016CC	07 E5C3E5C4 40404040 00000010			968+ 969+ 970+	DC DC DC	HL1' 7' CL8' VCVD' A(16)	cc failed mask instruction name result length		
000016D0 000016D4	000016F8			971+REA16 972+* 973+X16	DC DS	A(RE16)  OF	result address INSTRUCTION UNDER TEST	Γ ROUTINE	
	E710 8F40 0006 E320 5050 0004 E612 0038 9058		00001140 00001708	974+ 975+ 976+		V1, V1FUDGE R2, RE16+16 V1, R2, 137, 3	pollute V1 get R2 source test instruction		
	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	977+ 978+ 979+	VST EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC		
000016F4 000016F8 000016F8	07FB			980+ 981+RE16 982+	BR DC DROP	R11 OF R5	return		
000016F8 00001700 00001708	00000000 00000000 00000000 0000000F 00000000			983 984	DC DC		00000000000000000000000F'	V1 result R2 source	
00001710				985 986 987+		VCVD, 137, 3, 0 OFD			
00001710	00001790	00001710		988+	USING	*, <b>R5</b>	base for test data and		
				989+T17 990+ 991+	DC DC DC	A(X17) H' 17' XL1' 00'	address of test routin	ie	
00001719	03 00			992+ 993+ 994+	DC DC DC	HL1' 137' HL1' 3' HL1' 0'	i 3 m4 cc		
0000171A 0000171B 00001724	07 E5C3E5C4 40404040 00000010			995+ 996+ 997+	DC DC DC	HL1' 7' CL8' VCVD' A(16)	cc failed mask instruction name result length		
00001728 0000172C	00001750			998+REA17 999+* 1000+X17	DC DS	A(RE17) OF	result address INSTRUCTION UNDER TEST	Γ ROUTINE	
					_~	- <del>-</del>			

ASMA Ver.	0. 7. 0 zv	ector-e6-13	3- convertt	odeci mal	(Zvector E	6 VRI-i)		02 Jun 202	4 16: 00: 20	Page	24
LOC	ОВЈЕСТ	CODE	ADDR1	ADDR2	STMT						
0000172C 00001732	E710 8F40 E320 5050	0004		00001140 00001760	1001+ 1002+	VL 1 G	V1, V1FUDGE R2, RE17+16	pollute V1 get R2 source			
00001738 0000173E 00001744	E612 0038 E710 8F08 B98D 0020	<b>000E</b>		00001108	1003+ 1004+ 1005+	VST	V1, R2, 137, 3 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00001748 0000174C 00001750	5020 8EE4 07FB			000010E4	1006+ 1007+ 1008+RE17	ST BR DC	R2, CCPSW R11 OF	to save CC return			
00001750 00001750 00001758	0000000 00000000	000001F			1009+ 1010	DROP DC		000000000000000001F'	V1 result		
00001760	00000000	00000001			1011 1012 1013		FD' 1' VCVD, 137, 3, 0		R2 source		
$00001768 \\ 00001768 \\ 00001768$	00001784		00001768		1014+ 1015+ 1016+T18	DS USING DC	OFD *, R5 A(X18)	base for test data and address of test routing		$\mathbf{e}$	
0000176C 0000176E 0000176F	0012 00 89				1017+ 1018+ 1019+	DC DC DC	H' 18' XL1' 00' HL1' 137'	test number i3			
00001770 00001771 00001772	03 00 07				1020+ 1021+ 1022+	DC DC DC	HL1'3' HL1'0' HL1'7'	m4 cc cc failed mask			
00001773 0000177C 00001780	E5C3E5C4 00000010 000017A8	40404040			1023+ 1024+ 1025+REA1	DC DC 8 DC	CL8' VCVD' A(16) A(RE18)	instruction name result length result address			
00001784 00001784	E710 8F40	0006		00001140	1026+* 1027+X18 1028+	DS VL	OF V1, V1FUDGE	INSTRUCTION UNDER TEST pollute V1	ROUTINE		
0000178A 00001790 00001796	E320 5050 E612 0038 E710 8F08	9058		000017B8 00001108	1029+ 1030+ 1031+	1 <b>G</b>	R2, RE18+16 V1, R2, 137, 3 V1, V10UTPUT	get R2 source test instruction save			
0000179C 000017A0 000017A4	B98D 0020 5020 8EE4 07FB			000010E4	1032+ 1033+ 1034+		R2, R0 R2, CCPSW R11	exptract psw to save CC return			
000017A8 000017A8 000017A8	00000000	00000000			1035+RE18 1036+ 1037	DC DC	OF R5	0000000000000000001F'	V1 result		
000017B0	00000000 FFFFFFFF	000001F			1038 1039	DC	FD' - 1'		R2 source		
000017C0 000017C0			000017C0		1040 1041+ 1042+	VRR_K DS USI NG	VCVD, 137, 3, 3 OFD *. R5	base for test data and	INT_MAX test routin	e	
000017C0 000017C4 000017C6	000017DC 0013 00				1043+T19 1044+ 1045+	DC DC DC	A(X19) H' 19' XL1' 00'	address of test routing test number			
000017C7 000017C8 000017C9	89 03 03				1046+ 1047+ 1048+	DC DC DC	HL1' 137' HL1' 3' HL1' 3'	i 3 m4 cc			
000017CA 000017CB 000017D4	0E E5C3E5C4 00000010	40404040			1049+ 1050+ 1051+	DC DC DC	HL1' 14' CL8' VCVD' A(16)	cc failed mask instruction name result length			
000017D8 000017DC	00001800				1052+REA1 1053+* 1054+X19		A(RE19) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
30001100					LUUIIMIU	2.5	<del>-</del>				

ASMA Ver.	0. 7. 0 zvector- e6- 1	3- convertt	odeci mal	(Zvector E6 VI	RI-i)		02 Jun 202	4 16: 00: 20	Page	26
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
00001884 00001888	00000010 000018B0			1109+ 1110+REA21 1111+*	DC DC	A(16) A(RE21)	result length result address	DOUTI NE		
0000188C 0000188C 00001892	E710 8F40 0006 E320 5050 0004		00001140 000018C0	1112+X21 1113+ 1114+	DS VL 1 G	OF V1, V1FUDGE R2, RE21+16	INSTRUCTION UNDER TEST pollute V1 get R2 source	ROUTINE		
00001898 0000189E	E612 0099 F058 E710 8F08 000E		00001108	1115+ 1116+	VST	V1, R2, 159, 9 V1, V10UTPUT	test instruction save			
000018A4 000018A8 000018AC	B98D 0020 5020 8EE4 07FB		000010E4	1117+ 1118+ 1119+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
000018B0 000018B0 000018B0	0000000 00000000			1120+RE21 1121+ 1122	DC DROP DC	OF R5 XL16' 0000000000000	0000000000000000000C'	V1 result		
000018B8 000018C0	00000000 0000000C 00000000 00000000			1123 1124	DC	FD' 0'		R2 source		
000018C8 000018C8		000018C8		1125 1126+ 1127+	VRR_K DS USI NG	VCVD, 159, 9, 0 OFD * R5	base for test data and	test routi	ne	
000018C8 000018CC 000018CE	000018E4 0016 00	00001000		1128+T22 1129+ 1130+	DC DC DC	A(X22) H' 22' XL1' 00'	address of test routing test number			
000018CF 000018D0 000018D1	9F 09 00			1131+ 1132+ 1133+	DC DC DC	HL1' 159' HL1' 9' HL1' 0'	i3 m4 cc			
000018D2 000018D3 000018DC	07 E5C3E5C4 40404040 00000010			1134+ 1135+ 1136+	DC DC DC	HL1' 7' CL8' VCVD' A(16)	cc failed mask instruction name result length			
000018E0 000018E4	00001908			1137+REA22 1138+* 1139+X22	DC DS	A(RE22) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
000018E4	E710 8F40 0006 E320 5050 0004 E612 0099 F058		$\begin{array}{c} 00001140 \\ 00001918 \end{array}$	1140+	VL l G	V1, V1FUDGE R2, RE22+16 V1, R2, 159, 9	pollute V1 get R2 source test instruction			
000018F6 000018FC 00001900	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	1143+ 1144+ 1145+	VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
$\begin{array}{c} 00001904 \\ 00001908 \\ 00001908 \end{array}$	07FB			1146+ 1147+RE22 1148+	BR DC DROP	R11 OF R5	return			
00001908 00001910	00000000 00000000 0000000 0000001C			1149	DC	XL16' 000000000000	0000000000000000001C'	V1 result		
00001918	00000000 00000001			1150 1151 1152	DC VRR_K	FD' 1' VCVD, 159, 9, 0		R2 source UINT_MAX		
00001920 00001920 00001920 00001924	0000193C 0017	00001920		1153+ 1154+ 1155+T23 1156+	DS USING DC DC	OFD	base for test data and address of test routing test number	test routi	ne	
00001926 00001927 00001928	00 9F 09			1157+ 1158+ 1159+	DC DC DC	XL1' 00' HL1' 159' HL1' 9'	i 3 m4			
00001929 0000192A 0000192B	00 07 E5C3E5C4 40404040			1160+ 1161+ 1162+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVD'	cc cc failed mask instruction name			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 V	RI-i)		02 Jun 202	4 16: 00: 20	Page	27
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00001934 00001938	00000010 00001960			1163+ 1164+REA23 1165+*	DC DC	A(16) A(RE23)	result length result address	DAUTI NE		
0000193C 0000193C	E710 8F40 0006		00001140	1166+X23 1167+	DS VL	OF V1, V1FUDGE	INSTRUCTION UNDER TEST pollute V1	RUUIINE		
00001948 0000194E	E320 5050 0004 E612 0099 F058 E710 8F08 000E		00001970 00001108	1168+ 1169+ 1170+	VST	R2, RE23+16 V1, R2, 159, 9 V1, V10UTPUT	get R2 source test instruction save			
00001954 00001958 0000195C	B98D 0020 5020 8EE4 07FB		000010E4	1171+ 1172+ 1173+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
00001960 00001960 00001960	0000000 00000000			1174+RE23 1175+ 1176	DC DROP DC	OF R5 XL16' 0000000000000	00000000004294967295C'	V1 result		
00001968 00001970	00000429 4967295C FFFFFFFF FFFFFFFF			1177 1178	DC	FD' - 1'		R2 source		
00001978 00001978		00001978		1179 1180+ 1181+	VRR_K DS USING	VCVD, 159, 9, 0 OFD *. R5	base for test data and	INT_MAX test routin	ne.	
00001978 0000197C	00001994 0018 00	00001070		1182+T24 1183+ 1184+	DC DC DC	A(X24) H' 24' XL1' 00'	address of test routing test number			
0000197F 00001980	9F 09 00			1185+ 1186+ 1187+	DC DC DC	HL1' 159' HL1' 9' HL1' 0'	i3 m4 cc			
00001982	07 E5C3E5C4 40404040 00000010			1188+ 1189+ 1190+	DC DC DC	HL1' 7' CL8' VCVD' A(16)	cc failed mask instruction name result length			
00001990	000019B8			1191+REA24 1192+* 1193+X24	DC DS	A(RE24) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
00001994 0000199A	E710 8F40 0006 E320 5050 0004 E612 0099 F058		00001140 000019C8	1194+	VL l G	V1, V1FUDGE R2, RE24+16 V1, R2, 159, 9	pollute V1 get R2 source test instruction			
000019A6	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	1197+ 1198+ 1199+	VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
000019B0 000019B4 000019B8 000019B8	07FB		00001014	1200+ 1201+RE24 1202+	BR DC DROP	R11 OF R5	return			
000019B8 000019C0	00000000 00000000 00000214 7483647C			1203	DC	XL16' 000000000000	00000000002147483647C'	V1 result		
000019C8	00000000 7FFFFFF			1204 1205 1206		FD' 2147483647' VCVD, 159, 9, 0		R2 source INT_MIN		
000019D0 000019D0 000019D0 000019D4	000019EC 0019	000019D0		1207+ 1208+ 1209+T25 1210+	DS USING DC DC	OFD *, R5 A(X25) H' 25'	base for test data and address of test routing test number		ne	
000019D6 000019D7 000019D8	00 9F 09			1211+ 1212+ 1213+	DC DC DC	XL1' 00' HL1' 159' HL1' 9'	i 3 m4			
000019D9 000019DA	00 07 E5C3E5C4 40404040			1214+ 1215+ 1216+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVD'	cc cc failed mask instruction name			

ASMA Ver.	0. 7. 0 zvector-e6-1	3- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	4 16: 00: 20	Page	28
LOC	OBJECT CODE	ADDR1	ADDR2	STM						
000019E4 000019E8	00000010 00001A10			1217+ 1218+REA25 1219+*	DC DC	A(16) A(RE25)	result length result address	DAUTI NE		
000019EC 000019EC 000019F2	E710 8F40 0006 E320 5050 0004		00001140 00001A20	1220+X25 1221+ 1222+	DS VL 1 G	0F V1, V1FUDGE R2, RE25+16	INSTRUCTION UNDER TEST pollute V1 get R2 source	KUUIINE		
	E612 0099 F058 E710 8F08 000E		00001108	1223+ 1224+	<b>VST</b>	V1, R2, 159, 9 V1, V10UTPUT	test instruction save			
00001A04 00001A08 00001A0C	B98D 0020 5020 8EE4 07FB		000010E4	1225+ 1226+ 1227+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
00001A10 00001A10 00001A10	00000000 00000000			1228+RE25 1229+ 1230	DC DROP DC	OF R5 XL16' 0000000000000	00000000002147483648C'	V1 result		
00001A18 00001A20	00000214 7483648C FFFFFFF 80000000			1231 1232	DC	FD' - 2147483648'		R2 source		
				1233 * VCVD 1234 * 1235		m4= 9 ( LB=1, P i3= 137 ( IOM=1,				
00001A28 00001A28		00001A28		1236 1237+ 1238+	VRR_K DS USING	VCVD, 137, 9, 0 OFD *, R5	base for test data and		ne	
00001A28 00001A2C 00001A2E	00001A44 001A 00			1239+T26 1240+ 1241+	DC DC DC	A(X26) H' 26' XL1' 00'	address of test routing test number	e		
00001A2F 00001A30 00001A31	89 09 00			1242+ 1243+ 1244+	DC DC DC	HL1' 137' HL1' 9' HL1' 0'	i 3 m4 cc			
00001A32	07 E5C3E5C4 40404040 00000010			1245+ 1246+ 1247+	DC DC DC	HL1' 7' CL8' VCVD' A(16)	cc failed mask instruction name result length			
	00001A68			1248+REA26 1249+* 1250+X26	DC DS	A(RE26) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
00001A44 00001A4A 00001A50	E710 8F40 0006 E320 5050 0004 E612 0098 9058		00001140 00001A78	1251+ 1252+ 1253+	VL l G	V1, V1FUDGE R2, RE26+16 V1, R2, 137, 9	pollute V1 get R2 source test instruction			
00001A56 00001A5C 00001A60	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	1254+ 1255+ 1256+	ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
00001A64 00001A68 00001A68	07FB			1257+ 1258+RE26 1259+	BR DC DROP	R11 OF R5	return			
00001A68 00001A70	00000000 00000000 00000000 0000000C			1260	DC	XL16' 0000000000000	00000000000000000C'	V1 result		
00001A78 00001A80	00000000 00000000			1261 1262 1263 1264+	DC VRR_K DS	FD' 0' VCVD, 137, 9, 0 OFD		R2 source		
00001A80 00001A80 00001A80	00001A9C 001B	00001A80		1264+ 1265+ 1266+T27 1267+	USI NG DC DC		base for test data and address of test routing test number		ne	
00001A84 00001A86 00001A87 00001A88	00 89 09			1268+ 1269+ 1270+	DC DC DC	XL1' 00' HL1' 137' HL1' 9'	i3 m4			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 VI	RI-i)		02 Jun 2024	l 16: 00: 20 Pag	ge 29
LOC	OBJECT CODE	ADDR1	ADDR2	STMT					
00001A89 00001A8A 00001A8B 00001A94 00001A98	00 07 E5C3E5C4 40404040 00000010 00001AC0			1271+ 1272+ 1273+ 1274+ 1275+REA27	DC DC DC DC	HL1' 0' HL1' 7' CL8' VCVD' A(16) A(RE27)	cc cc failed mask instruction name result length result address		
00001A9C 00001A9C 00001AA2 00001AA8 00001AAE 00001AB4 00001AB8 00001ABC	E710 8F40 0006 E320 5050 0004 E612 0098 9058 E710 8F08 000E B98D 0020 5020 8EE4 07FB		00001140 00001AD0 00001108 000010E4	1276+* 1277+X27 1278+ 1279+ 1280+ 1281+ 1282+ 1283+ 1284+	VST	OF V1, V1FUDGE R2, RE27+16 V1, R2, 137, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11	pollute V1 get R2 source test instruction save exptract psw to save CC return	ROUTINE	
00001AC0 00001AC0 00001AC0 00001AC8 00001AD0	00000000 00000000 00000000 0000001C 00000000 00000001			1285+RE27 1286+ 1287 1288 1289	DC DROP DC DC	OF R5 XL16' 000000000000000000000000000000000000	000000000000000001C'	V1 result R2 source	
00001AD8 00001AD8 00001AD8 00001ADC 00001ADE 00001ADF 00001AE0	00001AF4 001C 00 89 09	00001AD8		1290 1291+ 1292+ 1293+T28 1294+ 1295+ 1296+ 1297+	VRR_K DS USING DC DC DC DC DC	VCVD, 137, 9, 3 OFD *, R5 A(X28) H' 28' XL1' 00' HL1' 137' HL1' 9'	base for test data and address of test routine test number  i3 m4		
00001AE1 00001AE2 00001AE3 00001AEC	03 0E E5C3E5C4 40404040 00000010 00001B18			1298+ 1299+ 1300+ 1301+ 1302+REA28 1303+* 1304+X28	DC DC DC DC DC DC DC	HL1' 3' HL1' 14' CL8' VCVD' A(16) A(RE28)	cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST	ROUTI NE	
00001AF4 00001AFA 00001B00 00001B06 00001B0C 00001B10	E710 8F40 0006 E320 5050 0004 E612 0098 9058 E710 8F08 000E B98D 0020 5020 8EE4		00001140 00001B28 00001108 000010E4	1305+ 1306+ 1307+ 1308+ 1309+ 1310+	VL 1 G VCVD VST EPSW ST	V1, V1FUDGE R2, RE28+16 V1, R2, 137, 9 V1, V1OUTPUT R2, R0 R2, CCPSW	pollute V1 get R2 source test instruction save exptract psw to save CC		
00001B14 00001B18 00001B18 00001B18 00001B20 00001B28	00000000 00000000 00000029 4967295C FFFFFFFF FFFFFFF			1311+ 1312+RE28 1313+ 1314 1315 1316	BR DC DROP DC	R11 OF R5 XL16' 000000000000000000000000000000000000	return 00000000000294967295C'	V1 result R2 source	
00001B30 00001B30 00001B30 00001B34 00001B36	00001B4C 001D 00	00001B30		1317 1318+ 1319+ 1320+T29 1321+ 1322+	VRR_K DS USING DC DC DC	VCVD, 137, 9, 3 OFD *, R5 A(X29) H' 29' XL1' 00'	base for test data and address of test routine test number		
00001B37	89 09			1323+ 1324+	DC DC	HL1' 137' HL1' 9'	i 3 m4		

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 V	RI-i)		02 Jun 2024	<b>1</b> 16: 00: 20	Page	30
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
00001B3A				1325+ 1326+	DC DC	HL1' 3' HL1' 14'	cc cc failed mask			
00001B44	E5C3E5C4 40404040 00000010 00001B70			1327+ 1328+ 1329+REA29	DC DC DC	CL8' VCVD' A(16) A(RE29)	instruction name result length result address			
00001B4C	E710 8F40 0006		00001140	1330+* 1331+X29 1332+	DS VL	OF V1, V1FUDGE	INSTRUCTION UNDER TEST	ROUTINE		
00001B52 00001B58	E320 5050 0004 E612 0098 9058		00001B80	1333+ 1334+	l G VCVD	R2, RE29+16 V1, R2, 137, 9	pollute V1 get R2 source test instruction			
	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	1335+ 1336+ 1337+	VST EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
00001B6C 00001B70	07FB		COOLULI	1338+ 1339+RE29	BR DC	R11 0F	return			
00001B70 00001B70 00001B78	00000000 00000000 00000014 7483647C			1340+ 1341	DROP DC	R5 XL16' 0000000000000	0000000000147483647C'	V1 result		
00001B80	00000000 7FFFFFF			1342 1343 1344	DC VPP K	FD' 2147483647' VCVD, 137, 9, 3		R2 source INT_MIN		
00001B88 00001B88		00001B88		1345+ 1346+	DS USI NG	OFD *, R5	base for test data and	test routine	e	
00001B88 00001B8C 00001B8E	00001BA4 001E 00			1347+T30 1348+ 1349+	DC DC DC	A(X30) H' 30' XL1' 00'	address of test routine test number	9		
00001B8F 00001B90	89 09			1350+ 1351+	DC DC	HL1' 137' HL1' 9'	i 3 m4			
	03 0E E5C3E5C4 40404040			1352+ 1353+ 1354+	DC DC DC	HL1' 3' HL1' 14' CL8' VCVD'	cc cc failed mask instruction name			
00001B9C 00001BA0				1355+ 1356+REA30 1357+*	DC DC	A(16) A(RE30)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
	E710 8F40 0006		00001140	1358+X30 1359+	DS VL	OF V1, V1FUDGE	pollute V1			
00001BB0	E320 5050 0004 E612 0098 9058 E710 8F08 000E		00001BD8 00001108	1360+ 1361+ 1362+	1 G VCVD VST	R2, RE30+16 V1, R2, 137, 9 V1, V10UTPUT	get R2 source test instruction save			
00001BBC 00001BC0 00001BC4	B98D 0020 5020 8EE4 07FB		000010E4	1363+ 1364+ 1365+		R2, R0 R2, CCPSW R11	exptract psw to save CC return			
00001BC8 00001BC8				1366+RE30 1367+	DC DROP	OF R5				
00001BD0	00000000 00000000 00000014 7483648C FFFFFFF 80000000			1368 1369	DC DC	XL16' 000000000000 FD' - 2147483648'	0000000000147483648C'	V1 result		
30001220				1370 1371 *						
				1372 * VCVD 1373 * 1374	·	m4= 11 ( LB=1, P i3= 159 ( IOM=1,				
00001BE0 00001BE0		00001BE0		1375 1376+ 1377+	VRR_K DS USING	VCVD, 159, 11, 0 OFD *, R5	base for test data and	test routine	e	
	00001BFC			1378+T31	DC	A(X31)	address of test routine			

ASMA Ver.	0. 7. 0 zvector-e6-	13-convertt	odeci mal	(Zvector E6 V	RI-i)		02 Jun 2024	1 16: 00: 20	Page	31
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00001BE4	001F			1379+	DC	H' 31'	test number			
00001BE6	00			1380+ 1381+	DC	XL1' 00'	: 0			
00001BE7 00001BE8	9F 0B			1381+ 1382+	DC DC	HL1' 159' HL1' 11'	i 3 m4			
00001BE8	0 <b>Б</b>			1382+	DC	HL1' 0'	CC			
00001BES	07			1384+	DC	HL1' 7'	cc failed mask			
00001BEB	E5C3E5C4 40404040			1385+	DC	CL8' VCVD'	instruction name			
00001BF4	00000010			1386+	DC	A(16)	result length			
00001BF8	00001C20			1387+REA31	DC	A(RE31)	result address			
				1388+*			INSTRUCTION UNDER TEST	ROUTINE		
00001BFC				1389+X31	DS	OF				
00001BFC	E710 8F40 0006		00001140	1390+	VL	V1, V1FUDGE	pollute V1			
00001C02	E320 5050 0004		00001C30	1391+	l G	R2, RE31+16	get R2 source			
00001C08	E612 00B9 F058		00001100	1392+	VCT	V1, R2, 159, 11	test instruction			
00001C0E 00001C14	E710 8F08 000E B98D 0020		00001108	1393+ 1394+	VST FDSW	V1, V10UTPUT R2, R0	save			
00001C14 00001C18	5020 8EE4		000010E4	1394+ 1395+	EPSW ST	R2, CCPSW	exptract psw to save CC			
00001C18	07FB		00001014	1396+	BR	R11	return			
00001C1C	0,1 <b>D</b>			1397+RE31	DC	OF	1 Cui II			
00001C20				1398+	DROP	R5				
00001C20	00000000 00000000			1399	DC	XL16' 000000000000	0000000000000000000000F'	V1 result		
00001C28	00000000 0000000F									
00001C30	00000000 00000000			1400	DC	FD' 0'		R2 source		
				1401						
00001000				1402		VCVD, 159, 11, 0				
00001C38		00001020		1403+	DS	OFD * DE	has fan tast data and	toot mouti		
00001C38 00001C38	00001C54	00001C38		1404+ 1405+T32	USI NG DC	A(X32)	base for test data and address of test routing		ne	
00001C38	00001034			1405+132 1406+	DC DC	H' 32'	test number	=		
00001C3E	00			1407+	DC	XL1' 00'	test number			
00001C3F	9F			1408+	DC	HL1' 159'	i 3			
	OB			1409+	DC	HL1' 11'	m4			
00001C41	00			1410+	DC	HL1' 0'	cc			
00001C42				1411+	DC	HL1' 7'	cc failed mask			
	E5C3E5C4 40404040			1412+	DC	CL8' VCVD'	instruction name			
	00000010			1413+	DC	A(16)	result length			
00001C50	00001C78			1414+REA32	DC	A(RE32)	result address	DOUGLAG		
00001654				1415+* 1416+X32	DC	<b>OF</b>	INSTRUCTION UNDER TEST	KUUIINE		
00001C54 00001C54	E710 8F40 0006		00001140	1416+X32 1417+	DS VL	V1, V1FUDGE	pollute V1			
00001C54 00001C5A	E320 5050 0004			1417+ 1418+	l G	R2, RE32+16	get R2 source			
00001C3A	E612 00B9 F058		30001000	1419+		V1, R2, 159, 11	test instruction			
00001C66	E710 8F08 000E		00001108	1420+	VST	V1, V10UTPUT	save			
00001C6C	B98D 0020			1421+		R2, R0	exptract psw			
00001C70	5020 <b>8EE4</b>		000010E4	1422+	ST	R2, CCPSW	to save CC			
00001C74	07FB			1423+	BR	R11	return			
00001C78				1424+RE32	DC	0F				
00001C78	00000000 0000000			1425+	DROP	R5	00000000000000000000000000000000000000	W1 1		
00001C78	00000000 00000000000000000000000000000			1426	DC	YF10, 0000000000000	0000000000000000001F'	V1 result		
00001C80 00001C88	00000000 0000001F 0000000 00000001			1427	DC	FD' 1'		R2 source		
				1428						
00001000				1429		VCVD, 159, 11, 0		UI NT_MAX		
00001C90		00001600		1430+	DS	OFD * DE	hasa for test lets	toot		
00001C90	00001CAC	00001C90		1431+ 1432+T33	USI NG DC	· *, K5 A(X33)	base for test data and address of test routing		ue	
00001C90										

				(Zvector E6 V	K1-1)		02 Juli 202	4 16: 00: 20	rage	32
LOC	OBJECT CODE	ADDR1	ADDR2	STMF						
0001C94	0021			1433+	DC	Н' 33'	test number			
				1434+	DC	XL1' 00'				
0001C97	9 <b>F</b>			1435+	DC	HL1' 159'	i 3			
0001C98	OB			1436+	DC	<b>肚1' 11'</b>	m4			
0001C99	00			1437+	DC	HL1' 0'	cc			
0001C9A	07			1438+	DC	HL1'7'	cc failed mask			
	E5C3E5C4 40404040			1439+	DC	CL8' VCVD'	instruction name			
	00000010			1440+	DC	A(16)	result length			
0001CA8	00001CD0			1441+REA33	DC	A(RE33)	result address	DOUGLAGE		
0001616				1442+*	D.C.	O.F.	INSTRUCTION UNDER TEST	ROUTINE		
0001CAC	E710 0E40 0000		00001140	1443+X33	DS	OF	114 V1			
0001CAC	E710 8F40 0006		00001140	1444+	VL LC	V1, V1FUDGE	pollute V1			
0001CB2	E320 5050 0004		00001CE0		l G	R2, RE33+16	get R2 source			
0001CB8	E612 00B9 F058		00001100	1446+		V1, R2, 159, 11	test instruction			
	E710 8F08 000E		00001108	1447+	VST	V1, V10UTPUT	save			
0001CC4 0001CC8	B98D 0020 5020 8EE4		000010E4	1448+ 1449+	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC			
	07FB		UUUUIUE4	1449+ 1450+	BR	R2, CCPSW				
0001CCC 0001CD0	O/TD			1450+ 1451+ <b>RE</b> 33	DK DC	OF	return			
0001CD0				1451+RE55 1452+	DROP	R5				
001CD0	00000000 00000000			1453	DC		00000000004294967295F'	V1 result		
001CD0	0000000 0000000 00000429 4967295F			1433	DC	ALIO 00000000000	J000000004£34307£331	VI TESUIT		
	FFFFFFF FFFFFFF			1454	DC	FD' - 1'		R2 source		
JOUICEO	*********			1455	ЪС	10 1		Na Source		
				1456	VRR K	VCVD, 159, 11, 0		INT_MAX		
0001CE8				1457+	DS DS	OFD		1111_11111		
001CE8		00001CE8		1458+	USING		base for test data and	test routin	ıe.	
0001CE8	00001D04	OUUTELO		1459+T34	DC	A(X34)	address of test routin		Č	
0001CEC	0022			1460+	DC	H' 34'	test number			
0001CEE	00			1461+	DC	XL1' 00'				
	9F			1462+	DC	HL1' 159'	i 3			
0001CF0				1463+	DC	HL1' 11'	m4			
0001CF1				1464+	DC	HL1' 0'	cc			
				1465+	DC	HL1' 7'	cc failed mask			
				<b>1466</b> +	DC	CL8' VCVD'	instruction name			
0001CFC	0000010			1467+	DC	A(16)	result length			
0001D00	00001D28			1468+REA34	DC	A(RE34)	result address			
				1469+*			INSTRUCTION UNDER TEST	ROUTINE		
0001D04				1470+X34	DS	0F				
0001D04	E710 8F40 0006		00001140	1471+	VL	V1, V1FUDGE	pollute V1			
0001D0A	E320 5050 0004		00001D38	1472+	1 G	R2, RE34+16	get R2 source			
0001D10	E612 00B9 F058		00001:55	1473+	VCVD	V1, R2, 159, 11	test instruction			
0001D16	E710 8F08 000E		00001108	1474+	VST	V1, V10UTPUT	save			
0001D1C	B98D 0020		0000107	1475+	EPSW	R2, R0	exptract psw			
0001D20	5020 8EE4		000010E4	1476+	ST	R2, CCPSW	to save CC			
0001D24	07FB			1477+	BR	R11	return			
0001D28				1478+RE34	DC	OF				
0001D28	0000000 0000000			1479+	DROP	R5	0000000000001474000475	V1 1		
0001D28	00000000 00000000 0000014 7483647E			1480	DC	YT10, 00000000000000	00000000002147483647F'	V1 result		
0001D30	00000214 7483647F			1/121	DC	ED! 91/7/096/7!		D9 course		
0001D38	00000000 7FFFFFF			1481 1482	DC	FD' 2147483647'		R2 source		
				1482 1483	VDD V	VCVD, 159, 11, 0		TNT MIN		
				1483 1484+	VKK_K DS	OFD		I NT_MI N		
0001040				1404+						
0001D40		00001D40		1/85	IICT NC	* D5	has for tost data and	tost poutin	•	
0001D40	00001D5C	00001D40		1485+ 1486+T35	USI NG DC	*, R5 A(X35)	base for test data and address of test routin		e	

ASMA Ver.	0. 7. 0 zvector-e6-1	3-convertte	odeci mal	(Zvector E6 VR	RI-i)		02 Jun 202	4 16: 00: 20	Page	33
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00001D44 00001D46	0023			1487+ 1488+	DC DC	H' 35' XL1' 00'	test number			
00001D46 00001D47	00 9F			1488+ 1489+	DC DC	HL1' 159'	i 3			
00001D47	OB			1490+	DC	HL1' 11'	m4			
00001D49	00			1491+	DC	HL1' 0'	CC			
00001D4A	07			1492+	DC	HL1' 7'	cc failed mask			
00001D4B	E5C3E5C4 40404040			1493+	DC	CL8' VCVD'	instruction name			
00001D54	00000010			1494+	DC	A(16)	result length			
00001D58	00001D80			1495+REA35	DC	A(RE35)	result address	DOUTINE		
00001D5C				1496+* 1497+X35	DS	0F	INSTRUCTION UNDER TEST	RUUIINE		
00001D5C	E710 8F40 0006		00001140	1498+	VL VL	V1, V1FUDGE	pollute V1			
00001D62	E320 5050 0004		00001D90	1499+	İĞ	R2, RE35+16	get R2 source			
00001D68	E612 00B9 F058			1500+		V1, R2, 159, 11	test instruction			
00001D6E	E710 8F08 000E		00001108	1501+	<b>VST</b>	V1, V10UTPUT	save			
00001D74	B98D 0020		00001071	1502+	<b>EPSW</b>	R2, R0	exptract psw			
00001D78	5020 8EE4		000010E4	1503+	ST	R2, CCPSW	to save CC			
00001D7C 00001D80	07FB			1504+ 1505+RE35	BR DC	R11 0F	return			
00001D80				1505+kE35 1506+	DROP	R5				
00001D80	00000000 00000000			1507	DC		00000000002147483648F'	V1 result		
00001D88	00000214 7483648F			100.	20	11210 0000000000	700000000000000000000000000000000000000	vi iosuic		
00001D90	<b>FFFFFFF 8000000</b>			1508	DC	FD' - 2147483648'		R2 source		
				1509						
				1510 * VCVD 1511 *		m4= 11 ( LB=1, 1 i 3= 137 ( IOM=1,				
00001D98				1512 1513 1514+	VRR_K DS	VCVD, 137, 11, 0 OFD				
00001D38		00001D98		1515+	USING		base for test data and	test routin	1e	
00001D98	00001DB4			1516+T36	DC	A(X36)	address of test routing	е		
00001D9C	0024			1517+	DC	Н' 36'	test number			
00001D9E				1518+	DC	XL1' 00'	• •			
				1519+	DC	HL1' 137'	i 3			
00001DA0 00001DA1	0B 00			1520+ 1521+	DC DC	HL1' 11' HL1' 0'	m4 cc			
00001DA1	07			1521+ 1522+	DC DC	HL1'7'	cc failed mask			
00001DA3	E5C3E5C4 40404040			1523+	DC	CL8' VCVD'	instruction name			
00001DAC	00000010			1524+	DC	A(16)	result length			
00001DB0	00001DD8			1525+REA36	DC	A(RE36)	result address			
00004554				1526+*	DC	OΓ	INSTRUCTION UNDER TEST	ROUTINE		
00001DB4	E710 9E40 0000		00001140	1527+X36	DS VI	OF	nolluto V1			
00001DB4 00001DBA	E710 8F40 0006 E320 5050 0004		00001140 00001DE8	1528+ 1529+	VL 1 G	V1, V1FUDGE R2, RE36+16	pollute V1 get R2 source			
00001DBA	E612 00B8 9058		OUGUIDEO	1529+ 1530+		V1, R2, 137, 11	test instruction			
00001DC6	E710 8F08 000E		00001108	1531+	VST	V1, N2, 137, 11 V1, V10UTPUT	save			
00001DCC	B98D 0020			1532+		R2, R0	exptract psw			
00001DD0	5020 8EE4		000010E4	1533+	ST	R2, CCPSW	to save CC			
00001DD4	07FB			1534+	BR	R11	return			
00001DD8				1535+RE36	DC	0F				
00001DD8 00001DD8	0000000 00000000			1536+ 1537	DROP	R5	00000000000000000000000F'	V1 magnit		
00001DE0	0000000 0000000F			1537	DC	VETO OOOOOOOOOOOO	JUUUUUUUUUUUUUUUUT	V1 result		
00001DE0	0000000 0000001			1538	DC	FD' 0'		R2 source		
3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				1539						
				1540	VRR_K	VCVD, 137, 11, 0				

0BJECT CO 0001E0C 0025 00 9 08 00 07 05C3E5C4 404 0000010		ADDR1 00001DF0	ADDR2	STMT  1541+ 1542+ 1543+T37 1544+ 1545+ 1546+ 1547+ 1548+	DS USING DC DC DC DC DC	OFD *, R5 A(X37) H' 37' XL1' 00' HL1' 137'	base for test data and address of test routing test number		ne
025 0 9 B 0 7 5C3E5C4 404	104040	00001DF0		1542+ 1543+T37 1544+ 1545+ 1546+ 1547+	USING DC DC DC DC	*, R5 A(X37) H' 37' XL1' 00'	address of test routing test number		ne
025 0 9 B 0 7 5C3E5C4 404	104040	00001DF0		1543+T37 1544+ 1545+ 1546+ 1547+	DC DC DC DC	A(X37) H' 37' XL1' 00'	address of test routing test number		ne
025 0 9 B 0 7 5C3E5C4 404	104040			1544+ 1545+ 1546+ 1547+	DC DC DC	H' 37' XL1' 00'	test number	e	
0 9 B 0 7 5C3E5C4 404 0000010	104040			1545+ 1546+ 1547+	DC DC	XL1' 00'			
9 0B 00 7 5C3E5C4 404 0000010	104040			1546+ 1547+	DC				
B 0 17 55C3E5C4 404 0000010	104040			1547+		HI 1' 197'			
0  7  5C3E5C4 404  0000010	104040			1547+		шы тол	i3		
0  7  5C3E5C4 404  0000010	104040				T/U	HL1' 11'	m4		
7 5C3E5C4 404 0000010	104040				DC	HL1' 0'	cc		
5C3E5C4 404 0000010	104040			1549+	DC	HL1' 7'	cc failed mask		
0000010				1550+	DC	CL8' VCVD'	instruction name		
				1551+	DC	A(16)	result length		
0001200				1552+REA37	DC	A(RE37)	result address		
				1553+*	ЪС	n(NEO7)	INSTRUCTION UNDER TEST	ROUTINE	
				1554+X37	DS	<b>0F</b>	INSTRUCTION UNDER TEST	ROUTTNE	
710 8F40 00	NA		00001140	1555+	VL	V1, V1FUDGE	pollute V1		
320 5050 00			00001140 00001E40	1556+	ÌĠ	R2, RE37+16	get R2 source		
			00001E40						
			00001100						
	UE		00001108			VI, VIUUIPUI			
			000010E4		EPSW	RZ, KU			
			000010E4						
7FB							return		
				1564	DC	XL16' 0000000000	000000000000000000001F'	V1 result	
0000000 000	00001				DC	FD' 1'		R2 source	
				1567	VRR_K	VCVD, 137, 11, 3		UI NT_MAX	
				1568+	DS	OFD			
		00001E48		1569+	USING	*, <b>R</b> 5	base for test data and	test routin	ne
0001E64				1570+T38			address of test routing	e	
026									
0									
9							i3		
B									
	104040								
	UTUTU								
OUUTEOO					DC	A(RESO)		DAIJTT NE	
					DC	ΛE	INSTRUCTION UNDER IEST	MUUIINE	
710 OF40 00	006		00001140				malluta V1		
			00001E98						
			00004400						
	JUE		00001108						
					EPSW	R2, R0			
020 <b>8EE4</b>			000010E4						
7 <b>FB</b>				1588+	BR	R11	return		
				1589+RE38	DC	0F			
				1590+	DROP	R5			
0000000 000	00000						0000000000000294967295F'	V1 result	
				1592	DC	FD' - 1'		R2 source	
IIIIIII III	IIII				БС	ID I		Na Source	
					VDD W	VCVD 127 11 2		TAT MAV	
	612 00B8 90 710 8F08 00 98D 0020 020 8EE4 7FB  0000000 000 0000000 000 00001E64 026 0 9 B 3 E 5C3E5C4 404 000010 0001E88  710 8F40 00 320 5050 00 612 00B8 90 710 8F08 00 98D 0020 020 8EE4 7FB	612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4 7FB  0000000 00000001F 0000000 0000001  0001E64 026 0 9 B 3 E 5C3E5C4 40404040 000010 0001E88  710 8F40 0006 320 5050 0004 612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4	612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4 7FB  0000000 00000001 0000000 00000001  00001E64 026 0 9 B 3 E 5C3E5C4 40404040 00001E88  710 8F40 0006 320 5050 0004 612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4 7FB  0000000 0000000 0000029 4967295F	612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4 0000000 00000000 0000000 00000001 00001E64 026 0 9 B 3 E 5C3E5C4 40404040 00001E88  710 8F40 0006 320 5050 0004 612 00B8 9058 710 8F08 000E 98D 0020 020 8EE4 00001004 00001108	157+   1557+   1558+   1558+   1558+   1560+   1561+   1562+RE37   1563+   1563+   1566   1567+   1566   1567+   1568+   1568+   1568+   1568+   1568+   1568+   1568+   1568+   1570+T38   1571+   1572+   1572+   1572+   1573+   1573+   1575+   1575+   1576+	612 00B8 9058	1557+   VCVD   V1, R2, 137, 11	1557+   VCV  V , R2, 137, 11   Test instruction   1558+   VST  V , VIOTPUT   Save   1559+   EPSW  R2, R0   Exptract psw   1559+   EPSW  R2, R0   Exptract psw   1560+   ST  R2, CCPSW    To save CC   Teturn   1561+   BR   R1   Teturn   1563+   BRO   R5   R5   R5   R5   R5   R5   R5	1577

ASMA Ver.	0. 7. 0 zv	ector- e6- 13	- convertto	odeci mal	(Zvector E6	VRI - i)		02 Jun 2024	1 16: 00: 20	Page	37
LOC	OBJECT	CODE	ADDR1	ADDR2	STMT						
00001FCA 00001FD0	E710 8F40 E320 5050 E612 0019 E710 8F08	0004 F05A		00001140 00001FF8 00001108	1704+X42 1705+ 1706+ 1707+ 1708+	1 G	OF V1, V1FUDGE R2, RE42+16 V1, R2, 159, 1 V1, V1OUTPUT	pollute V1 get R2 source test instruction save			
00001FE0 00001FE4	B98D 0020 5020 8EE4 07FB			000010E4	1709+ 1710+ 1711+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
	00000000				1712+RE42 1713+ 1714	DC DROP DC	OF R5 XL16' 0000000000000	00000000000000001C'	V1 result		
	00000000				1715 1716		FD' 1'		R2 source		
00002000 00002000 00002000	0000201C		00002000		1717 1718+ 1719+ 1720+T43	VRR_K DS USING DC		base for test data and address of test routing		ne	
00002004 00002006	000201C 002B 00 9F				1720+143 1721+ 1722+ 1723+	DC	A(X43) H' 43' XL1' 00' HL1' 159'	test number	<del>z</del>		
00002008 00002009	91 01 00 07				1725+ 1724+ 1725+ 1726+	DC DC DC	HL1' 1' HL1' 0' HL1' 7'	m4 cc cc failed mask			
0000200B 00002014	E5C3E5C4 00000010 00002040	C7404040			1720+ 1727+ 1728+ 1729+REA43	DC DC DC	CL8' VCVDG' A(16) A(RE43)	instruction name result length result address			
0000201C	E710 8F40	0006		00001140	1730+* 1731+X43 1732+	DS	OF V1, V1FUDGE	INSTRUCTION UNDER TEST	ROUTINE		
00002022 00002028	E320 5050 E612 0019	0004 F05A		00002050	1733+ 1734+	1 G VCVDG	R2, RE43+16 V1, R2, 159, 1	pollute V1 get R2 source test instruction			
00002034 00002038	E710 8F08 B98D 0020 5020 8EE4			00001108 000010E4	1735+ 1736+ 1737+ 1738+	EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
00002040 00002040	07FB	0000000			1739+RE43 1740+		R11 0F R5	return	W1		
00002048	00000000 00000000 FFFFFFF	000001D			1741 1742	DC DC	FD' - 1'	00000000000000001D'	V1 result R2 source		
00002058					1743 1744 1745+	DS	VCVDG, 159, 1, 0 OFD		INT_MAX		
0000205C	00002074 002C		00002058		1746+ 1747+T44 1748+	USI NG DC DC	A(X44) H' 44'	base for test data and address of test routing test number		ne	
0000205F 00002060	00 9F 01				1749+ 1750+ 1751+	DC DC	XL1' 00' HL1' 159' HL1' 1'	i 3 m4			
00002062 00002063	00 07 E5C3E5C4	C7404040			1752+ 1753+ 1754+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
	00000010 00002098				1755+ 1756+REA44 1757+*	DC DC	A(16) A(RE44)	result length result address INSTRUCTION UNDER TEST	ROUTINE		

ASMA Ver.	0. 7. 0 zve	ector- e6- 13	B- convertto	odeci mal	(Zvector E6	VRI - i)		02 Jun 202	4 16: 00: 20	Page	38
LOC	OBJECT	CODE	ADDR1	ADDR2	STMI						
0000207A 00002080 00002086 0000208C	E710 8F40 E320 5050 E612 0019 E710 8F08 B98D 0020	0004 F05A		00001140 000020A8 00001108	1758+X44 1759+ 1760+ 1761+ 1762+ 1763+	VST EPSW	OF V1, V1FUDGE R2, RE44+16 V1, R2, 159, 1 V1, V1OUTPUT R2, R0	pollute V1 get R2 source test instruction save exptract psw			
00002090 00002094	5020 8EE4 07FB			000010E4	1764+ 1765+	ST BR	R2, CCPSW R11	to save CC return			
00002098 00002098 00002098 000020A0	00000000 00000214	7483647C			1766+RE44 1767+ 1768	DC DROP DC		00000000002147483647C'	V1 result		
000020A8	00000000	<b>7FFFFFF</b>			1769 1770	DC VDD V	FD' 2147483647'		R2 source		
000020B0 000020B0			000020B0		1771 1772+ 1773+	VRR_K DS USING	VCVDG, 159, 1, 0 OFD * R5	base for test data and	INT_MIN	16	
000020B0 000020B4 000020B6	000020CC 002D 00		000000DU		1774+T45 1775+ 1776+	DC DC	A(X45) H' 45' XL1' 00'	address of test routin			
000020B7 000020B8 000020B9	9F 01 00				1777+ 1778+ 1779+	DC DC DC	HL1' 159' HL1' 1' HL1' 0'	i3 m4 cc			
000020C4	07 E5C3E5C4 00000010	C <b>7404040</b>			1780+ 1781+ 1782+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
000020C8 000020CC	000020F0			00004440	1783+REA45 1784+* 1785+X45	DS	A(RE45) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
000020CC 000020D2 000020D8	E710 8F40 E320 5050 E612 0019	0004 F05A			1786+ 1787+ 1788+		V1, V1FUDGE R2, RE45+16 V1, R2, 159, 1	pollute V1 get R2 source test instruction			
000020E4 000020E8	E710 8F08 B98D 0020 5020 8EE4	OOOE		00001108 000010E4	1790+ 1791+	EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
000020EC 000020F0 000020F0	07FB				1792+ 1793+RE45 1794+		R11 OF R5	return			
000020F0 000020F8 00002100	00000000 00000214 FFFFFFF	7483648D			1795 1796	DC DC	XL16' 000000000000 FD' - 2147483648'	00000000002147483648D'	V1 result R2 source		
00002108					1797 1798 1799+	VRR_K DS	VCVDG, 159, 1, 0 OFD		LONG_MAX		
00002108 00002108 0000210C	00002124 002E		00002108		1800+ 1801+T46 1802+	USI NG DC DC	*, R5 A(X46) H' 46'	base for test data and address of test routine test number		ıe	
0000210F 00002110	00 9F 01				1803+ 1804+ 1805+ 1806+	DC DC	XL1' 00' HL1' 159' HL1' 1'	i 3 m4			
00002112 00002113	00 07 E5C3E5C4	C <b>7404040</b>			1807+ 1808+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
0000211C 00002120	00000010 00002148				1809+ 1810+REA46 1811+*	DC DC	A(16) A(RE46)	result length result address INSTRUCTION UNDER TEST	ROUTINE		

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 V	RI-i)		02 Jun 2024	1 16: 00: 20	Page	39
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
	E710 8F40 0006 E320 5050 0004		00001140 00002158	1812+X46 1813+ 1814+	DS VL 1 G	OF V1, V1FUDGE R2, RE46+16	pollute V1 get R2 source			
00002130 00002136	E612 0019 F05A E710 8F08 000E		00002100	1815+ 1816+	VCVDG VST	V1, R2, 159, 1 V1, V10UTPUT	test instruction save			
00002140 00002144	B98D 0020 5020 8EE4 07FB		000010E4	1817+ 1818+ 1819+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
	00000000 00009223			1820+RE46 1821+ 1822	DC DROP DC	OF R5 XL16' 0000000000000	9223372036854775807C'	V1 source		
	37203685 4775807C 7FFFFFF FFFFFFF			1823 1824	DC	XL08' 7FFFFFFFFFF	FFFF'	R1 result		
00002160 00002160		00002160		1825 1826+ 1827+	VRR_K DS USING	VCVDG, 159, 1, 0 OFD *, R5	base for test data and		ne	
00002160 00002164	0000217C 002F 00			1828+T47 1829+ 1830+	DC DC DC	A(X47) H' 47' XL1' 00'	address of test routing test number			
00002167 00002168	9F 01 00			1831+ 1832+ 1833+	DC DC DC	HL1' 159' HL1' 1' HL1' 0'	i3 m4 cc			
0000216A 0000216B	07 E5C3E5C4 C7404040 00000010			1834+ 1835+ 1836+		HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
	000021A0			1837+REA47 1838+* 1839+X47	DC DS	A(RE47) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
0000217C 00002182	E710 8F40 0006 E320 5050 0004 E612 0019 F05A		00001140 000021B0	1840+ 1841+ 1842+	VL 1 G	V1, V1FUDGE R2, RE47+16 V1, R2, 159, 1	pollute V1 get R2 source test instruction			
0000218E 00002194	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4		VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
	07FB		00001021	1846+ 1847+RE47 1848+	BR DC	R11 OF R5	return			
000021A0 000021A8	00000000 00009223 37203685 4775808D 80000000 00000000			1849 1850	DC DC		9223372036854775808D'	V1 source R1 result		
	0000000 00000000			1851 1852	VRR_K	VCVDG, 159, 1, 0	UUUU	ULONG_MAX		
000021BC	000021D4 0030	000021B8		1853+ 1854+ 1855+T48 1856+	DS USING DC DC	A(X48) H' 48'	base for test data and address of test routing test number		ne	
000021BE 000021BF 000021C0	9F 01			1857+ 1858+ 1859+	DC DC DC	XL1' 00' HL1' 159' HL1' 1'	i3 m4			
000021C2 000021C3	00 07 E5C3E5C4 C7404040			1860+ 1861+ 1862+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
	00000010 000021F8			1863+ 1864+REA48 1865+*	DC DC	A(16) A(RE48)	result length result address INSTRUCTION UNDER TEST	ROUTINE		

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 202	4 16: 00: 20	Page	40
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
000021DA 000021E0 000021E6	E710 8F40 0006 E320 5050 0004 E612 0019 F05A E710 8F08 000E B98D 0020 5020 8EE4		00001140 00002208 00001108 000010E4	1866+X48 1867+ 1868+ 1869+ 1870+ 1871+ 1872+	VST	OF V1, V1FUDGE R2, RE48+16 V1, R2, 159, 1 V1, V1OUTPUT R2, R0 R2, CCPSW	pollute V1 get R2 source test instruction save exptract psw to save CC			
000021F4 000021F8 000021F8 000021F8 00002200	07FB 00000000 00000000			1873+ 1874+RE48 1875+ 1876	BR DC DROP DC	R11 OF R5	return 000000000000000000000001D'	V1 source R1 result		
				1879 * VCVDG 1880 * 1881 1882	VDD K	m4= 1 ( LB=0, i 3= 137 ( IOM=1, VCVDG, 137, 1, 0				
00002210 00002210 00002210 00002214 00002216	0000222C 0031 00	00002210		1883+ 1884+ 1885+T49 1886+ 1887+	DS USING DC DC DC	OFD	base for test data and address of test routin test number		ıe	
00002217 00002218 00002219 0000221A	89 01 00 07			1888+ 1889+ 1890+ 1891+	DC DC DC DC	HL1' 137' HL1' 1' HL1' 0' HL1' 7'	i3 m4 cc cc failed mask			
0000221B 00002224 00002228	E5C3E5C4 C7404040 00000010 00002250			1892+ 1893+ 1894+REA49 1895+* 1896+X49	DC DC DC	CL8' VCVDG' A(16) A(RE49)	instruction name result length result address INSTRUCTION UNDER TEST	ROUTINE		
0000222C 00002232 00002238 0000223E	E710 8F40 0006 E320 5050 0004 E612 0018 905A E710 8F08 000E		00001140 00002260 00001108		VL 1 G VCVDG VST	V1, V1FUDGE R2, RE49+16 V1, R2, 137, 1 V1, V10UTPUT	pollute V1 get R2 source test instruction save			
00002244 00002248 0000224C 00002250 00002250	B98D 0020 5020 8EE4 07FB		000010E4	1901+ 1902+ 1903+ 1904+RE49 1905+	EPSW ST BR DC DROP	R2, R0 R2, CCPSW R11 OF R5	exptract psw to save CC return			
00002250 00002258 00002260	00000000 00000000 00000000 0000000C 00000000			1906 1907	DC DC		000000000000000000C'	V1 result R2 source		
00002268 00002268 00002268 0000226C 0000226E	00002284 0032 00	00002268		1908 1909 1910+ 1911+ 1912+T50 1913+ 1914+	VRR_K DS USING DC DC DC	A(X50) H' 50' XL1' 00'	base for test data and address of test routin test number		1 <b>e</b>	
0000226F 00002270	89 01			1915+ 1916+ 1917+ 1918+ 1919+	DC DC DC DC DC	HL1' 137' HL1' 1' HL1' 0' HL1' 7' CL8' VCVDG'	i3 m4 cc cc failed mask instruction name			

ASMA Ver.	0. 7. 0 zve	ector- e6- 13	- convertt	odeci mal	(Zvector E6 VR	(I-i)		02 Jun 2024	1 16: 00: 20	Page	41
LOC	OBJECT	CODE	ADDR1	ADDR2	STMI						
0000227C 00002280	00000010 000022A8				1920+ 1921+REA50 1922+*	DC DC	A(16) A(RE50)	result length result address INSTRUCTION UNDER TEST	DOUTI NE		
00002284 00002284 0000228A	E710 8F40 E320 5050			00001140 000022B8	1922+ 1923+X50 1924+ 1925+	DS VL 1 G	OF V1, V1FUDGE R2, RE50+16	pollute V1 get R2 source	ROUTINE		
00002290 00002296 0000229C	E612 0018 E710 8F08 B98D 0020			00001108	1926+ 1927+ 1928+	VCVDG VST	V1, R2, 137, 1 V1, V10UTPUT R2, R0	test instruction save exptract psw			
000022A0 000022A4	5020 8EE4 07FB			000010E4	1929+ 1930+	ST BR	R2, CCPSW R11	to save CC return			
000022A8 000022A8 000022A8	00000000 (				1931+RE50 1932+ 1933	DC DROP DC	OF R5 XL16' 00000000000000	0000000000000000001C'	V1 result		
000022B0 000022B8	00000000 (				1934 1935	DC	FD' 1'		R2 source		
000022C0 000022C0			000022C0		1936 1937+ 1938+	VRR_K DS USING	VCVDG, 137, 1, 0 OFD *, R5	base for test data and		ne	
000022C0 000022C4 000022C6	000022DC 0033 00				1939+T51 1940+ 1941+	DC DC DC	A(X51) H' 51' XL1' 00'	address of test routing test number			
000022C7 000022C8 000022C9	89 01 00				1942+ 1943+ 1944+	DC DC DC	HL1' 137' HL1' 1' HL1' 0'	i 3 m4 cc			
000022CA	07 E5C3E5C4 00000010	C <b>7404040</b>			1945+ 1946+ 1947+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
000022D8 000022DC	00002300				1948+REA51 1949+* 1950+X51	DC DS	A(RE51) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
000022DC	E710 8F40 E320 5050 E612 0018	0004		00001140 00002310	1951+	VL l G	V1, V1FUDGE R2, RE51+16 V1, R2, 137, 1	pollute V1 get R2 source test instruction			
000022EE 000022F4	E710 8F08 B98D 0020 5020 8EE4			00001108	1954+ 1955+	VST EPSW	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw			
000022F8 000022FC 00002300 00002300	07FB			000010E4	1956+ 1957+ 1958+RE51 1959+	ST BR DC DROP	R11 OF R5	to save CC return			
00002300 00002308	00000000 (	000001D			1960	DC		00000000000000001D'	V1 result		
	FFFFFFF I	PETEFFF			1961 1962 1963		VCVDG, 137, 1, 3		R2 source INT_MAX		
00002318 00002318 00002318 0000231C	00002334 0034		00002318		1964+ 1965+ 1966+T52 1967+	DS USING DC DC	OFD *, R5 A(X52) H' 52'	base for test data and address of test routing test number		ne	
0000231E 0000231F 00002320	00 89 01				1968+ 1969+ 1970+	DC DC DC	XL1' 00' HL1' 137' HL1' 1'	i 3 m4			
00002321 00002322 00002323	03 0E E5C3E5C4 (	C <b>7404040</b>			1971+ 1972+ 1973+	DC DC DC	HL1' 3' HL1' 14' CL8' VCVDG'	cc cc failed mask instruction name			

LOC         OBJECT CODE         ADDR1         ADDR2         STMT           0000232C         00000010         1974+         DC         A(16)         result length           00002330         00002358         1975+REA52         DC         A(RE52)         result address           1976+*         INSTRUCTION UNDER TEST ROUTE           1977+X52         DS         OF			
00002330 00002358			
00002334 1977+X52 DS 0F	MITT ME		
00002334 E710 8F40 0006 00001140 1978+ VL V1, V1FUDGE pollute V1	UIINE		
0000233A       E320       5050       0004       00002368       1979+       1G       R2, RE52+16       get R2 source         00002340       E612       0018       905A       1980+       VCVDG       V1, R2, 137, 1       test instruction			
00002346         E710         8F08         000E         00001108         1981+         VST         V1, V10UTPUT         save           0000234C         B98D         0020         1982+         EPSW         R2, R0         exptract psw           00002350         5020         8EE4         000010E4         1983+         ST         R2, CCPSW         to save CC			
00002354 07FB       1984+       BR R11       return         00002358       1985+RE52       DC 0F			
00002358	result		
00002368 00000000 7FFFFFF 1988 DC FD' 2147483647' R2 1989	source		
1990 VRR_K VCVDG, 137, 1, 3 II 00002370 1991+ DS OFD 00002370 00002370 1992+ USING *, R5 base for test data and test	NT_MIN est routiu	ne	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	SC Touch		
00002377 89 00002378 01 1996+ DC HL1' 137' i 3 m4			
00002379       03       1998+       DC       HL1'3'       cc         0000237A       0E       DC       HL1'14'       cc failed mask         0000237B       E5C3E5C4       C7404040       CCL8' VCVDG'       instruction name			
00002384       00000010       2001+       DC       A(16)       result length         00002388       000023B0       2002+REA53       DC       A(RE53)       result address	ATIME NE		
2003+* 0000238C 0000238C 0000238C E710 8F40 0006 00001140 00001140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140 0000140	UTINE		
00002392       E320       5050       0004       000023C0       2006+       1G       R2, RE53+16       get R2 source         00002398       E612       0018       905A       2007+       VCVDG       V1, R2, 137, 1       test instruction			
0000239E       E710       8F08       000E       00001108       2008+       VST       V1, V10UTPUT       save         000023A4       B98D       0020       2009+       EPSW       R2, R0       exptract psw         000023A8       5020       8EE4       000010E4       2010+       ST       R2, CCPSW       to save CC			
000023AC       07FB         000023BO       2012+RE53       DC       0F         000023BO       2013+       DROP       R5			
000023B0 00000000 00000000 2014 DC XL16' 000000000000000000147483648D' V1 000023B8 00000014 7483648D	result		
000023C0 FFFFFFF 80000000 2015 DC FD' - 2147483648' 2016 2017 VRR_K VCVDG, 137, 1, 3 L0	NG_MAX		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<del>_</del>	ne	
000023CE 00			
000023D0 01			

ASMA Ver.	0. 7. 0 zve	ector- e6- 13	- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	16: 00: 20	Page	43
LOC	OBJECT	CODE	ADDR1	ADDR2	STMI						
000023DC 000023E0	00000010 00002408				2028+ 2029+REA54 2030+*	DC DC	A(16) A(RE54)	result length result address INSTRUCTION UNDER TEST	DOUTI NE		
000023E4 000023E4 000023EA	E710 8F40 E320 5050			00001140 00002418	2030+** 2031+X54 2032+ 2033+	DS VL 1 G	OF V1, V1FUDGE R2, RE54+16	pollute V1 get R2 source	ROUTINE		
000023F0 000023F6 000023FC	E612 0018 E710 8F08 B98D 0020	905A		00002110	2034+ 2035+ 2036+	VCVDG VST	V1, R2, 137, 1 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00002400 00002404 00002408	5020 8EE4 07FB			000010E4	2037+ 2038+ 2039+RE54	ST BR DC	R2, CCPSW R11 OF	to save CC return			
00002408 00002408 00002410	00000000 0 00000085 4				2040+ 2041	DROP DC	<b>R5</b>	0000000000854775807C'	V1 source		
00002418	7FFFFFF 1				2042 2043 2044	DC VRR K	XL08' 7FFFFFFFFFFF VCVDG, 137, 1, 3	FFFF'	R1 result LONG_MIN		
00002420 00002420 00002420	0000243C		00002420		2045+ 2046+ 2047+T55	DS USING DC	0FD *, R5	base for test data and address of test routing	test routi	ne	
00002424 00002426	0037 00				2048+ 2049+	DC DC	A(X55) H' 55' XL1' 00'	test number	=		
00002427 00002428 00002429	89 01 03				2050+ 2051+ 2052+	DC DC DC	HL1' 137' HL1' 1' HL1' 3'	i 3 m4 cc			
00002434	0E E5C3E5C4 00000010	C <b>7404040</b>			2053+ 2054+ 2055+	DC DC DC	HL1' 14' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
00002438 0000243C	00002460				2056+REA55 2057+* 2058+X55	DC DS	A(RE55) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
	E710 8F40 E320 5050 E612 0018	0004		00001140 00002470	2059+ 2060+ 2061+	VL 1 G VCVDG	V1, V1FUDGE R2, RE55+16 V1, R2, 137, 1	pollute V1 get R2 source test instruction			
0000244E 00002454 00002458	E710 8F08 B98D 0020 5020 8EE4	000E		00001108 000010E4	2062+ 2063+ 2064+	VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
0000245C 00002460 00002460	07FB				2065+ 2066+RE55 2067+	BR DC DROP	R11 OF R5	return			
00002460 00002468	00000000 0 00000085 4 80000000 0	4775808D			2068 2069	DC DC		0000000000854775808D' 0000'	V1 source R1 result		
00002478					2070 2071 2072+		VCVDG, 137, 1, 0 OFD		ULONG_MAX		
00002478 00002478 0000247C	00002494 0038		00002478		2073+ 2074+T56 2075+	USI NG DC DC	*, R5 A(X56) H' 56'	base for test data and address of test routing test number		ne	
0000247E 0000247F 00002480	00 89 01				2076+ 2077+ 2078+	DC DC DC	XL1' 00' HL1' 137' HL1' 1'	i 3 m4			
00002481 00002482	00 07 E5C3E5C4	C <b>7404040</b>			2079+ 2080+ 2081+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			

ASMA Ver.	0. 7. 0 zvector-e6-1	3- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 202	4 16: 00: 20	Page	44
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
0000248C 00002490	00000010 000024B8			2082+ 2083+REA56 2084+*	DC DC	A(16) A(RE56)	result length result address INSTRUCTION UNDER TEST	DOUTINE		
00002494 00002494	E710 8F40 0006		00001140	2085+X56 2086+	DS VL	OF V1, V1FUDGE	pollute V1	ROUTINE		
0000249A 000024A0 000024A6	E320 5050 0004 E612 0018 905A E710 8F08 000E		000024C8 00001108	2087+ 2088+ 2089+	1 G VCVDG VST	R2, RE56+16 V1, R2, 137, 1 V1, V10UTPUT	get R2 source test instruction save			
000024AC 000024B0	B98D 0020 5020 8EE4		00001103 000010E4	2090+ 2091+	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC			
000024B4 000024B8 000024B8	07FB			2092+ 2093+RE56 2094+	BR DC DROP	R11 OF R5	return			
000024B8 000024C0	0000000 00000000 0000000 0000001D			2095	DC	XL16' 00000000000	0000000000000000001D'	V1 source		
000024C8	FFFFFFFF FFFFFFFF			2096 2097 2098 *	DC	XL08' FFFFFFFFFF	+++++ 	R1 result		
				2099 * VCVDG 2100 *		m4 = 3 ( LB=0, i 3= 159 ( I 0M=1,				
000024D0				2101 2102 2103+	VRR_K DS	VCVDG, 159, 3, 0 OFD				
000024D0 000024D0 000024D4	000024EC 0039	000024D0		2104+ 2105+T57 2106+	USING DC DC	*, R5 A(X57) H' 57'	base for test data and address of test routing test number		ne	
000024D6 000024D7 000024D8	00 9F 03			2107+ 2108+ 2109+	DC DC DC	XL1' 00' HL1' 159' HL1' 3'	i 3 m4			
000024D9 000024DA 000024DB	00 07 E5C3E5C4 C7404040			2110+ 2111+ 2112+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
00024E4	00000010 00002510			2113+ 2114+REA57 2115+*	DC DC	A(16) A(RE57)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
000024EC 000024EC 000024F2	E710 8F40 0006 E320 5050 0004		00001140 00002520	2116+X57 2117+	DS VL 1 G	OF V1, V1FUDGE R2, RE57+16	pollute V1 get R2 source			
000024F8 000024FE 00002504	E612 0039 F05A E710 8F08 000E		00001108	2119+ 2120+	VCVDG VST	V1, R2, 159, 3 V1, V10UTPUT R2, R0	test instruction save			
0002504 00002508 0000250C	B98D 0020 5020 8EE4 07FB		000010E4	2121+ 2122+ 2123+ 2124+RE57	ST BR DC	R2, CCPSW R11 OF	exptract psw to save CC return			
0002510 00002510 00002510	0000000 0000000 0000000 000000F			2125+ 2126	DROP DC	<b>R5</b>	0000000000000000000000F'	V1 result		
0002518	00000000 000000000000000000000000000000			2127 2128	DC	FD' 0'		R2 source		
00002528		00002528		2129 2130+ 2131+	DS USI NG		base for test data and		ne	
00002528 0000252C 0000252E	00002544 003A 00			2132+T58 2133+ 2134+	DC DC DC	A(X58) H' 58' XL1' 00'	address of test routin	ie		
000252F				2135+	DC	HL1' 159'	i 3			

ASMA Ver.	0. 7. 0 zvector-e6-1	3-convertt	odeci mal	(Zvector E6 VR	RI-i)		02 Jun 202	4 16: 00: 20	Page	45
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
00002530 00002531	03 00			2136+ 2137+	DC DC	HL1'3' HL1'0'	m4 cc			
00002532 00002533 0000253C	07 E5C3E5C4 C7404040 00000010			2138+ 2139+ 2140+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
0002540	00002568			2141+REA58 2142+*	DC	A(RE58)	result address INSTRUCTION UNDER TEST	ROUTINE		
0002544	E710 8F40 0006		00001140	2143+X58 2144+	DS VL	OF V1, V1FUDGE	pollute V1			
000254A 0002550 0002556	E320 5050 0004 E612 0039 F05A E710 8F08 000E		00002578 00001108	2145+ 2146+ 2147+	1 G VCVDG VST	R2, RE58+16 V1, R2, 159, 3 V1, V10UTPUT	get R2 source test instruction save			
000255C 0002560	B98D 0020 5020 8EE4		000010E4	2148+ 2149+	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC			
00002564 00002568 00002568	07FB			2150+ 2151+RE58 2152+	BR DC DROP	R11 OF R5	return			
0002568 0002570	00000000 00000000 0000000 0000001F			2153	DC	XL16' 000000000000	000000000000000001F'	V1 result		
00002578	00000000 00000001			2154 2155 2156	DC VPR K	FD' 1' VCVDG, 159, 3, 0		R2 source		
0002580		00000700		2157+	DS	OFD				
0002580 0002580 0002584	0000259C 003B	00002580		2158+ 2159+T59 2160+	USI NG DC DC	*, R5 A(X59) H' 59'	base for test data and address of test routing test number		ne	
0002586 0002587 0002588	00 9F 03			2161+ 2162+ 2163+	DC DC DC	XL1' 00' HL1' 159' HL1' 3'	i 3 m4			
0002589 000258A	00 07			2164+ 2165+	DC DC	HL1' 0' HL1' 7'	cc cc failed mask			
000258B 0002594 0002598	E5C3E5C4 C7404040 00000010 000025C0			2166+ 2167+ 2168+REA59 2169+*	DC DC DC	CL8' VCVDG' A(16) A(RE59)	instruction name result length result address INSTRUCTION UNDER TEST	ROUTINE		
000259C 000259C 00025A2	E710 8F40 0006 E320 5050 0004		00001140 000025D0	2170+X59 2171+ 2172+	DS VL 1 G	OF V1, V1FUDGE R2, RE59+16	pollute V1 get R2 source	Notine		
00025A8 00025AE	E612 0039 F05A E710 8F08 000E		00002320	2173+ 2174+	VCVDG VST	V1, R2, 159, 3 V1, V10UTPUT	test instruction save			
00025B4 00025B8 00025BC 00025C0	B98D 0020 5020 8EE4 07FB		000010E4	2175+ 2176+ 2177+ 2178+RE59	ST BR DC	R2, R0 R2, CCPSW R11 OF	exptract psw to save CC return			
00025C0 00025C0 00025C8	0000000 00000000 0000000 0000001F			2179+ 2180	DROP DC	<b>R</b> 5	000000000000000001F'	V1 result		
00025D0				2181 2182	DC	FD' - 1'		R2 source		
00025D8 00025D8		000025D8		2183 2184+ 2185+	DS USI NG		base for test data and		ne	
00025D8 00025DC 00025DE	000025F4 003C 00			2186+T60 2187+ 2188+	DC DC DC	A(X60) H' 60' XL1' 00'	address of test routin	e		
00025DF				2189+	DC	HL1' 159'	i 3			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 V	RI-i)		02 Jun 202	4 16: 00: 20	Page	46
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
000025E0 000025E1	00			2190+ 2191+	DC DC	HL1'3' HL1'0'	m4 cc			
000025E2 000025E3 000025EC	07 E5C3E5C4 C7404040 00000010			2192+ 2193+ 2194+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
000025F0 000025F4	00002618			2195+REA60 2196+* 2197+X60	DC DS	A(RE60) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
000025F4 000025FA 00002600	E710 8F40 0006 E320 5050 0004 E612 0039 F05A		00001140 00002628	2198+ 2199+ 2200+	VL 1 G VCVDG	V1, V1FUDGE R2, RE60+16 V1, R2, 159, 3	pollute V1 get R2 source test instruction			
00002606 0000260C 00002610	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	2201+ 2202+ 2203+	VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
00002614 00002618	07FB		00001014	2204+ 2205+RE60	BR DC	R11 OF	return			
00002618 00002618 00002620	00000000 00000000 00000214 7483647F			2206+ 2207	DROP DC		00000000002147483647F'	V1 result		
00002628	00000000 7FFFFFF			2208 2209 2210	DC VRR K	FD' 2147483647' VCVDG, 159, 3, 0		R2 source INT_MIN		
00002630 00002630		00002630		2211+ 2212+	DS USING	OFD	base for test data and		10	
00002630 00002634	0000264C 003D	00002030		2213+T61 2214+	DC DC	A(X61) H' 61'	address of test routin test number		le	
00002636 00002637 00002638	00 9F 03			2215+ 2216+ 2217+	DC DC DC	XL1' 00' HL1' 159' HL1' 3'	i 3 m4			
00002639 0000263A 0000263B	00 07 E5C3E5C4 C7404040			2218+ 2219+ 2220+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
00002644 00002648				2221+ 2222+REA61 2223+*	DC DC	A(16) A(RE61)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
0000264C 0000264C 00002652	E710 8F40 0006 E320 5050 0004		00001140 00002680	2224+X61 2225+ 2226+	DS VL 1 G	OF V1, V1FUDGE R2, RE61+16	pollute V1 get R2 source			
00002658 0000265E 00002664	E612 0039 F05A E710 8F08 000E B98D 0020		00001108	2227+ 2228+ 2229+	VST	V1, R2, 159, 3 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00002668 0000266C 00002670	5020 8EE4 07FB		000010E4	2230+ 2231+ 2232+RE61	ST BR DC	R2, CCPSW R11 OF	to save CC return			
00002670 00002670 00002678	0000000 0000000 00000214 7483648F			2233+ 2234	DROP DC	R5	00000000002147483648F'	V1 result		
00002680	FFFFFFF 80000000			2235 2236 2237	DC VPP K	FD' - 2147483648' VCVDG, 159, 3, 0		R2 source LONG_MAX		
00002688 00002688 00002688	00002614	00002688		2238+ 2239+ 2240+T62	DS USI NG	OFD *, <b>R</b> 5	base for test data and	test routin	ıe	
0000268C 0000268E	000026A4 003E 00 9F			2240+162 2241+ 2242+ 2243+	DC DC DC DC	A(X62) H' 62' XL1' 00' HL1' 159'	address of test routin test number	e		
0000W00I	<del>~-</del>			AW 10 1	20	1221 100	- •			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3- convertt	odeci mal	(Zvector E6 VR	RI-i)		02 Jun 202	<b>4 16: 00: 20</b>	Page 4	7
LOC	OBJECT CODE	ADDR1	ADDR2	STMF						
00002690 00002691	03 00			2244+ 2245+	DC DC	HL1' 3' HL1' 0'	m4 cc			
00002692 00002693 0000269C	07 E5C3E5C4 C7404040 00000010			2246+ 2247+ 2248+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
000026A0 000026A4	000026C8			2249+REA62 2250+* 2251+X62	DC DS	A(RE62) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
000026A4 000026AA 000026B0	E710 8F40 0006 E320 5050 0004 E612 0039 F05A		00001140 000026D8	2252+ 2253+ 2254+	VL 1 G VCVDG	V1, V1FUDGE R2, RE62+16 V1, R2, 159, 3	pollute V1 get R2 source test instruction			
000026B6 000026BC 000026C0	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	2255+ 2256+ 2257+	VST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
000026C4 000026C8 000026C8	07FB		JUULUII	2258+ 2259+RE62 2260+	BR DC DROP	R11 OF R5	return			
000026C8 000026D0	00000000 00009223 37203685 4775807F			2261	DC	XL16' 0000000000000	9223372036854775807F'	V1 source		
000026D8	7FFFFFFF FFFFFFFF			2262 2263 2264		XL08' 7FFFFFFFFF VCVDG, 159, 3, 0	rrr'	R1 result LONG_MIN		
000026E0 000026E0 000026E0 000026E4	000026FC 003F	000026E0		2265+ 2266+ 2267+T63 2268+	DS USING DC DC	0FD *, R5 A(X63) H' 63'	base for test data and address of test routing test number		е	
000026E6 000026E7 000026E8	00 9F 03			2269+ 2270+ 2271+	DC DC DC	XL1' 00' HL1' 159' HL1' 3'	i3			
000026E9 000026EA 000026EB	00 07 E5C3E5C4 C7404040			2272+ 2273+ 2274+	DC DC DC	HL1' 0' HL1' 7' CL8' VCVDG'	cc cc failed mask instruction name			
				2275+ 2276+REA63 2277+*	DC DC	A(16) A(RE63)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
000026FC 000026FC 00002702	E710 8F40 0006 E320 5050 0004		00001140 00002730	2278+X63 2279+ 2280+	DS VL 1 G	OF V1, V1FUDGE R2, RE63+16	pollute V1 get R2 source			
00002708 0000270E 00002714	E612 0039 F05A E710 8F08 000E B98D 0020		00001108	2281+ 2282+ 2283+	<b>VST</b>	V1, R2, 159, 3 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00002718 0000271C 00002720	5020 8EE4 07FB		000010E4	2284+ 2285+ 2286+RE63	ST BR DC	R2, CCPSW R11 OF	to save CC return			
00002720 00002720 00002728	00000000 00009223 37203685 4775808F			2287+ 2288	DROP DC	<b>R</b> 5	9223372036854775808F'	V1 source		
00002730	80000000 00000000			2289 2290 2291	DC VRR K	XL08' 80000000000 VCVDG, 159, 3, 0	0000'	R1 result ULONG MAX		
00002738 00002738 00002738	00002754	00002738		2292+ 2293+ 2294+T64	DS USING DC	OFD	base for test data and address of test routing	test routing	e	
0000273C	0040 00			2295+ 2296+ 2297+	DC DC DC	H' 64' XL1' 00' HL1' 159'	test number			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertte	odeci mal	(Zvector E6 VR	I-i)		02 Jun 202	4 16: 00: 20	Page	48
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
	00			2298+ 2299+	DC DC	HL1' 3' HL1' 0'	m4 cc			
	07 E5C3E5C4 C7404040 00000010			2300+ 2301+ 2302+	DC DC DC	HL1' 7' CL8' VCVDG' A(16)	cc failed mask instruction name result length			
00002750 00002754	00002778			2303+REA64 2304+* 2305+X64	DC DS	A(RE64) OF	result address INSTRUCTION UNDER TEST	ROUTINE		
00002754 0000275A	E710 8F40 0006 E320 5050 0004		00001140 00002788	2306+ 2307+	VL l G	V1, V1FUDGE R2, RE64+16	pollute V1 get R2 source			
00002766 0000276C	E612 0039 F05A E710 8F08 000E B98D 0020		00001108	2308+ 2309+ 2310+	VST EPSW	V1, R2, 159, 3 V1, V10UTPUT R2, R0	test instruction save exptract psw			
00002770 00002774 00002778	5020 8EE4 07FB		000010E4	2311+ 2312+ 2313+RE64	ST BR DC	R2, CCPSW R11 OF	to save CC return			
00002778 00002778 00002780	00000000 00000000 00000000 0000001F			2314+ 2315	DROP DC	<b>R</b> 5	000000000000000001F'	V1 source		
	FFFFFFF FFFFFFF			2316	DC	XL08' FFFFFFFFFF	FFFF'	R1 result		
				2317 2318 * VCVDG 2319 *		m4= 3 ( LB=0, i3= 137 ( IOM=1,	P1=1 , CS=1) RDC= 9)			
00002790				2320 2321 2322+	DS	VCVDG, 137, 3, 0 OFD				
00002790 00002790 00002794	000027AC 0041	00002790		2323+ 2324+T65 2325+	USING DC DC	*, R5 A(X65) H' 65'	base for test data and address of test routin test number		ne	
00002796 00002797	00 89 03			2326+ 2327+ 2328+	DC DC DC	XL1' 00' HL1' 137' HL1' 3'	i 3 m4			
00002799 0000279A	00 07			2329+ 2330+	DC DC	HL1' 0' HL1' 7'	cc cc failed mask			
000027A4	E5C3E5C4 C7404040 00000010 000027D0			2331+ 2332+ 2333+REA65 2334+*	DC DC DC	CL8' VCVDG' A(16) A(RE65)	instruction name result length result address INSTRUCTION UNDER TEST	DOUTINE		
000027AC 000027AC	E710 8F40 0006		00001140	2335+X65 2336+	DS VL	OF V1, V1FUDGE	pollute V1	ROUIINE		
000027B2 000027B8 000027BE	E320 5050 0004 E612 0038 905A E710 8F08 000E		000027E0 00001108	2337+ 2338+ 2339+	VST	R2, RE65+16 V1, R2, 137, 3 V1, V10UTPUT	get R2 source test instruction save			
000027C4 000027C8 000027CC	B98D 0020 5020 8EE4 07FB		000010E4	2340+ 2341+ 2342+	ST BR	R2, R0 R2, CCPSW R11	exptract psw to save CC return			
000027D0 000027D0 000027D0	00000000 00000000			2343+RE65 2344+ 2345	DC DROP DC	OF R5 XL16' 0000000000000	00000000000000000000000F'	V1 result		
000027D8 000027E0	00000000 0000000F 00000000 00000000			2346 2347	DC	FD' 0'		R2 source		
000027E8 000027E8		000027E8		2348 2349+ 2350+	VRR_K DS USING	VCVDG, 137, 3, 0 OFD *, R5	base for test data and	test routii	ne	
	00002804			2351+T66	DC	A(X66)	address of test routin			

				(Zvector E6 V	K1-1)		UZ Jun ZUZ	4 16: 00: 20	Page	49
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
000027EC	0042			2352+	DC	H' 66'	test number			
	00			2353+	DC	XL1' 00'	• 0			
	89			2354+	DC	HL1' 137'	i 3			
00027F0	03			2355+	DC	HL1'3'	m4			
00027F1	00			2356+	DC	HL1' 0'	cc			
00027F2	07			2357+	DC	HL1'7'	cc failed mask			
	E5C3E5C4 C7404040 00000010			2358+	DC	CL8' VCVDG'	instruction name			
	0000010			2359+ 2360+REA66	DC DC	A(16) A(RE66)	result length result address			
0002800	00002828			2361+*	DC	A(REOO)	INSTRUCTION UNDER TEST	DOUTINE		
0002804				2362+X66	DS	<b>0</b> F	INSTRUCTION UNDER TEST	ROUTINE		
0002804	E710 8F40 0006		00001140	2363+	VL	V1, V1FUDGE	pollute V1			
000280A	E320 5050 0004		00001140	2364+	ÌĠ	R2, RE66+16	get R2 source			
000280A 0002810	E612 0038 905A		00002030	2365+		V1, R2, 137, 3	test instruction			
0002816	E710 8F08 000E		00001108	2366+	VCVDG	V1, K2, 137, 3 V1, V10UTPUT	save			
000281C	B98D 0020		00001100	2367+		R2, R0	exptract psw			
0002810	5020 8EE4		000010E4	2368+	ST	R2, CCPSW	to save CC			
0002824	07FB		OOOOTOLT	2369+	BR	R11	return			
0002828	J. 12			2370+RE66	DC	OF	1 Juli II			
0002828				2371+	DROP	R5				
0002828	0000000 00000000			2372	DC		00000000000000001F'	V1 result		
0002830	00000000 0000001F			20.2	20	1210 0000000000	3333333333333333333	vi iosuic		
0002838	00000000 00000001			2373	DC	FD' 1'		R2 source		
				2374						
				2375	VRR K	VCVDG, 137, 3, 0				
0002840				2376+	DS _	OFD				
0002840		00002840		2377+	<b>USING</b>		base for test data and	test routin	$\mathbf{e}$	
0002840	0000285C			2378+T67	DC	A(X67)	address of test routing	a		
0002844	0043			2379+	DC	H' 67'	test number			
0002846	00			2380+	DC	XL1' 00'				
0002847	89			2381+	DC	HL1' 137'	<b>i</b> 3			
	03			2382+	DC	HL1' 3'	m4			
0002849	00			2383+	DC	HL1' 0'	cc			
	07			2384+	DC	HL1' 7'	cc failed mask			
	E5C3E5C4 C7404040			2385+	DC	CL8' VCVDG'	instruction name			
0002854	0000010			2386+	DC	A(16)	result length			
0002858	00002880			2387+REA67	DC	A(RE67)	result address			
00000==				2388+*	<b>T.</b> ~	22	INSTRUCTION UNDER TEST	ROUTINE		
000285C	E740 0E40 0000		00004446	2389+X67	DS	OF	11 . ***			
000285C	E710 8F40 0006		00001140	2390+	VL LC	V1, V1FUDGE	pollute V1			
0002862	E320 5050 0004		00002890	2391+	l G	R2, RE67+16	get R2 source			
0002868	E612 0038 905A		00001100	2392+		V1, R2, 137, 3	test instruction			
	E710 8F08 000E		00001108	2393+	VST	V1, V10UTPUT	save			
0002874	B98D 0020		00001054	2394+	EL2M	R2, R0	exptract psw			
0002878	5020 8EE4		000010E4	2395+	ST	R2, CCPSW	to save CC			
000287C	07FB			2396+ 2397+RE67	BR	R11 OF	return			
0002880				2397+RE67 2398+	DC DROP	R5				
0002880	0000000 00000000			2398+ 2399	DKOP DC		000000000000000001F'	V1 result		
0002888	0000000 0000000 00000000 0000001F			ผงขัช	DC	VIIO OOOOOOOOOOOOO	VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	vi resurt		
	FFFFFFF FFFFFFF			2400	DC	FD' - 1'		P2 course		
0002890	CCCCCCC CCCCCCC			2400 2401	שנ	LN - 1		R2 source		
				2401 2402	VDD V	VCVDG, 137, 3, 3		INT_MAX		
						V. VIJU. 197. 9. 9		- 13 - 1423 2		
าบบบอธีบอ										
00002898		00003808		2403+	DS	OFD	hasa for tast data and			
0002898	000028B4	00002898				OFD	base for test data and address of test routing	test routing	e	

ASMA Ver.	0. 7. 0 zvector-e6-1	3- convertt	odeci mal	(Zvector E6 VR	RI-i)		02 Jun 2024	4 16: 00: 20	Page	50
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
0000289C 0000289E	0044 00			2406+ 2407+	DC DC	H' 68' XL1' 00'	test number			
0000289F	89			2408+	DC	HL1' 137'	i 3			
000028A0 000028A1	03 03			2409+ 2410+	DC DC	HL1'3' HL1'3'	m4 cc			
000028A2	0E			2411+	DC	HL1' 14'	cc failed mask			
000028A3	E5C3E5C4 C7404040			2412+	DC	CL8' VCVDG'	instruction name			
000028AC 000028B0	00000010 000028D8			2413+ 2414+REA68	DC DC	A(16)	result length result address			
ООООДВВО	υυυυλομο			2414+ <b>READS</b> 2415+*	DC	A(RE68)	INSTRUCTION UNDER TEST	ROUTINE		
000028B4				2416+X68	DS	<b>0F</b>	INSTRUCTION CHEEN TEST	NOCITAL		
000028B4	E710 8F40 0006		00001140	2417+	VL	V1, V1FUDGE	pollute V1			
000028BA 000028C0	E320 5050 0004		000028E8	2418+	l G	R2, RE68+16	get R2 source test instruction			
00002800	E612 0038 905A E710 8F08 000E		00001108	2419+ 2420+	VCVDG	V1, R2, 137, 3 V1, V10UTPUT	save			
000028CC	B98D 0020			2421+	<b>EPSW</b>	R2, R0	exptract psw			
000028D0	5020 8EE4		000010E4	2422+	ST	R2, CCPSW	to save CC			
000028D4 000028D8	07FB			2423+ 2424+RE68	BR DC	R11 0F	return			
000028D8				2425+	DROP	R5				
000028D8	0000000 00000000			2426	DC		000000000147483647F'	V1 result		
000028E0	00000014 7483647F			0.407	D.C.	EDI 01 47 4000 471		DO.		
000028E8	00000000 7FFFFFF			2427 2428	DC	FD' 2147483647'		R2 source		
				2429	VRR K	VCVDG, 137, 3, 3		INT_MIN		
000028F0				2430+	DS	OFD				
000028F0	00009000	000028F0		2431+	USI NG		base for test data and		ıe	
000028F0 000028F4	0000290C 0045			2432+T69 2433+	DC DC	A(X69) H' 69'	address of test routing test number	e		
000028F6	00			2434+	DC	XL1' 00'	cese number			
000028F7	89			2435+	DC	HL1' 137'	i 3			
000028F8	03			2436+	DC	HL1'3'	m4			
000028F9 000028FA				2437+ 2438+	DC DC	HL1'3' HL1'14'	cc cc failed mask			
	E5C3E5C4 C7404040			2439+	DC	CL8' VCVDG'	instruction name			
00002904	00000010			2440+	DC	A(16)	result length			
00002908	00002930			2441+REA69 2442+*	DC	A(RE69)	result address INSTRUCTION UNDER TEST	DOUTI NE		
0000290C				2442+ X69	DS	0F	INSTRUCTION UNDER TEST	ROUTINE		
0000290C	E710 8F40 0006		00001140	2444+	VL	V1, V1FUDGE	pollute V1			
00002912	E320 5050 0004		00002940	2445+	l G	R2, RE69+16	get R2 source			
00002918 0000291E	E612 0038 905A E710 8F08 000E		00001108	2446+ 2447+	VCVDG VST	V1, R2, 137, 3 V1, V10UTPUT	test instruction save			
0000291E	B98D 0020		30001100	2448+		R2, R0	exptract psw			
00002928	5020 8EE4		000010E4	2449+	ST	R2, CCPSW	to save CC			
0000292C	07FB			2450+	BR	R11	return			
00002930 00002930				2451+RE69 2452+	DC DROP	OF R5				
00002930 00002938	00000000 00000000 00000014 7483648F			2453	DC		000000000147483648F'	V1 result		
00002940	FFFFFFF 80000000			2454 2455	DC	FD' - 2147483648'				
00000040				2456		VCVDG, 137, 3, 3		LONG_MAX		
00002948 00002948 00002948	00002964	00002948		2457+ 2458+ 2459+T70	DS USING DC	OFD *, R5 A(X70)	base for test data and address of test routing		ıe	
						•				

ASMA Ver.	0.7.0 zvector-e6-1	13- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	4 16: 00: 20 l	Page	51
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
0000294C	0046			2460+	DC	H' 70'	test number			
0000294E 0000294F	00 89			2461+ 2462+	DC DC	XL1' 00' HL1' 137'	i3			
0000294F	03			2463+	DC DC	HL1'3'	m4			
00002951	03			2464+	DC	HL1'3'	CC			
00002952	0E			2465+	DC	HL1' 14'	cc failed mask			
00002953	E5C3E5C4 C7404040			2466+	DC	CL8' VCVDG'	instruction name			
0000295C	00000010			2467+	DC	A(16)	result length			
00002960	00002988			2468+REA70	DC	A(RE70)	result address			
CCCCACCC	00002000			2469+*	20	11(1121 0)	INSTRUCTION UNDER TEST	ROUTINE		
00002964				2470+X70	DS	<b>OF</b>				
00002964	E710 8F40 0006		00001140	2471+	VL	V1, V1FUDGE	pollute V1			
0000296A	E320 5050 0004		00002998	2472+	1 G	R2, RE70+16	get R2 source			
00002970	E612 0038 905A			2473+		V1, R2, 137, 3	test instruction			
00002976	E710 8F08 000E		00001108	2474+	VST	V1, V10UTPUT	save			
0000297C	B98D 0020			2475+		R2, R0	exptract psw			
00002980	5020 8EE4		000010E4	2476+	ST	R2, CCPSW	to save CC			
00002984	07FB			2477+	BR	R11	return			
00002988				2478+RE70	DC	0F				
00002988				2479+	DROP	R5		***		
00002988	00000000 00000000			2480	DC	XL16' 00000000000000	0000000000854775807F'	V1 source		
00002990	00000085 4775807F			0.401	DC	VI 001 SEFEREEFEE		D4 14		
00002998	7FFFFFFF FFFFFFF			2481	DC	XL08' 7FFFFFFFFF	FFFF'	R1 result		
				2482 2483	VDD V	VCVDC 127 2 2		LONG MEN		
000029A0				2484+	VKK_K DS	VCVDG, 137, 3, 3 OFD		LONG_MIN		
000029A0		000029A0		2485+	USI NG		base for test data and	tost routing	`	
000029A0	000029BC	UUUULBAU		2486+T71	DC DC	A(X71)	address of test routing		=	
000029A0	000023BC 0047			2487+	DC	H' 71'	test number	5		
000029A4	00			2488+	DC	XL1' 00'	cese number			
000029A7	89			2489+	DC	HL1' 137'	i3			
000029A8	03			2490+	DC	HL1' 3'	m4			
000029A9				2491+	DC	HL1' 3'	CC			
000029AA				2492+	DC	HL1' 14'	cc failed mask			
000029AB	E5C3E5C4 C7404040			2493+	DC	CL8' VCVDG'	instruction name			
000029B4	0000010			2494+	DC	A(16)	result length			
000029B8	000029E0			2495+REA71	DC	A(RE71)	result address			
				2496+*			INSTRUCTION UNDER TEST	ROUTINE		
000029BC	T-10 0T10 0000		00001115	2497+X71	DS	OF	11			
000029BC	E710 8F40 0006		00001140	2498+	VL	V1, V1FUDGE	pollute V1			
000029C2	E320 5050 0004		000029F0	2499+	l G	R2, RE71+16	get R2 source			
000029C8	E612 0038 905A		00001100	2500+		V1, R2, 137, 3	test instruction			
000029CE	E710 8F08 000E		00001108	2501+ 2502+	VST	V1, V10UTPUT	save			
000029D4 000029D8	B98D 0020 5020 8EE4		000010E4	2502+ 2503+	ST EPSW	R2, R0 R2, CCPSW	exptract psw to save CC			
000029DC	O7FB		UUUUIUE4	2504+	BR	R2, CCPSW R11	return			
000029E0	O/TD			2505+RE71	DC DC	0F	I CCUI II			
000029E0				2506+	DROP	R5				
000029E0	0000000 00000000			2507	DC		0000000000854775808F'	V1 source		
000029E8	00000085 4775808F			÷ • •	_ •					
000029F0	8000000 00000000			2508	DC	XL08' 800000000000	0000'	R1 result		
				2509						
				2510		<b>VCVDG</b> , 137, 3, 0		ULONG_MAX		
000029F8				2511+	DS	OFD				
000029F8		000029F8		2512+	USING		base for test data and		9	
000029F8	00002A14			2513+T72	DC	A(X72)	address of test routing	e		

ASMA Ver.	0. 7. 0 zvector-e6-1	13-convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	4 16: 00: 20	Page	52
LOC	OBJECT CODE	ADDR1	ADDR2	STMT						
000029FC 000029FE	0048 00			2514+ 2515+	DC DC	H' 72' XL1' 00'	test number			
000029FF 00002A00	89 03			2516+ 2517+	DC DC	HL1' 137' HL1' 3'	i 3 m4			
00002A00	00			2518+	DC DC	HL1' 0'	CC			
00002A02	07			2519+	DC	HL1' 7'	cc failed mask			
00002A03 00002A0C	E5C3E5C4 C7404040 00000010			2520+ 2521+	DC DC	CL8' VCVDG' A(16)	instruction name result length			
00002A0C	0000010 00002A38			2522+REA72	DC	A(RE72)	result address			
00002A14				2523+* 2524+X72	DS	<b>0F</b>	INSTRUCTION UNDER TEST	ROUTINE		
00002A14	E710 8F40 0006		00001140	2525+	VL 1.C	V1, V1FUDGE	pollute V1			
00002A1A 00002A20	E320 5050 0004 E612 0038 905A		00002A48	2526+ 2527+	l G VCVDG	R2, RE72+16 V1, R2, 137, 3	get R2 source test instruction			
00002A26	E710 8F08 000E		00001108	2528+	<b>VST</b>	V1, V10UTPUT	save			
00002A2C	B98D 0020		00004074	2529+		R2, R0	exptract psw			
00002A30 00002A34	5020 8EE4 07FB		000010E4	2530+ 2531+	ST BR	R2, CCPSW R11	to save CC return			
00002A34 00002A38	OTTD			2532+RE72	DC	OF	i ccui ii			
00002A38				2533+	DROP	R5		***		
00002A38 00002A40	00000000 00000000 0000000 0000001F			2534	DC DC		000000000000000001F'	V1 source		
00002A48	FFFFFFF FFFFFFF			2535 2536	DC	XL08' FFFFFFFFFF	rrr'	R1 result		
				2537 *						
				2538 * VCVDG		m4 = 9 (LB=1,				
				2539 * 2540 2541	WDD K	i 3= 159 ( IOM=1,	RDC=31)			
00002A50				2542+	DS	OFD				
00002A50		00002A50		2543+	<b>USING</b>	*, <b>R</b> 5	base for test data and		1e	
00002A50	00002A6C			2544+T73	DC	A(X73)	address of test routine	e		
00002A54 00002A56				2545+ 2546+	DC DC	H' 73' XL1' 00'	test number			
00002A57	9F			2547+	DC	HL1' 159'	<b>i</b> 3			
00002A58	09			2548+	DC	HL1'9'	m4			
00002A59 00002A5A	00 07			2549+ 2550+	DC DC	HL1'0' HL1'7'	cc cc failed mask			
00002A5A	E5C3E5C4 C7404040			2551+	DC	CL8' VCVDG'	instruction name			
00002A64	0000010			2552+	DC	A(16)	result length			
00002A68	00002A90			2553+REA73	DC	A(RE73)	result address	DOUTINE		
00002A6C				2554+* 2555+X73	DS	<b>OF</b>	INSTRUCTION UNDER TEST	KUUIINE		
00002A6C	E710 8F40 0006		00001140	2556+	VL	V1, V1FUDGE	pollute V1			
00002A72	E320 5050 0004		00002AA0	2557+	l G	R2, RE73+16	get R2 source			
00002A78 00002A7E	E612 0099 F05A E710 8F08 000E		00001100	2558+ 2550+		V1, R2, 159, 9	test instruction			
00002A7E	B98D 0020		00001108	2559+ 2560+	VST EPSW	V1, V10UTPUT R2, R0	save exptract psw			
00002A88	5020 8EE4		000010E4	2561+	ST	R2, CCPSW	to save CC			
00002A8C	07FB			2562+	BR	R11	return			
00002A90 00002A90				2563+RE73 2564+	DC DROP	OF R5				
00002A90	00000000 00000000			2565	DC		000000000000000000C'	V1 result		
00002A98 00002AA0	00000000 0000000C 00000000 00000000			2566 2567	DC	FD' 0'		R2 source		
				2001						

TOO				(Zvector E6 VR	1 1)		02 Jun 2024	1 10.00.20 1480	:
LOC	OBJECT CODE	ADDR1	ADDR2	STMF					
0000110				2568		VCVDG, 159, 9, 0			
002AA8		00000440		2569+	DS	OFD * DF	hara Can tast data and	+++:	
002AA8	00000464	00002AA8		2570+	USING		base for test data and		
002AA8	00002AC4			2571+T74		A(X74)	address of test routine	2	
002AAC	004A			2572+		H' 74'	test number		
002AAE	00			2573+		XL1' 00'			
002AAF	9F			2574+		HL1' 159'	i 3		
002AB0	09			2575+		HL1' 9'	m4		
02AB1	00			2576+		HL1' 0'	cc		
02AB2	07			2577+	DC	HL1' 7'	cc failed mask		
02AB3	E5C3E5C4 C7404040			2578+	DC	CL8' VCVDG'	instruction name		
02ABC	0000010			2579+	DC	A(16)	result length		
02AC0	00002AE8			2580+REA74		A(RE74)	result address		
				2581+*		(	INSTRUCTION UNDER TEST	ROUTINE	
002AC4				2582+X74	DS	<b>OF</b>			
002AC4	E710 8F40 0006		00001140	2583+		V1, V1FUDGE	pollute V1		
002ACA	E320 5050 0004		00001140 00002AF8	2584+		R2, RE74+16	get R2 source		
02AD0	E612 0099 F05A		JUUWIII	2585+		V1, R2, 159, 9	test instruction		
002AD6	E710 8F08 000E		00001108	2586+		V1, V10UTPUT	save		
002ADC	B98D 0020		00001100	2587+	EPSW	P2 P0	exptract psw		
02AE0	5020 8EE4		000010E4	2588+	ST	R2, CCPSW	to save CC		
02AE4	07FB		00001014	2589+		R11			
	U/FB			2590+RE74		OF	return		
02AE8									
002AE8	00000000 00000000			2591+		R5	000000000000000000000000000000000000000	V1	
002AE8	00000000 00000000			2592	DC	YELLO OOOOOOOOOOO	000000000000000001C'	V1 result	
002AF0	00000000 0000001C			2502	DC	FD' 1'		DO GOVERNO	
)02AF8	00000000 00000001			2593 2594	DC	ги і		R2 source	
				2595	VDD K	VCVDG, 159, 9, 0		UI NT_MAX	
002B00				2596+		OFD		UINI_WAX	
02B00		00002B00		2597+	USI NG		base for test data and	tost moutine	
	00002B1C	00002000		2598+T75			address of test routine		
						A(X75)		5	
02B04				2599+		H' 75'	test number		
002B06	00			2600+ 2601+		XL1' 00'			
MADA				7601±	116		• 0		
	9F					HL1' 159'	i 3		
002B07 002B08	09			2602+	DC	HL1' 9'	m4		
002B08 002B09	09 00			2602+ 2603+	DC DC	HL1'9' HL1'0'	m4 cc		
002B08 002B09 002B0A	09 00 07			2602+ 2603+ 2604+	DC DC DC	HL1' 9' HL1' 0' HL1' 7'	m4 cc cc failed mask		
002B08 002B09 002B0A 002B0B	09 00 07 E5C3E5C4 C7404040			2602+ 2603+ 2604+ 2605+	DC DC DC DC	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG'	m4 cc cc failed mask instruction name		
002B08 002B09 002B0A 002B0B 002B14	09 00 07 E5C3E5C4 C7404040 00000010			2602+ 2603+ 2604+ 2605+ 2606+	DC DC DC DC DC	HL1'9' HL1'0' HL1'7' CL8'VCVDG' A(16)	m4 cc cc failed mask instruction name result length		
002B08 002B09 002B0A 002B0B 002B14	09 00 07 E5C3E5C4 C7404040			2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75	DC DC DC DC DC	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG'	m4 cc cc failed mask instruction name result length result address		
002B08 002B09 002B0A 002B0B 002B14 002B18	09 00 07 E5C3E5C4 C7404040 00000010			2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+*	DC DC DC DC DC	HL1'9' HL1'0' HL1'7' CL8'VCVDG' A(16) A(RE75)	m4 cc cc failed mask instruction name result length	ROUTINE	
002B08 002B09 002B0A 002B0B 002B14 002B18	09 00 07 E5C3E5C4 C7404040 00000010 00002B40			2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75	DC DC DC DC DC DC	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST	ROUTINE	
002B08 002B09 002B0A 002B0B 002B14 002B18 002B1C	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006		00001140	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+	DC DC DC DC DC DC VL	HL1'9' HL1'0' HL1'7' CL8'VCVDG' A(16) A(RE75) OF V1, V1FUDGE	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST pollute V1	ROUTINE	
002B08 002B09 002B0A 002B0B 002B14 002B18 002B1C 002B1C	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004		00001140 00002B50	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+	DC DC DC DC DC DC LC DC DC LC DC DC DC	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75) OF V1, V1FUDGE R2, RE75+16	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST pollute V1 get R2 source	ROUTINE	
02B08 02B09 02B0A 02B0B 02B14 02B18 02B1C 02B1C 02B22 02B28	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A		00002B50	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+	DC DC DC DC DC DC LC DC DC VL LC LC VCVDG	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75) OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST pollute V1 get R2 source test instruction	ROUTINE	
02B08 02B09 02B0A 02B0B 02B14 02B18 02B1C 02B1C 02B22 02B28 02B28	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E			2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+	DC DC DC DC DC DC VL 1G VCVDG VST	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save	ROUTINE	
02B08 02B09 02B0A 02B0B 02B14 02B18 02B1C 02B1C 02B22 02B28 02B28 02B28	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+	DC DC DC DC DC DC LC DC DC VL LC LC VCVDG VST EPSW	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw	ROUTINE	
002B08 002B09 002B0A 002B18 002B14 002B1C 002B1C 002B22 002B22 002B28 002B28 002B34 002B38	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4		00002B50	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+	DC DC DC DC DC DC VL 1G VCVDG VST EPSW ST	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save	ROUTINE	
002B08 002B09 002B0A 002B18 002B14 002B1C 002B1C 002B22 002B22 002B28 002B28 002B34 002B38 002B3C	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+	DC DC DC DC DC DC VL IG VCVDG VST EPSW ST BR	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw	ROUTINE	
002B08 002B09 002B0A 002B0B 002B14 002B1C 002B1C 002B1C 002B22 002B28 002B28 002B34 002B34 002B3C 002B40	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+ 2617+RE75	DC DC DC DC DC DC TOC DC TOC TOC TOC TOC TOC TOC TOC TOC TOC TO	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11 OF	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw to save CC	ROUTINE	
02B08 02B09 02B0A 02B0B 02B14 02B18 02B1C 02B1C 02B22 02B28 02B28 02B28 02B34 02B34 02B36 02B36 02B30 02B40	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4 07FB		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+ 2617+RE75 2618+	DC DC DC DC DC DC DC DS VL 1G VCVDG VST EPSW ST BR DC DROP	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11 OF R5	cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw to save CC return	ROUTINE	
002B08 002B09 002B0A 002B14 002B18 002B1C 002B1C 002B22 002B28 002B28 002B28 002B34 002B36 002B30 002B40 002B40	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4 07FB		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+ 2617+RE75	DC DC DC DC DC DC DC DS VL 1 G VCVDG VST EPSW ST BR DC DROP	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11 OF R5	m4 cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw to save CC	ROUTINE V1 source	
	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4 07FB		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+ 2617+RE75 2618+	DC D	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V10UTPUT R2, R0 R2, CCPSW R11 OF R5 XL16' 00000000000018	cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw to save CC return		
002B08 002B09 002B0A 002B14 002B18 002B1C 002B1C 002B22 002B28 002B28 002B28 002B34 002B36 002B30 002B40 002B40	09 00 07 E5C3E5C4 C7404040 00000010 00002B40 E710 8F40 0006 E320 5050 0004 E612 0099 F05A E710 8F08 000E B98D 0020 5020 8EE4 07FB		00002B50 00001108	2602+ 2603+ 2604+ 2605+ 2606+ 2607+REA75 2608+* 2609+X75 2610+ 2611+ 2612+ 2613+ 2614+ 2615+ 2616+ 2617+RE75 2618+	DC D	HL1' 9' HL1' 0' HL1' 7' CL8' VCVDG' A(16) A(RE75)  OF V1, V1FUDGE R2, RE75+16 V1, R2, 159, 9 V1, V1OUTPUT R2, R0 R2, CCPSW R11 OF R5	cc cc failed mask instruction name result length result address INSTRUCTION UNDER TEST  pollute V1 get R2 source test instruction save exptract psw to save CC return		

0002858		0. 7. 0 zvector- e6- 1	l3-convertt	odeci mal	(Zvector E6 VI	RI-i)		02 Jun 202	4 16: 00: 20	Page	<b>54</b>
0002B38	LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
0002858   0002874   00002858   2624+   ISING *, B5   Mader for test data and test routine address of t	00002R58								INT_MAX		
0002883	00002B58		00002B58					base for test data and	test routin	ıe	
00002850 00	00002B58	00002B74			2625+T76		A(X76)				
10002856   F      2628-	00002B5C							test number			
10002B00   10002B01   10002B01   10002B02   100002B02   10002B02   10002B02   10002B02   10002B02   10002B02   10002B02   10002B02   10002B02								• •			
0002B61   00											
0002862 07											
0002863   55.33554   C7404040   2632+   DC   C48* VCVDC'   instruction name   0002800000200000000000000000000000000											
0002BR0 0000010	00002B63										
1	00002B6C										
0002B74   0002B74   0000000   00001000   00001140   2637+   V.   V.   V.   V.   V.   V.   V.   V	00002B70	00002B98				DC	A(RE76)				
10002B74   E710 B740 0006								INSTRUCTION UNDER TEST	ROUTINE		
0002BA6   0002BA6   00002BA6   00000000   00000000   00000000   000000		E710 9E40 0000		00001140				mallarka Wi			
0002B86   E612 0099 F05A   2639+   VCVD6   V1, R2, 159, 9   Vest instruction   VST   V1, VITUTPUT   Save   Save   CC   VST   V1, VST   V2, VST   V1, VST   V1, VST   V1, VST   V2, VST   V2, VST   V2, VST   V2, VST   V2, VST   V3, VST   V2, VST   V3, VST   V2, VST   V3, VST   V2, VST   V3, VST											
0002B86 E710 8F08 000E 0001108 2640+ VST V1, V10VTPUT save 0002B86 0002B86 0002B95 0520 8EE4 000010E4 2642+ ST R2, CCPSW to save CC 0002B96 0002B95 00000000 00000000 00000000 26464+ RE76 DC OF 0F 000000000 00000000 00000000 0000000				0000£DAO							
0002BBC   898B   0020	00002B86			00001108							
0002B90 0002B00 0000000 00000000 00000000 00000000	00002B8C										
0002B98   2644+RE76   DC   F   0002B98   2645+   DROP   R5   00002B00   2646   DC   XL16   00000000000000000000000000000000000	00002B90			000010E4				to save CC			
0002B80 0000000 0000000 0000000 2645 DC XL16'000000000000000000000000000000000000		07FB						return			
0002B80 00000000 00000000 00000000 2648											
0002BA0   00000214 7483647C   2648		00000000 0000000						00000000002147483647C'	V1 regult		
O002BB8					2040	DC	AL10 000000000000	000000002147483047C	vi lesuit		
2648	00002BA8				2647	DC	FD' 2147483647'		R2 source		
0002BB0   00002BCC   2651+   USING *, R5   base for test data and test routine   0002BB   00002BBC   2652+T77   DC   A(777)   address of test routine   0002BB   0002BBC   0002BCC   0002BBC   0002BCC   00002BCC   0000000000000000000000000000000000											
0002BB0         00002BB0         2651+         USING *, R5         base for test data and test routine address of test routine address of test routine test number           0002BB4         004D         2653+         DC         H' 77'         test number           0002BB7         9F         2655+         DC         HL1' 159'         i3           0002BB8         09         2657+         DC         HL1' 9'         m4           0002BBA         07         2657+         DC         HL1' 0'         cc           0002BBA         07         2658+         DC         HL1' 0'         cc failed mask           0002BBA         07         2659+         DC         CL8' VCVDG'         instruction name           0002BC         0002BC         2661+REA77         DC         A(RE77)         result length           0002BC         0002BC         2661+REA77         DS         OF           0002BC         2662+*         INSTRUCTION UNDER TEST ROUTINE           0002BC         2664+         VL         VI, VI, VIFUDGE         pollute V1           0002BC         2670+         266+         VCDG'         VI, R2, 159, 9         test instruction           0002BC         2668+         VST         VI, VI, R2, 159, 9 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>I NT_MI N</td> <td></td> <td></td>									I NT_MI N		
0002BB0         00002BCC         2652+T77         DC         A(X77)         address of test routine           0002BB4         004D         2653+         DC         H'77'         test number           0002BB7         9F         2655+         DC         HL1'159'         i3           0002BB8         09         2656+         DC         HL1'0'         cc           0002BB8         09         2657+         DC         HL1'0'         cc           0002BBA         07         2658+         DC         HL1'7'         c failed mask           0002BBB         E5C3E5C4         C7404040         2659+         DC         CL8'VCVDG'         instruction name           0002BC         0002BC         2660+         DC         A(16)         result length           0002BC         0002BC         2661+REA77         DC         A(RE77)         result length           0002BC         2663+X7         DS         0F         DO           0002BC         5050         0004         00002C00         2664+         VL         VI, VIFUDGE         pollute VI           0002BDE         E710         8F40         0006         00011d8         2667+         VST         VI, VIFUDGE <t< td=""><td></td><td></td><td>000000000</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			000000000								
0002BB6         004D         2653+         DC         H'77'         test number           0002BB7         9F         2655+         DC         HL1'159'         i3           0002BB9         09         2656+         DC         HL1'9'         m4           0002BB4         07         2658+         DC         HL1'0'         cc           0002BBA         07         2658+         DC         HL1'7'         cc failed mask           0002BC         2659+         DC         CL8'VCVDG'         instruction name           0002BC         2660+         DC         A(16)         result length           0002BC         2661+REA77         DC         A(RE77)         result address           0002BC         2662+*         INSTRUCTION UNDER TEST ROUTINE           0002BC         2663+X77         DS         OF           0002BD         E320 5050 0004         00001140         2664+         VL         VI, VIFUDGE         pollute VI           0002BDE         E320 5050 0004         0000108         2667+         VST         VI, VIFUDGE         pollute VI           0002BBB         E612 0099 F05A         2666+         VCVDG         VI, R2, 159, 9         test instruction		00009PCC	00002880							ıe	
0002BB6 00       2654+       DC       XL1'00'         0002BB7 9F       2655+       DC       HL1'159'       m4         0002BB8 09       2656+       DC       HL1'0'       cc         0002BBA 07       2657+       DC       HL1'0'       cc failed mask         0002BBE E5C3E5C4 C7404040       2659+       DC       CL8'VCVDG'       instruction name         0002BC 0000010       2660+       DC       A(16)       result length         0002BC 0002BF0       2661+REA77       DC       A(RE77)       result address         0002BC 0002BC E710 8F40 0006       0001140       2664+       VL       VI, VIFUDGE       pollute V1         0002BDE E320 5050 0004       00002C00       2665+       IG       R2, RE77+16       get R2 source         0002BDE E710 8F08 000E       00001108       2667+       VST       VI, VIOUTPUT       save         0002BBE 5020 8EE4       0000108       2668+       EPSW       R2, RO       exptract psw         0002BF0 0002BF0 0002BF0       2671+RE77       DC       OF       to save CC         0002BF0 0002BF0 0000000 00018446       2672+       DR0       R5							H' 77'		e		
0002BB7       9F       2655+       DC       HL1'159'       i3         0002BB8       09       2656+       DC       HL1'9'       m4         0002BBA       07       2658+       DC       HL1'7'       cc       failed mask         0002BB       E5C3E5C4       C7404040       2659+       DC       CL8' VCVDG'       instruction name         0002BC       00000000       2660+       DC       A(16)       result length         0002BC       2661+REA77       DC       A(RE77)       result address         1NSTRUCTION UNDER TEST ROUTINE       2662+*       INSTRUCTION UNDER TEST ROUTINE         0002BC       2663+X77       DS       OF         0002BD       E320       5050       0004       00002C00       2664+       VL       VI, VIFUDGE       pollute V1         0002BDE       E710       8F40       0006       0001140       2664+       VL       VI, VI, VIFUDGE       pollute V1         0002BDE       E320       5050       0004       00002C00       2665+       IG       R2, RE77+16       get R2 source         0002BDE       E710       8F08       000E       000108       2667+       VST       VI, VIOUTPUT       save								cest number			
0002BB8 09 00         2656+ DC HL1'9' occ           0002BBA 07 2658+ DC HL1'0' occ         0002BBA 07           0002BBB 000000000         2658+ DC HL1'7' occ failed mask           0002BB 000000000         2659+ DC CL8'VCVDG' instruction name           0002BC 00002BF0 2660+ DC A(16) occ         2661+REA77 DC A(RE77) result address           0002BC 0002BC 00002BF0 2662+* INSTRUCTION UNDER TEST ROUTINE         2663+X77 DS OF           0002BC 0002BC E710 8F40 0006 00001140 2664+ VL VI, V1FUDGE pollute VI         pollute VI           0002BD E320 5050 0004 00002C00 2665+ 1G R2, RE77+16 get R2 source         2666+ VCVDG V1, R2, 159, 9 test instruction           0002BD E710 8F08 000E 00001108 2667+ VST V1, V10UTPUT save         2668+ EPSW R2, R0 exptract psw           0002BE 5020 8EE4 000010E4 2669+ ST R2, CCPSW to save CC         2670+ BR R11 return           0002BF0 0002BF0 0000000 00018446         2671+RE77 DC OF           0002BF0 00000000 00018446         2673 DC XL16'000000000018446744071562067968C' V1 result	00002BB7							i 3			
0002BBA       07       2658+       DC       HL1'7'       cc failed mask         0002BBB       E5C3E5C4       C7404040       2659+       DC       CL8'VCVDG'       instruction name         0002BC4       0000010       2660+       DC       A(16)       result length         0002BC8       00002BF0       2661+REA77       DC       A(RE77)       result address         0002BCC       2662+*       INSTRUCTION UNDER TEST ROUTINE         0002BCC       E710       8F40       0006       00001140       2664+       VL       VI, V1, V1FUDGE       pollute V1         0002BD2       E320       5050       0004       00002C00       2665+       1G       R2, RE77+16       get R2 source         0002BDE       E710       8F08       000E       00001108       2667+       VST       V1, V10UTPUT       save         0002BE4       B98D       0020       2668+       EPSW       R2, R0       exptract psw         0002BE5       07FB       2670+       BR       R11       return         0002BF0       2672+       DRO       R5         0002BF0       2672+       DRO       R5         0002BF0       2672+       DRO       XL16'0000000000	00002BB8				2656+		HL1'9'				
0002BBB       E5C3E5C4       C7404040       2659+       DC       CL8' VCVDG'       instruction name         0002BC4       0000010       2660+       DC       A(16)       result length         0002BC       2661+REA77       DC       A(RE77)       result address         0002BCC       2663+X77       DS       OF         0002BCC       2663+X77       DS       OF         0002BCC       E710       8F40       0006       0001140       2664+       VL       V1, V1FUDGE       pollute V1         0002BD2       E320       5050       0004       00002C00       2665+       1G       R2, RE77+16       get R2 source         0002BDE       E710       8F00       2666+       VCVDG       V1, R2, 159, 9       test instruction         0002BDE       E710       8F00       2666+       VST       V1, V10UTPUT       save         0002BE4       B98D       0020       2668+       EPSW       R2, R0       exptract psw         0002BE5       07FB       2670+       BR       R11       return         0002BF0       2671+RE77       DC       OF         0002BF0       2672+       DROP       R5         0002BF0	00002BB9										
0002BC4         00000010         2660+         DC         A(16)         result length           0002BC8         00002BF0         2661+REA77         DC         A(RE77)         result address           0002BCC         2662+*         INSTRUCTION UNDER TEST ROUTINE           0002BCC         2663+X7         DS         OF           0002BC         2663+X7         DS         OF           0002BD         2520 5050 0004         00002C00         2665+         1G         R2, RE77+16         get R2 source           0002BDE         2612 0099 F05A         2666+         VCVDG V1, R2, 159, 9         test instruction           0002BDE         2710 8F08 000E         00001108 2667+         VST         V1, V10UTPUT         save           0002BE4 B98D 0020         2668+         EPSW R2, R0         exptract psw           0002BE5 07FB         2670+         BR         R11         return           0002BF0 0002BF0         2672+         DC         OF           0002BF0 0002BF0         2672+         DC         XL16' 0000000000018446744071562067968C'         V1 result											
O002BCC   O0002BF0   2661+REA77   DC   A(RE77)   result address   INSTRUCTION UNDER TEST ROUTINE											
2662+*   2663+X77   DS   OF   O002BCC   E710   8F40   O006   O0001140   2664+   VL   V1, V1FUDGE   Pollute V1   O002BD2   E320   5050   O004   O0002C00   2665+   1G   R2, RE77+16   get R2   source   O002BD2   E612   O099   F05A   2666+   VCVDG   V1, R2, 159, 9   test instruction   Save   O002BDE   E710   8F08   O00E   O0001108   2667+   VST   V1, V10UTPUT   Save   O002BE4   B98D   O020   2668+   EPSW   R2, R0   exptract   psw   O002BE8   5020   8EE4   O00010E4   2669+   ST   R2, CCPSW   to save CC   O002BEC   O7FB   2670+   BR   R11   return   O002BF0   C672+   DROP   R5   O002BF0   O0000000   O0018446   C673   DC   XL16'   O000000000018446744071562067968C'   V1   result   V1   V1   V1   V1   V1   V1   V1   V											
0002BCC         2663+X77         DS         0F           0002BCC         E710         8F40         0006         00001140         2664+         VL         V1, V1FUDGE         pollute V1           0002BD2         E320         5050         0004         00002C00         2665+         1G         R2, RE77+16         get R2 source           0002BBE         E612         0099         F05A         2666+         VCVDG         V1, R2, 159, 9         test instruction           0002BE         E710         8F08         000E         00001108         2667+         VST         V1, V10UTPUT         save           0002BE4         B98D         0020         2668+         EPSW         R2, RO         exptract psw           0002BE5         07FB         2670+         BR         R11         return           0002BF0         2671+RE77         DC         OF           0002BF0         2672+         DROP         R5           0002BF0         2673         DC         XL16' 0000000000018446744071562067968C'         V1 result	OOOO&BCO	00002BF0				ъс	A(RE77)		ROUTINE		
0002BCC         E710         8F40         0006         00001140         2664+         VL         V1, V1FUDGE         pollute V1           0002BD2         E320         5050         0004         00002C00         2665+         1G         R2, RE77+16         get R2 source           0002BDE         E612         0099         F05A         2666+         VCVDG         V1, R2, 159, 9         test instruction           0002BDE         E710         8F08         000E         00001108         2667+         VST         V1, V10UTPUT         save           0002BE4         B98D         0020         2668+         EPSW         R2, R0         exptract psw           0002BES         5020         8EE4         000010E4         2669+         ST         R2, CCPSW         to save CC           0002BF0         2670+         BR         R11         return           0002BF0         2672+         DROP         R5           0002BF0         2673         DC         XL16' 00000000000018446744071562067968C'         V1 result	00002BCC					DS	<b>OF</b>		20012112		
0002BD8       E612       0009       F05A       2666+       VCVDG       V1, R2, 159, 9       test instruction         0002BDE       E710       8F08       000E       00001108       2667+       VST       V1, V10UTPUT       save         0002BE4       B98D       0020       2668+       EPSW       R2, R0       exptract psw         0002BE8       5020       8EE4       000010E4       2669+       ST       R2, CCPSW       to save CC         0002BF0       2670+       BR       R11       return         0002BF0       2672+       DROP       R5         0002BF0       00000000       00018446       2673       DC       XL16' 00000000000018446744071562067968C'       V1 result	00002BCC				2664+	VL	V1, V1FUDGE				
0002BDE       E710       8F08       000E       00001108       2667+       VST       V1, V10UTPUT       save         0002BE4       B98D       0020       2668+       EPSW       R2, R0       exptract psw         0002BES       5020       8EE4       000010E4       2669+       ST       R2, CCPSW       to save CC         0002BEC       07FB       2670+       BR       R11       return         0002BF0       2671+RE77       DC       0F         0002BF0       2672+       DROP       R5         0002BF0       00000000       00018446       2673       DC       XL16' 0000000000018446744071562067968C'       V1 result	00002BD2			00002C00							
0002BE4       B98D       0020       2668+       EPSW       R2, R0       exptract psw         0002BE8       5020       8EE4       000010E4       2669+       ST       R2, CCPSW       to save CC         0002BEC       07FB       2670+       BR       R11       return         0002BF0       2671+RE77       DC       0F         0002BF0       2672+       DROP       R5         0002BF0       00000000       00018446       2673       DC       XL16' 0000000000018446744071562067968C'       V1 result				00001100							
0002BE8       5020       8EE4       000010E4       2669+       ST       R2, CCPSW       to save CC         0002BEC       07FB       2670+       BR       R11       return         0002BF0       2671+RE77       DC       0F         0002BF0       2672+       DROP       R5         0002BF0       00000000       00018446       2673       DC       XL16' 0000000000018446744071562067968C'       V1 result				00001108							
0002BEC 07FB       2670+       BR R11       return         0002BF0 0002BF0 0000000 00018446       2671+RE77 DC 0F       0F         0002BF0 00000000 00018446       2672+       DR0P R5         0002BF0 00000000 00018446       2673       DC XL16' 000000000018446744071562067968C'       V1 result				000010F4							
0002BF0				JUUUTULA							
0002BF0	00002BEC										
	00002BEC 00002BF0										
0002RFX 74407156 2067968C	00002BF0 00002BF0					2202					
	00002BF0 00002BF0 00002BF0							8446744071562067968C'	V1 result		
0002C00 FFFFFFF 80000000	00002BF0 00002BF0 00002BF0 00002BF8	74407156 2067968C			2673	DC	XL16' 000000000001				

DC DC

2674 2675 \*

XL8' FFFFFFFF80000000' FD' - 2147483648'

R2 source R2 sourc

ASMA Ver. 0.7.0 zvector-e6-13-converttodecimal (Zvector E6 VRI-i)

ADDR1

00002C08

ADDR2

00001140

00002C58

00001108

000010E4

00001140

00002CB0

00001108

000010E4

**STM** 

2676 2677

2678+

2679+

2681+

2682+

2683+

2684+

2685+

2686+

2687+

2688+

2690+\*

2692+

2693+

2694+

2695+

2696+

2697+

2698+

2700+

2701

2702

2703 2704

2705+

2712+

2713+

2714+

2715+

2717+\*

2719+

2720+ 2721+

2722+

2723+

2724+

2725+

2729

2726+RE79

2718+X79

2716+REA79

2699+RE78

2691+X78

2689+REA78

2680+T78

XL1' 00' DC HL1' 159' DC DC HL1'9' DC HL1'0' DC HL1'7' DC

USING \*, R5

VRR\_K VCVDG, 159, 9, 0

A(X78)

XL1' 00'

HL1'9'

HL1'0'

HL1'7'

A(16)

VCVDG V1, R2, 159, 9

R11

0F

**R5** 

 $\mathbf{0F}$ 

EPSW R2, R0

A(RE78)

CL8' VCVDG'

V1, V1FUDGE

R2, RE78+16

V1, V10UTPUT

R2, CCPSW

VRR\_K VCVDG, 159, 9, 0

A(X79)

H' 79'

A(16)

VCVDG V1, R2, 159, 9

V1, V1FUDGE

R2, RE79+16

V1, V10UTPUT

R2, CCPSW

0F

**OFD** 

HL1' 159'

H' 78'

**OFD** 

USING \*, R5

DS

DC

DS

VL

1 G

**VST** 

ST

BR

DC

DC

DC

DS

DC

DC

DC

DC

DS

VL

1 G

**VST** 

ST

BR

DC

DROP

CL8' VCVDG' A(RE79)

XL08' 8000000000000000'

pollute V1 get R2 source test instruction

save exptract psw to save CC

return

i 3

**m4** 

i3

**m4** 

DC 0F **DROP R5** 

R11

EPSW R2, R0

2727+ 2728 DC XL16' 0000000000009223372036854775808C'

R1 result

V1 source

00002CA0 00000000 00009223 00002CA8 37203685 4775808C 00002CB0 8000000 00000000

L<sub>O</sub>C

00002C08

00002C08

00002C08

00002C0C

00002C0E

00002C0F

00002C10

00002C11

00002C12

00002C13

00002C1C

00002C20

00002C24

00002C24

00002C2A

00002C30

00002C36

00002C3C

00002C40

00002C44

00002C48

00002C48

00002C48

00002C50

00002C58

00002C60

00002C60

00002C60

00002C64

00002C66

00002C67

00002C68

00002C69

00002C6A

00002C6B

00002C74

00002C78

00002C7C

00002C7C

00002C82

00002C88

00002C8E

00002C94

00002C98

00002C9C

00002CA0

00002CA0

**OBJECT CODE** 

E5C3E5C4 C7404040

E710 8F40 0006

E320 5050 0004

E612 0099 F05A

E710 8F08 000E

00000000 00009223

37203685 4775807C

**7FFFFFF FFFFFFF** 

E5C3E5C4 C7404040

E710 8F40 0006

E320 5050 0004

E612 0099 F05A

E710 8F08 000E

B98D 0020

5020 8EE4

07FB

B98D 0020

5020 8EE4

00002C7C

0000010

00002CA0

004F

00

9F

09

00

07

07FB

00002C24

00000010

00002C48

004E

00

9F

09

00

07

0F

**R5** 

DC DROP

2783+RE81

2784 +

00002D50

00002D50

	<b>0.7.0</b> zvector-e6-1			(Zvector E6 V	RI-i)		02 Jun 202	4 16: 00: 20 l	Page	57
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
	00000000 00000000 0000000 0000000C			2785	DC	XL16' 00000000000	0000000000000000000C'	V1 result		
0002D60	00000000 00000000			2786 2787	DC	FD' 0'		R2 source		
				2788		VCVDG, 137, 9, 0				
0002D68 0002D68		00002D68		2789+ 2790+	DS USING	OFD * DE	base for test data and	toot moutine		
	00002D84	υυυυωμοδ		2790+ 2791+T82	DC	A(X82)	address of test routin		•	
	0052			2792+	DC	H' 82'	test number			
	00			2793+	DC	XL1' 00'				
	89			2794+	DC	HL1' 137'	i 3			
	09 00			2795+ 2796+	DC DC	HL1'9' HL1'0'	m4 cc			
	07			2797+	DC	HL1' 7'	cc failed mask			
	E5C3E5C4 C7404040			2798+	DC	CL8' VCVDG'	instruction name			
	00000010			2799+	DC	A(16)	result length			
0002D80	00002DA8			2800+REA82 2801+*	DC	A(RE82)	result address INSTRUCTION UNDER TEST	ROUTI NE		
0002D84				2802+X82	DS	0F	INSTRUCTION UNDER TEST	WOUTHE.		
	E710 8F40 0006		00001140	2803+	VL	V1, V1FUDGE	pollute V1			
	E320 5050 0004		00002DB8	2804+	l G	R2, RE82+16	get R2 source			
	E612 0098 905A E710 8F08 000E		00001108	2805+ 2806+	VCVDG VST	V1, R2, 137, 9 V1, V10UTPUT	test instruction save			
	B98D 0020		00001100	2807+		R2, R0	exptract psw			
0002DA0	5020 8EE4		000010E4	2808+	ST	R2, CCPSW	to save CC			
	07FB			2809+	BR	R11	return			
0002DA8 0002DA8				2810+RE82 2811+	DC DROP	OF R5				
	0000000 00000000			2812	DC		00000000000000000001C'	V1 result		
0002DB0	00000000 0000001C									
0002DB8	0000000 00000001			2813 2814	DC	FD' 1'		R2 source		
				2815	VRR_K	VCVDG, 137, 9, 3		UI NT_MAX		
0002DC0		00002DC0		2816+	DS	OFD * DE	hase for test data and	tost moutine		
0002DC0 0002DC0	00002DDC	OOOOZDCO		2817+ 2818+T83	USI NG DC	A(X83)	base for test data and address of test routin		•	
	0053			2819+	DC	H' 83'	test number	C		
	00			2820+	DC	XL1' 00'				
	89			2821+ 2822+	DC DC	HL1' 137' HL1' 9'	i 3			
	09 03			2823+	DC DC	HL1' 9' HL1' 3'	m4 cc			
0002DCA	0E			2824+	DC	HL1' 14'	cc failed mask			
	E5C3E5C4 C7404040			2825+	DC	CL8' VCVDG'	instruction name			
	00000010 00002E00			2826+ 2827+REA83	DC DC	A(16) A(RE83)	result length result address			
	OOOOLEUU			2828+*			INSTRUCTION UNDER TEST	ROUTINE		
0002DDC 0002DDC	E710 8F40 0006		00001140	2829+X83 2830+	DS VL	OF V1, V1FUDGE	pollute V1			
	E320 5050 0004		00002E10	2831+	1 G	R2, RE83+16	get R2 source			
0002DE8	E612 0098 905A			2832+	VCVDG	V1, R2, 137, 9	test instruction			
	E710 8F08 000E		00001108	2833+	VST	V1, V10UTPUT	save			
	B98D 0020 5020 8EE4		000010E4	2834+ 2835+	EPSW ST	R2, R0 R2, CCPSW	exptract psw to save CC			
	07FB		JUUIULI	2836+	BR	R11	return			
0002E00				2837+RE83	DC	<b>OF</b>				
0002E00				2838+	DROP	R5				

	0. 7. 0 zvector- e6- 1			(Zvector E6 VI	RI-i)		02 Jun 20	24 16: 00: 20 Pa	age 5
LOC	OBJECT CODE	ADDR1	ADDR2	STMI					
00002E00 00002E08	00000000 00000000 0000070 9551615C			2839	DC	XL16' 000000000000	0000000000709551615C'	V1 source	
00002E10	FFFFFFFF FFFFFFFF			2840 2841	DC	FD' - 1'		R2 source	
0000Г10				2842	VRR_K	VCVDG, 137, 9, 3		INT_MAX	
00002E18 00002E18		00002E18		2843+ 2844+	DS USING	OFD *. R5	base for test data an	d test routine	
0002E18	00002E34			2845+T84	DC	A(X84)	address of test routi		
0002E1C 0002E1E	0054 00			2846+ 2847+	DC DC	H' 84' XL1' 00'	test number		
0002E1F	89			2848+	DC	HL1' 137'	i 3		
0002E20 0002E21	09 03			2849+ 2850+	DC DC	HL1'9' HL1'3'	m4 cc		
0002E22	<b>OE</b>			2851+	DC	HL1' 14'	cc failed mask		
00002E23 00002E2C	E5C3E5C4 C7404040 00000010			2852+ 2853+	DC DC	CL8' VCVDG' A(16)	instruction name result length		
0002E2C	0000010 00002E58			2854+REA84	DC DC	A(10) A(RE84)	result address		
0002E34				2855+* 2856+X84	DC	0F	INSTRUCTION UNDER TES	T ROUTINE	
	E710 8F40 0006		00001140	2857+	DS VL	V1, V1FUDGE	pollute V1		
0002E3A	E320 5050 0004		00002E68	2858+	1 G	R2, RE84+16	get R2 source		
0002E40 0002E46	E612 0098 905A E710 8F08 000E		00001108	2859+ 2860+	VCVDG VST	V1, R2, 137, 9 V1, V10UTPUT	test instruction save		
0002E4C	B98D 0020			2861+	<b>EPSW</b>	R2, R0	exptract psw		
0002E50 0002E54	5020 8EE4 07FB		000010E4	2862+ 2863+	ST BR	R2, CCPSW R11	to save CC return		
0002E58	OTID			2864+RE84	DC	<b>OF</b>	1 CCui II		
0002E58 0002E58	0000000 00000000			2865+ 2866	DROP DC	R5	00000000000147483647C'	V1 result	
0002E60	00000014 7483647C						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
0002E68	00000000 7FFFFFF			2867 2868	DC	FD' 2147483647'		R2 source	
0009E70				2869		VCVDG, 137, 9, 3		I NT_MI N	
0002E70 0002E70		00002E70		2870+ 2871+	DS USI NG	OFD *, R5	base for test data an	d test routine	
0002E70	00002E8C			2872+T85	DC	A(X85)	address of test routi		
0002E74 0002E76	0055 00			2873+ 2874+	DC DC	H' 85' XL1' 00'	test number		
0002E77	89			2875+	DC	HL1' 137'	i3		
0002E78 0002E79	09 03			2876+ 2877+	DC DC	HL1'9' HL1'3'	m4 cc		
0002E7A	0E			2878+	DC	HL1' 14'	cc failed mask		
0002E7B 0002E84	E5C3E5C4 C7404040 00000010			2879+ 2880+	DC DC	CL8' VCVDG' A(16)	instruction name result length		
0002E84	0000010 00002EB0			2881+REA85	DC	A(RE85)	result address		
0002E8C				2882+* 2883+X85	DS	<b>0F</b>	INSTRUCTION UNDER TES	T ROUTINE	
0002E8C	E710 8F40 0006		00001140	2884+	VL	V1, V1FUDGE	pollute V1		
0002E92	E320 5050 0004		00002EC0	2885+	1 G	R2, RE85+16	get R2 source		
0002E98 0002E9E	E612 0098 905A E710 8F08 000E		00001108	2886+ 2887+	VCVDG VST	V1, R2, 137, 9 V1, V10UTPUT	test instruction save		
0002EA4	B98D 0020			2888+	<b>EPSW</b>	R2, R0	exptract psw		
0002EA8 0002EAC	5020 8EE4 07FB		000010E4	2889+ 2890+	ST BR	R2, CCPSW R11	to save CC return		
0002EB0				2891+RE85	DC	<b>OF</b>			
0002EB0				2892+	DROP	R5			

	0. 7. 0 zvector- e6-1			(Zvector E6 V	KI - i )		02 Jun 202	4 16: 00: 20 F	'age	5
LOC	OBJECT CODE	ADDR1	ADDR2	STM						
0002EB0 0002EB8	00000000 00000000 0000056 2067968C			2893	DC	XL16' 00000000000	00000000000562067968C'	V1 result		
0002EC0	FFFFFFF 80000000			2894 2895	DC	FD' - 2147483648'				
				2896		VCVDG, 137, 9, 3		LONG_MAX		
0002EC8		00000EG0		2897+	DS	OFD	1 6 1 . 1			
0002EC8 0002EC8	00002EE4	00002EC8		2898+ 2899+T86	USI NG DC	*, K5	base for test data and address of test routin		•	
002ECC	00002EE4 0056			2900+	DC	A(X86) H' 86'	test number	е		
0002ECE	00			2901+	DC	XL1' 00'	cese number			
0002ECF	89			<b>2902</b> +	DC	HL1' 137'	i 3			
0002ED0	09			2903+	DC	HL1'9'	m4			
0002ED1	03			2904+	DC	HL1'3'	cc			
0002ED2 0002ED3	0E E5C3E5C4 C7404040			2905+ 2906+	DC DC	HL1' 14' CL8' VCVDG'	cc failed mask instruction name			
0002EDC	00000010			2907+	DC DC	A(16)	result length			
0002EE0	00002F08			2908+REA86	DC	A(RE86)	result address			
				2909+*		Ì	INSTRUCTION UNDER TEST	ROUTINE		
0002EE4	EM10 0E10 0000		00004446	2910+X86	DS	OF	11 , 274			
0002EE4	E710 8F40 0006		00001140	2911+	VL	V1, V1FUDGE	pollute V1			
0002EEA 0002EF0	E320 5050 0004 E612 0098 905A		00002F18	2912+ 2913+	l G VCVDG	R2, RE86+16 V1, R2, 137, 9	get R2 source test instruction			
002EF6	E710 8F08 000E		00001108	2914+	VCVDG	V1, N2, 137, 9 V1, V10UTPUT	save			
0002EFC	B98D 0020		00001100	2915+	EPSW	R2, R0	exptract psw			
0002F00	5020 <b>8EE</b> 4		000010E4	2916+	ST	R2, CCPSW	to save CC			
0002F04	07FB			2917+	BR	R11	return			
0002F08				2918+RE86	DC	OF				
0002F08 0002F08	0000000 00000000			2919+ 2920	DROP DC	R5	00000000000854775807C'	V1 source		
0002F00	00000085 4775807C			2020	ЪС	ALIO 0000000000	000000000000347738076	VI Source		
0002F18	7FFFFFF FFFFFFF			2921 2922	DC	XL08' 7FFFFFFFFF	FFFFF'	R1 result		
				2922 2923	VRR K	VCVDG, 137, 9, 3		LONG_MIN		
0002F20				2924+	DS DS	OFD		LONG_NEN		
0002F20		00002F20		2925+	<b>USING</b>	*, <b>R</b> 5	base for test data and	test routine	•	
0002F20	00002F3C			2926+T87	DC	A(X87)	address of test routin	e		
0002F24	0057			2927+	DC	H' 87'	test number			
0002F26 0002F27	00 89			2928+ 2929+	DC DC	XL1' 00' HL1' 137'	i 3			
0002F28	09			2930+	DC DC	HL1'9'	m4			
0002F29	03			2931+	DC	HL1'3'	cc			
0002F2A	0E			2932+	DC	HL1' 14'	cc failed mask			
0002F2B	E5C3E5C4 C7404040			2933+	DC	CL8' VCVDG'	instruction name			
0002F34 0002F38	00000010 00002F60			2934+ 2935+REA87	DC DC	A(16) A(RE87)	result length result address			
	00002100			2936+*			INSTRUCTION UNDER TEST	ROUTINE		
0002F3C 0002F3C	E710 8F40 0006		00001140	2937+X87 2938+	DS VL	OF V1, V1FUDGE	pollute V1			
002F3C	E320 5050 0004		00001140 00002F70	2939+	ÌĠ	R2, RE87+16	get R2 source			
0002F48	E612 0098 905A			2940+		V1, R2, 137, 9	test instruction			
0002F4E	E710 8F08 000E		00001108	2941+	VST	V1, V10UTPUT	save			
0002F54	B98D 0020		00001051	2942+	<b>EPSW</b>	R2, R0	exptract psw			
0002F58 0002F5C	5020 8EE4 07FB		000010E4	2943+ 2944+	ST BR	R2, CCPSW	to save CC			
	U/FD			2944+ 2945+RE87	DC DC	R11 OF	return			
0002F60										

LOC	OBJECT CODE	ADDR1	ADDR2	STMF					
		ADDKI	ADDIKA		D.C.	VI 101 00000000000		¥/4	
0002F60 0002F68	00000000 00000000			2947	DC	XL16, 00000000000	000000000000854775808C'	V1 source	
0002F08	00000085 4775808C 8000000 00000000			2948	DC	XL08' 80000000000	000001	R1 result	
JUU2F / U	8000000 0000000			2949	DC	ALUS SUUUUUUUUU	00000	KI result	
				2950	VDD K	VCVDG, 137, 9, 3		ULONG_MAX	
0002F78				2951+	DS	OFD		ULUNG_WAX	
002F78		00002F78		2952+	USING		base for test data and	tost routing	
002F78	00002F94	00002178		2953+T88	DC	A(X88)	address of test routin		
002F7C	0058			2954+	DC	H' 88'	test number	e	
002F7E	00			2955+	DC	XL1' 00'	cese number		
002F7F	89			2956+	DC	HL1' 137'	i 3		
002F80	09			2957+	DC	HL1'9'	m4		
002F81	03			2958+	DC	HL1' 3'	CC		
002F82	0E			2959+	DC	HL1' 14'	cc failed mask		
002F83	E5C3E5C4 C7404040			2960+	DC	CL8' VCVDG'	instruction name		
0002F8C	00000010			2961+	DC	A(16)	result length		
002F90	00002FB8			2962+REA88	DC	A(RE88)	result address		
				2963+*		·/	INSTRUCTION UNDER TEST	ROUTINE	
0002F94				2964+X88	DS	0F			
0002F94	E710 8F40 0006		00001140	2965+	VL	V1, V1FUDGE	pollute V1		
0002F9A	E320 5050 0004		00002FC8	2966+	1 <b>G</b>	R2, RE88+16	get R2 source		
0002FA0	E612 0098 905A			2967+	<b>VCVDG</b>	V1, R2, 137, 9	test instruction		
002FA6	E710 8F08 000E		00001108	2968+	VST	V1, V10UTPUT	save		
0002FAC	B98D 0020			2969+	<b>EPSW</b>	R2, RO	exptract psw		
002FB0	5020 8EE4		000010E4	2970+	ST	R2, CCPSW	to save CC		
0002FB4	07FB			2971+	BR	R11	return		
0002FB8				2972+RE88	DC	<b>OF</b>			
0002FB8				2973+	DROP	<b>R5</b>			
0002FB8	0000000 00000000			2974	DC	XL16' 000000000000	000000000000709551615C'	V1 source	
0002FC0	00000070 9551615C			00==	<b>D</b> .C			D4 1.	
0002FC8	FFFFFFF FFFFFFF			2975	DC	XL08' FFFFFFFFF	FFFFF'	R1 result	
				2976					
				2977 *			D1 1 CC 1)		
				2978 * VCVDG		mA = 11 (LB=1, 150)			
				2979 *		i3= 159 ( IOM=1,	MDC=31)		
				2980 2981	VDD V	VCVDC 150 11 0			
002FD0				2981 2982+	VKK_K DS	VCVDG, 159, 11, 0 OFD			
002FD0		00002FD0		2983+	USING		base for test data and	test routing	
002FD0	00002FEC	ουσοκινο		2984+T89	DC	A(X89)	address of test routin		
002FD4	00002FEC 0059			2985+	DC DC	H' 89'	test number	·	
002FD6	00			2986+	DC	XL1' 00'	COSC HUMBOI		
0002FD7	9F			2987+	DC	HL1' 159'	i 3		
0002FD8	OB			2988+	DC	HL1' 11'	m4		
002FD9	00			2989+	DC	HL1' 0'	CC		
0002FDA	07			2990+	DC	HL1' 7'	cc failed mask		
0002FDB	E5C3E5C4 C7404040			2991+	DC	CL8' VCVDG'	instruction name		
002FE4	00000010			2992+	DC	A(16)	result length		
0002FE8	00003010			2993+REA89	DC	A(RE89)	result address		
				2994+*		` ,	INSTRUCTION UNDER TEST	ROUTINE	
0002FEC				2995+X89	DS	0F			
0002FEC	E710 8F40 0006		00001140	2996+	VL	V1, V1FUDGE	pollute V1		
002FF2	E320 5050 0004		00003020	2997+	1 G	R2, RE89+16	get R2 source		
002FF8	E612 00B9 F05A			2998+		V1, R2, 159, 11	test instruction		
0002FFE	E710 8F08 000E		00001108	2999+	VST	V1, V10UTPUT	save		
0003004	B98D 0020			3000+		R2, R0	exptract psw		

LOC OBJECT CODE ADDR1 ADDR2 STMT	
00003008 5020 8EE4	
00003010 3003+RE89 DC 0F 00003010 3004+ DR0P R5	
0003010 00000000 000000000 3005 DC XL16' 000000000000000000000000000000000000	V1 result
0003018	R2 source
3008 VRR_K VCVDG, 159, 11, 0	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	test routine
0003028	
000302C 005A 3012+ DC H'90' test number 000302E 00 3013+ DC XL1'00'	
000302F 9F 3014+ DC HL1'159' i 3	
0003030 0B 3015+ DC HL1'11' m4 0003031 00 3016+ DC HL1'0' cc	
0003032	
0003033 E5C3E5C4 C7404040 3018+ DC CL8' VCVDG' instruction name	
000303C 00000010 3019+ DC A(16) result length 0003040 00003068 3020+REA90 DC A(RE90) result address	
3021+* INSTRUCTION UNDER TEST	ROUTINE
0003044 3022+X90 DS 0F 0003044 E710 8F40 0006 00001140 3023+ VL V1,V1FUDGE pollute V1	
000304A E320 5050 0004	
0003050 E612 00B9 F05A 3025+ VCVDG V1, R2, 159, 11 test instruction 0003056 E710 8F08 000E 00001108 3026+ VST V1, V10UTPUT save	
0003056 E710 8F08 000E	
0003060 5020 8EE4	
0003064 07FB 3029+ BR R11 return 0003068 3030+RE90 DC 0F	
0003068 3031+ DROP R5	
0003068	V1 result
	R2 source
3035 VRR_K VCVDG, 159, 11, 0	UI NT_MAX
0003080 3036+ DS 0FD 0003080 00003080 3037+ USING *, R5 base for test data and	test routine
0003080 0000309C 3038+T91 DC A(X91) address of test routine	<u> </u>
0003084 005B 3039+ DC H'91' test number 0003086 00 3040+ DC XL1'00'	
0003087 9F 3041+ DC HL1'159' i 3	
0003088 0B 3042+ DC HL1'11' m4 0003089 00 3043+ DC HL1'0' cc	
000308A 07 3044+ DC HL1'7' cc failed mask	
0000308B E5C3E5C4 C7404040 3045+ DC CL8' VCVDG' instruction name 00003094 00000010 3046+ DC A(16) result length	
3040+ DC A(16) Festil Clength 00003098 000030C0 3047+REA91 DC A(RE91) result address 3048+* INSTRUCTION UNDER TEST	ROUTINE
000309C 3049+X91 DS 0F	
0000309C E710 8F40 0006	
000030A2 E320 3030 0004 000030D0 3031+ 1G K2, KE31+10 get K2 Source 000030A8 E612 00B9 F05A 3052+ VCVDG V1, R2, 159, 11 test instruction	
$00030AE  ext{ E710 } 8F08  ext{ 000E } 00001108  ext{ 3053+}  ext{ VCVBU V1, K2, 133, 11 }  ext{ cest instruction}$	

TOC	0. 7. 0 zvector- e6-1			(Zvector E6 VI	KI-1)		02 Jun 202	4 16: 00: 20 Pa	age
LOC	OBJECT CODE	ADDR1	ADDR2	STMT					
00030B8	5020 8EE4		000010E4	3055+	ST	R2, CCPSW	to save CC		
00030BC 00030C0	07FB			3056+ 3057+RE91	BR DC	R11 OF	return		
00030C0				3058+	DROP	R5			
00030C0	0000000 00018446			3059	DC		8446744073709551615F'	V1 source	
00030C8	74407370 9551615F								
00030D0	FFFFFFF FFFFFFF			3060	DC	FD' - 1'		R2 source	
				3061	VDD I/	VCVDC 150 11 0		TAME ANA W	
00030D8				3062 3063+	VKK_K DS	VCVDG, 159, 11, 0 OFD		I NT_MAX	
0030D8		000030D8		3064+	USING	* R5	base for test data and	test routine	
00030D8	000030F4	OGGGGGG		3065+T92	DC	A(X92)	address of test routin		
0030DC	005C			3066+	DC	Н' 92'	test number		
00030DE	00			3067+	DC	XL1' 00'			
0030DF	9F			3068+	DC DC	HL1' 159'	i3		
0030E0 0030E1	0B 00			3069+ 3070+	DC DC	HL1' 11' HL1' 0'	m4 cc		
0030E1 0030E2	07			3071+	DC	HL1' 7'	cc failed mask		
0030E3	E5C3E5C4 C7404040			3072+	DC	CL8' VCVDG'	instruction name		
0030EC	0000010			3073+	DC	A(16)	result length		
0030F0	00003118			3074+REA92	DC	A(RE92)	result address	DOLUME ME	
0000E4				3075+*	DC	OF	INSTRUCTION UNDER TEST	ROUTINE	
0030F4 0030F4	E710 8F40 0006		00001140	3076+X92 3077+	DS VL	OF V1, V1FUDGE	nolluto V1		
0030FA	E320 5050 0004		00001140	3077+ 3078+	l G	R2, RE92+16	pollute V1 get R2 source		
003100	E612 00B9 F05A		00000120	3079+		V1, R2, 159, 11	test instruction		
003106	E710 8F08 000E		00001108	3080+	VST	V1, V10UTPUT	save		
000310C	B98D 0020			3081+	<b>EPSW</b>	R2, R0	exptract psw		
0003110	5020 8EE4		000010E4	3082+	ST	R2, CCPSW	to save CC		
0003114 0003118	07FB			3083+ 3084+RE92	BR DC	R11 0F	return		
003118				3085+	DROP	R5			
	0000000 00000000			3086	DC		0000000002147483647F'	V1 result	
003120	00000214 7483647F								
003128	00000000 7FFFFFF			3087	DC	FD' 2147483647'		R2 source	
				3088	VDD V	MOUDO 150 11 0		TAME AND A	
003130				3089 3090+	VRR_K DS	VCVDG, 159, 11, 0 OFD		I NT_MI N	
003130		00003130		3090+ 3091+	USI NG		base for test data and	test routine	
003130	0000314C	0000100		3092+T93	DC	A(X93)	address of test routin		
003134	005D			3093+	DC	H' 93'	test number		
003136	00			3094+	DC	XL1' 00'			
003137	9F			3095+ 3096+	DC DC	HL1' 159' HL1' 11'	i3		
003138 003139	0B 00			3096+ 3097+	DC DC	HL1' 11' HL1' 0'	m4 cc		
00313A	07			3098+	DC DC	HL1' 7'	cc failed mask		
00313B	E5C3E5C4 C7404040			3099+	DC	CL8' VCVDG'	instruction name		
003144	00000010			3100+	DC	A(16)	result length		
003148	00003170			3101+REA93	DC	A(RE93)	result address	DOUTENE	
000314C				3102+* 3103+X93	DS	0F	INSTRUCTION UNDER TEST	KUUIINE	
00314C 00314C	E710 8F40 0006		00001140	3103+x93 3104+	VL	V1, V1FUDGE	pollute V1		
003152	E320 5050 0004		00003180	3105+	ÌĠ	R2, RE93+16	get R2 source		
0003158	E612 00B9 F05A			3106+	VCVDG	V1, R2, 159, 11	test instruction		
00315E	E710 8F08 000E		00001108	3107+	VST	V1, V10UTPUT	save		
003164	B98D 0020			3108+	FPSW	R2, R0	exptract psw		

	0. 7. 0 zvector- e6-1			(Zvector E6 VR	RI-i)		02 Jun 202	24 16: 00: 20 Pag	ge 6
LOC	OBJECT CODE	ADDR1	ADDR2	STMI					
00003168	5020 8EE4		000010E4	3109+	ST	R2, CCPSW	to save CC		
000316C	07FB			3110+ 3111+RE93	BR DC	R11 OF	return		
$0003170 \\ 0003170$				3112+	DROP	R5			
0003170	0000000 00018446			3113	DC		18446744071562067968F'	V1 result	
0003178	74407156 2067968F							, = = = = = = =	
0003180	<b>FFFFFFF 8000000</b>			3114	DC	XL8' FFFFFFF80000	0000'	R2 source	
				3115 *	DC	FD' - 2147483648'		R2 sourc	
				3116 3117	VRR K	VCVDG, 159, 11, 0		LONG_MAX	
0003188				3117	DS	0FD		LUNU_NAA	
0003188		00003188		3119+	USING		base for test data and	l test routine	
0003188	000031A4			3120+T94	DC	A(X94)	address of test routin	ie	
000318C	005E			3121+	DC	H' 94'	test number		
000318E 000318F	00 9F			3122+ 3123+	DC DC	XL1' 00' HL1' 159'	<b>i</b> 3		
000318F	9F 0B			3123+ 3124+	DC DC	HL1 159 HL1' 11'	13 m4		
0003191	00			3125+	DC	HL1' 0'	CC		
0003192	07			3126+	DC	HL1' 7'	cc failed mask		
0003193	E5C3E5C4 C7404040			3127+	DC	CL8' VCVDG'	instruction name		
000319C	0000010			3128+	DC	A(16)	result length		
00031A0	000031C8			3129+REA94 3130+*	DC	A(RE94)	result address INSTRUCTION UNDER TEST	T DOUTINE	
00031A4				3131+X94	DS	0F	INSTRUCTION UNDER TEST	ROUTINE	
00031A4	E710 8F40 0006		00001140	3132+	VL	V1, V1FUDGE	pollute V1		
00031AA	E320 5050 0004		000031D8	3133+	l G	R2, RE94+16	get R2 source		
00031B0	E612 00B9 F05A			3134+	VCVDG	V1, R2, 159, 11	test instruction		
00031B6	E710 8F08 000E		00001108	3135+	VST	V1, V10UTPUT	save		
00031BC 00031C0	B98D 0020 5020 8EE4		000010E4	3136+ 3137+	ST	R2, R0 R2, CCPSW	exptract psw to save CC		
00031C0 00031C4	07FB		00001014	3138+	BR	R11	return		
00031C8	0.12			3139+RE94	DC	0F	100411		
00031C8				3140+	DROP				
00031C8	00000000 00009223			3141	DC	XL16' 0000000000000	)9223372036854775807F'	V1 source	
00031D0 00031D8	37203685 4775807F 7FFFFFF FFFFFFF			3142	DC	XL08' 7FFFFFFFFF	orient.	R1 result	
0003100	/FFFFFF FFFFFFF			3143	DC	ALUO /FFFFFFFF	FFFF	KI result	
				3144	VRR K	VCVDG, 159, 11, 0		LONG_MIN	
00031E0				3145+	DS	OFD		_	
00031E0	000004776	000031E0		3146+	USING	*, <b>R5</b>	base for test data and		
00031E0	000031FC			3147+T95	DC	A(X95)	address of test routin	ie	
00031E4 00031E6	005F 00			3148+ 3149+	DC DC	H' 95' XL1' 00'	test number		
00031E0 00031E7	9F			3150+	DC	HL1' 159'	i 3		
00031E8	OB			3151+	DC	HL1' 11'	m4		
00031E9	00			3152+	DC	HL1' 0'	cc		
00031EA	07 EFC9EFC4 C7404040			3153+	DC	HL1'7'	cc failed mask		
00031EB 00031F4	E5C3E5C4 C7404040 00000010			3154+ 3155+	DC DC	CL8' VCVDG' A(16)	instruction name result length		
00031F4 00031F8	00003220			3156+ <b>REA</b> 95	DC DC	A(RE95)	result address		
0000110	JUUUWU			3157+*	DU	II(IMIOO)	INSTRUCTION UNDER TEST	ROUTINE	
00031FC				3158+X95	DS	<b>0F</b>		-	
00031FC	E710 8F40 0006		00001140	3159+	VL	V1, V1FUDGE	pollute V1		
0003202	E320 5050 0004		00003230	3160+	l G	R2, RE95+16	get R2 source		
0003208 000320E	E612 00B9 F05A E710 8F08 000E		00001108	3161+ 3162+	VCVDG VST	V1, R2, 159, 11 V1, V10UTPUT	test instruction save		
UUUUAUE	L/IU OFUO UUUE		00001100	JIUAT	191	VI, VIUUIFUI	Save		

TOO		ADDD4	ADDDO	CODE FO					ge (
LOC	OBJECT CODE	ADDR1	ADDR2	STM					
0003214	B98D 0020		00004054	3163+		R2, R0	exptract psw		
0003218	5020 8EE4		000010E4	3164+	ST	R2, CCPSW	to save CC		
000321C	07FB			3165+	BR	R11	return		
0003220				3166+RE95	DC DDOD	OF			
0003220	0000000 00000999			3167+	DROP	R5	0999979096054775900F!	V1 course	
0003220 0003228	00000000 00009223 37203685 4775808F			3168	DC		9223372036854775808F'	V1 source	
0003230	80000000 00000000			3169	DC	XL08' 800000000000	0000'	R1 result	
				3170 3171	VRR_K	VCVDG, 159, 11, 0		ULONG_MAX	
0003238		0000000		3172+	DS	OFD			
0003238		00003238		3173+	USING	*, <b>R5</b>	base for test data and		
0003238	00003254			3174+T96	DC	A(X96)	address of test routine	9	
000323C	0060			3175+	DC	H' 96'	test number		
000323E	00			3176+	DC	XL1' 00'	• •		
000323F	9F			3177+	DC	HL1' 159'	i 3		
0003240	OB			3178+	DC	HL1' 11'	m4		
0003241	00			3179+	DC	HL1' 0'	cc		
0003242	07			3180+	DC	HL1'7'	cc failed mask		
0003243	E5C3E5C4 C7404040			3181+	DC	CL8' VCVDG'	instruction name		
000324C	00000010			3182+	DC	A(16)	result length		
0003250	00003278			3183+REA96	DC	A(RE96)	result address	DOUGLAND	
0000074				3184+*	DC	OF	INSTRUCTION UNDER TEST	KUUTINE	
0003254	E710 0E40 0000		00001110	3185+X96	DS	OF			
0003254	E710 8F40 0006		00001140	3186+	VL	V1, V1FUDGE	pollute V1		
000325A	E320 5050 0004		00003288	3187+	lG	R2, RE96+16	get R2 source		
0003260	E612 00B9 F05A		00004400	3188+	VCVDG	V1, R2, 159, 11	test instruction		
0003266	E710 8F08 000E		00001108	3189+	VST	V1, V10UTPUT	save		
000326C	B98D 0020		00001054	3190+	EPSW	R2, R0	exptract psw		
0003270	5020 8EE4		000010E4	3191+	ST	R2, CCPSW	to save CC		
0003274	07FB			3192+	BR	R11	return		
0003278				3193+RE96	DC	OF			
0003278	0000000 00010440			3194+	DROP		044074407070077101751	<b>V</b> 1	
0003278				3195	DC	XL16, 000000000001	8446744073709551615F'	V1 source	
0003280	74407370 9551615F			2100	DC.	VI AO! EEEEEEEEEEE	DEPEND	D1 mc 1 +	
0003288	FFFFFFFF FFFFFFF			3196	DC	XL08' FFFFFFFFFF	rrr	R1 result	
				3197			D1_1 (C_1)		
				3198 * VCVDG 3199 *		m4= 11 ( LB=1, i 3= 137 ( IOM=1,			
				3200		13- 13/ ( 1UNF1,	NDC- 3)		
				3200 3201	VPR K	VCVDG, 137, 11, 0			
0003290				3202+	DS	OFD			
0003290		00003290		3202+ 3203+	USING	* R5	base for test data and	test routine	
0003290	000032AC	00000200		3204+T97	DC	A(X97)	address of test routine		
0003294	0061			3205+	DC	H' 97'	test number		
0003296	0001			3206+	DC	XL1' 00'	cose number		
0003297	89			3207+	DC	HL1' 137'	i3		
0003298	0B			3208+	DC	HL1' 11'	m4		
0003299	00			3209+	DC	HL1' 0'	CC		
000329A	07			3210+	DC	HL1' 7'	cc failed mask		
000329B	E5C3E5C4 C7404040			3211+	DC	CL8' VCVDG'	instruction name		
00032A4	00000010			3212+	DC	A(16)	result length		
00032A8	000032D0			3213+REA97	DC	A(RE97)	result address		
0002110				3214+*			INSTRUCTION UNDER TEST	ROUTINE	
					DC	OF	IDII		
00032AC				3215+X97	D2	Ur			
00032AC	E710 8F40 0006		00001140	3215+X97 3216+	DS VL	OF V1, V1FUDGE	pollute V1		

ASMA Ver.	0. 7. 0 zvector- e6- 1	3-convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 2024	1 16: 00: 20	Page	65
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
000032B2 000032B8	E320 5050 0004 E612 00B8 905A		000032E0	3217+ 3218+		R2, RE97+16 V1, R2, 137, 11	get R2 source test instruction			
000032BE 000032C4 000032C8	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	3219+ 3220+ 3221+	VST EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
000032CC 000032D0 000032D0	07FB			3222+ 3223+RE97 3224+	BR DC DROP	R11 OF R5	return			
000032D0 000032D8	00000000 00000000 0000000 0000000F			3225	DC	XL16' 0000000000000	00000000000000000F'	V1 result		
000032E0	00000000 00000000			3226 3227 3228	DC VRR K	FD' 0' VCVDG, 137, 11, 0		R2 source		
000032E8 000032E8 000032E8	00003304	000032E8		3229+ 3230+ 3231+T98	DS USING DC	OFD	base for test data and address of test routing		ne	
000032EC 000032EE	0062 00			3232+ 3233+	DC DC	H' 98' XL1' 00'	test number	<del>-</del>		
000032EF 000032F0 000032F1	89 0B 00			3234+ 3235+ 3236+	DC DC DC	HL1' 137' HL1' 11' HL1' 0'	i 3 m4 cc			
000032F2 000032F3	07 E5C3E5C4 C7404040			3237+ 3238+	DC DC	HL1' 7' CL8' VCVDG'	cc failed mask instruction name			
000032FC 00003300	00000010 00003328			3239+ 3240+REA98 3241+*	DC DC	A(16) A(RE98)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
00003304 00003304 0000330A	E710 8F40 0006 E320 5050 0004		00001140 00003338	3242+X98 3243+ 3244+	DS VL 1 G	OF V1, V1FUDGE R2, RE98+16	pollute V1 get R2 source			
00003310 00003316	E612 00B8 905A E710 8F08 000E B98D 0020		00001108	3245+ 3246+ 3247+	VCVDG VST	V1, R2, 137, 11 V1, V10UTPUT R2, R0	test instruction save			
	5020 8EE4 07FB		000010E4		ST BR DC	R2, CCPSW R11 OF	exptract psw to save CC return			
00003328 00003328 00003330	00000000 00000000 00000000 0000001F			3251+ 3252	DROP DC	<b>R5</b>	00000000000000001F'	V1 result		
00003338	00000000 00000001			3253 3254 3255	DC VDD K	FD' 1' VCVDG, 137, 11, 3		R2 source UINT MAX		
00003340 00003340 00003340	0000335C	00003340		3256+ 3257+ 3258+T99	DS USING DC	OFD	base for test data and address of test routing	test routi		
00003344 00003346 00003347	0063 00 89			3259+ 3260+ 3261+	DC DC DC	H' 99' XL1' 00' HL1' 137'	test number			
00003348 00003349 0000334A	0B 03 0E			3262+ 3263+ 3264+	DC DC DC	HL1' 11' HL1' 3' HL1' 14'	m4 cc cc failed mask			
0000334B 00003354 00003358	E5C3E5C4 C7404040 00000010 00003380			3265+ 3266+ 3267+REA99	DC DC DC	CL8' VCVDG' A(16) A(RE99)	instruction name result length result address			
0000335C	E710 8F40 0006		00001140	3268+* 3269+X99 3270+	DS VL	OF V1, V1FUDGE	INSTRUCTION UNDER TEST pollute V1	ROUTINE		
			-				•			

ASMA Ver.	0. 7. 0 zvector- e6- 1	3- convertt	odeci mal	(Zvector E6 VR	I-i)		02 Jun 202	4 16: 00: 20	Page	66
LOC	OBJECT CODE	ADDR1	ADDR2	STMI						
00003362 00003368	E320 5050 0004 E612 00B8 905A		00003390	3271+ 3272+		R2, RE99+16 V1, R2, 137, 11	get R2 source test instruction			
0000336E 00003374 00003378	E710 8F08 000E B98D 0020 5020 8EE4		00001108 000010E4	3273+ 3274+ 3275+	VST EPSW ST	V1, V10UTPUT R2, R0 R2, CCPSW	save exptract psw to save CC			
0000337C 00003380 00003380	07FB			3276+ 3277+RE99 3278+	BR DC DROP	R11 OF P5	return			
00003380 00003388	00000000 00000000 00000070 9551615F			3279	DC		0000000000709551615F'	V1 source		
00003388	FFFFFFF FFFFFFF			3280 3281	DC	FD' - 1'		R2 source		
00003398				3282 3283+	VRR_K DS	VCVDG, 137, 11, 3 OFD		INT_MAX		
00003398 00003398 0000339C	000033B4 0064	00003398		3284+ 3285+T100 3286+	USING DC DC	*, R5 A(X100) H' 100'	base for test data and address of test routin test number		ne	
0000339E 0000339F 000033A0	00 89 0B			3287+ 3288+ 3289+	DC DC DC	XL1' 00' HL1' 137' HL1' 11'	i 3 m4			
000033A1 000033A2 000033A3	03 0E E5C3E5C4 C7404040			3290+ 3291+ 3292+	DC DC DC	HL1' 3' HL1' 14' CL8' VCVDG'	cc cc failed mask instruction name			
000033AC 000033B0	00000010 000033D8			3293+ 3294+REA100 3295+*	DC DC	A(16) A(RE100)	result length result address INSTRUCTION UNDER TEST	ROUTINE		
000033B4 000033B4 000033BA	E710 8F40 0006 E320 5050 0004		00001140 000033E8	3296+X100 3297+ 3298+	DS VL 1 G	OF V1, V1FUDGE R2, RE100+16	pollute V1 get R2 source			
000033C0 000033C6 000033CC	E612 00B8 905A E710 8F08 000E B98D 0020		00001108	3299+ 3300+ 3301+	VST EPSW	V1, R2, 137, 11 V1, V10UTPUT R2, R0	test instruction save exptract psw			
000033D4 000033D8	5020 8EE4 07FB		000010E4	3302+ 3303+ 3304+RE100	ST BR DC	R2, CCPSW R11 OF	to save CC return			
000033D8 000033D8 000033E0	00000000 00000000 00000014 7483647F			3305+ 3306	DROP DC	R5 XL16' 00000000000000	0000000000147483647F'	V1 result		
000033E8	00000000 7FFFFFF			3307 3308	DC	FD' 2147483647'		R2 source		
000033F0 000033F0	00002400	000033F0		3309 3310+ 3311+ 3312+T101	DS USING		base for test data and address of test routing		ne	
000033F0 000033F4 000033F6 000033F7	0000340C 0065 00 89			3312+1101 3313+ 3314+ 3315+	DC DC DC DC	A(X101) H' 101' XL1' 00' HL1' 137'	test number	e e		
000033F7 000033F8 000033F9 000033FA	0B 03 0E			3316+ 3317+ 3318+	DC DC DC	HL1' 11' HL1' 3' HL1' 14'	m4 cc cc failed mask			
000033FB 00003404 00003408	E5C3E5C4 C7404040 00000010 00003430			3319+ 3320+ 3321+REA101	DC DC DC	CL8' VCVDG' A(16) A(RE101)	instruction name result length result address			
0000340C	E710 8F40 0006		00001140	3322+* 3323+X101 3324+	DS VL	OF V1, V1FUDGE	INSTRUCTION UNDER TEST pollute V1	ROUTINE		

ASMA Ver.	0. 7. 0 zv	ector-e6-13	3-convertt	odeci mal	(Zvector E6	VRI-i)		02 Jun 202	4 16: 00: 20	Page 67
LOC	OBJECT	CODE	ADDR1	ADDR2	STMT					
	E320 5050 E612 00B8	905A		00003440	3325+ 3326+	VCVDG	R2, RE101+16 V1, R2, 137, 11	get R2 source test instruction		
00003424	E710 8F08 B98D 0020			00001108	3327+ 3328+	<b>EPSW</b>	V1, V10UTPUT R2, R0	exptract psw		
00003428 0000342C	5020 8EE4 07FB			000010E4	3329+ 3330+	ST BR	R2, CCPSW R11	to save CC return		
00003430 00003430	0000000	0000000			3331+RE101 3332+		OF R5	000000000000000000000000000000000000000	¥74	
	00000000 0000056	2067968F			3333	DC		0000000000562067968F'	V1 result	
00003440	FFFFFFF	80000000			3334 3335 * 3336	DC DC	XL8' FFFFFFFF80000 FD' - 2147483648'	000	R2 source R2 sourc	
00003448					3337 3338+	VRR_K DS	VCVDG, 137, 11, 3 OFD		LONG_MAX	
00003448 00003448	00003464		00003448		3339+ 3340+T102	USING		base for test data and address of test routing		ıe
0000344C 0000344E	0066 00				3341+ 3342+	DC	H' 102' XL1' 00'	test number		
0000344F 00003450	89 0B				3343+ 3344+	DC DC	HL1' 137' HL1' 11'	i 3 m4		
00003451 00003452	03 0E				3345+ 3346+	DC DC	HL1' 3' HL1' 14'	cc cc failed mask		
	E5C3E5C4 00000010	C7404040			3347+ 3348+	DC DC	CL8' VCVDG' A(16)	instruction name result length		
00003460	00003488				3349+REA102 3350+*		A(RE102)	result address INSTRUCTION UNDER TEST	ROUTINE	
	E710 8F40			00001140	3351+X102 3352+	DS VL	OF V1, V1FUDGE	pollute V1		
00003470	E320 5050 E612 00B8	905A		00003498	3353+ 3354+		R2, RE102+16 V1, R2, 137, 11	get R2 source test instruction		
00003476 0000347C 00003480	E710 8F08 B98D 0020 5020 8EE4			00001108 000010E4	3355+ 3356+ 3357+		V1, V10UTPUT R2, R0 R2, CCPSW	exptract psw to save CC		
00003480 00003484 00003488	07FB			000010E4	3358+ 3359+RE102	BR DC	R11 OF	return		
00003488 00003488	00000000	00000000			3360+ 3361		<b>R5</b>	0000000000854775807F'	V1 source	
00003490 00003498	00000085 7FFFFFF	4775807F			3362	DC	XL08' 7FFFFFFFFF		R1 result	
					3363 3364	VRR_K	VCVDG, 137, 11, 3		LONG_MIN	
000034A0 000034A0			000034A0		3365+ 3366+	DS USING		base for test data and		ıe
000034A0 000034A4	000034BC 0067				3367+T103 3368+	DC DC	A(X103) H' 103'	address of test routing test number	ie	
000034A6 000034A7 000034A8	00 89 0B				3369+ 3370+ 3371+	DC DC DC	XL1' 00' HL1' 137' HL1' 11'	i 3 m4		
000034A8 000034A9 000034AA	ОВ 03 0Е				3372+ 3373+	DC DC	HL1' 3' HL1' 14'	cc cc failed mask		
000034AA 000034AB 000034B4	E5C3E5C4 00000010	C7404040			3374+ 3375+	DC DC	CL8' VCVDG' A(16)	instruction name result length		
000034B4 000034B8	000034E0				3376+REA103 3377+*		A(RE103)	result address INSTRUCTION UNDER TEST	ROUTINE	
000034BC					3378+X103	DS	0F			

ASMA Ver.	0.7.0 zve	ector- e6- 13	- convertt	odeci mal	(Zvector E	E6 VRI-i)		02 Jun	2024 16: 00: 20 Page	68
LOC	OBJECT	CODE	ADDR1	ADDR2	STMT					
000034BC 000034C2	E710 8F40 E320 5050	0004		00001140 000034F0		VL 1 G	V1, V1FUDGE R2, RE103+16	pollute V1 get R2 source		
000034C8 000034CE 000034D4	E612 00B8 E710 8F08 B98D 0020			00001108	3381+ 3382+ 3383+	VST	G V1, R2, 137, 11 V1, V10UTPUT R2, R0	test instruction save exptract psw		
000034D8 000034DC 000034E0	5020 8EE4 07FB			000010E4	3384+ 3385+ 3386+RE10	ST BR	R2, CCPSW R11 OF	to save CC return		
000034E0 000034E0 000034E8	00000000 0 00000085 4				3387+ 3388	DROP DC	<b>R</b> 5	000000000000000854775808	F' V1 source	
000034F0	80000000 (				3389 3390	DC VDD	XL08' 80000000		R1 result	
000034F8 000034F8	00000744		000034F8		3391 3392+ 3393+	DS USI N	K VCVDG, 137, 11, OFD G *, R5	base for test data		
000034F8 000034FC 000034FE	00003514 0068 00				3394+T104 3395+ 3396+	DC DC	A(X104) H' 104' XL1' 00'	address of test ro test number	outine	
000034FF 00003500 00003501	89 0B 03				3397+ 3398+ 3399+	DC DC DC	HL1' 137' HL1' 11' HL1' 3'	i 3 m4 cc		
00003502 00003503 0000350C	0E E5C3E5C4 00000010	C <b>7404040</b>			3400+ 3401+ 3402+	DC DC DC	HL1' 14' CL8' VCVDG' A(16)	cc failed mask instruction name		
00003510	00003538				3403+REA1 3404+*	104 DC	A(RE104)	result length result address INSTRUCTION UNDER	TEST ROUTINE	
00003514 00003514 0000351A	E710 8F40 E320 5050			00001140 00003548	3405+X104 3406+ 3407+	1 DS VL 1 G	OF V1, V1FUDGE R2, RE104+16	pollute V1 get R2 source		
00003520 00003526 0000352C	E612 00B8 E710 8F08 B98D 0020	000E		00001108	3408+ 3409+ 3410+	VST	G V1, R2, 137, 11 V1, V10UTPUT R2, R0	test instruction save exptract psw		
00003530 00003534	5020 8EE4 07FB			000010E4	3411+ 3412+ 3413+RE10	ST BR	R2, CCPSW R11	to save CC return		
00003538 00003538 00003538	00000000 (				3413+KE10 3414+ 3415	D4 DC DROF DC		000000000000000709551615	F' V1 source	
00003540 00003548	00000070 S FFFFFFF I				3416 3417	DC	XL08' FFFFFFF		R1 result	
00003550 00003554					3418 3419 3420 *	DC DC	F' O' END F' O'	OF TABLE		
00003558					3421 * ta 3422 * 3423 E6TE	•	inters to indiv OF	idual load test		
00003558	00001100				3424 3425+TTAB	PTTA BLE DS	BLE OF	address of tost		
00003558 0000355C 00003560	00001190 000011E8 00001240				3426+ 3427+ 3428+	DC DC DC	A(T1) A(T2) A(T3)	address of test address of test address of test		
00003564 00003568 0000356C	00001298 000012F0 00001348				3429+ 3430+ 3431+	DC DC DC	A(T4) A(T5) A(T6)	address of test address of test address of test		
00003570	000013A0				3432+	DC	A(T7)	address of test		

ASMA Ver.	0. 7. 0 zvecto	or-e6-13-converttodo	ecimal (Zvector	E6 VRI-i)		02 Jun 2024 16:00	20 Page	69
LOC	овјест сог	DE ADDR1	ADDR2 STMF					
	000013F8		3433+	DC	A(T8)	address of test		
	00001450		3434+	DC	A(T9)	address of test		
	000014A8		3435+	DC DC	A(T10)	address of test		
	00001500 00001558		3436+ 3437+	DC DC	A(T11) A(T12)	address of test address of test		
	00001538 000015B0		3438+	DC DC	A(T13)	address of test		
	00001608		3439+	DC	A(T14)	address of test		
	00001660		3440+	DC	A(T15)	address of test		
	000016B8		3441+	DC	A(T16)	address of test		
	00001710		3442+	DC	A(T17)	address of test		
	00001768		3443+	DC	A(T18)	address of test		
	000017C0 00001818		3444+ 3445+	DC DC	A(T19) A(T20)	address of test address of test		
	00001818		3445+ 3446+	DC DC	A(T21)	address of test		
	00001878		3447+	DC	A(T22)	address of test		
	00001920		3448+	DC	A(T23)	address of test		
	00001978		3449+	DC	A(T24)	address of test		
	000019D0		3450+	DC	A(T25)	address of test		
	00001A28		3451+	DC	A(T26)	address of test		
	00001A80		3452+	DC	A(T27)	address of test		
	00001AD8		3453+	DC DC	A(T28)	address of test		
	00001B30 00001B88		3454+ 3455+	DC DC	A(T29) A(T30)	address of test address of test		
	00001BE0		3456+	DC DC	A(T31)	address of test		
	00001BE0		3457+	DC	A(T32)	address of test		
	00001C90		3458+	DC	A(T33)	address of test		
	00001CE8		3459+	DC	A(T34)	address of test		
	00001D40		3460+	DC	A(T35)	address of test		
	00001D98		3461+	DC	A(T36)	address of test		
	00001DF0		3462+	DC	A(T37)	address of test		
	00001E48 00001EA0		3463+	DC DC	A(T38)	address of test		
	00001EAU 00001EF8		3464+ 3465+	DC DC	A(T39) A(T40)	address of test address of test		
	00001EF8		3466+	DC DC	A(T41)	address of test		
	00001FA8		3467+	DC	A(T42)	address of test		
	00002000		3468+	DC	A(T43)	address of test		
	00002058		3469+	DC	A(T44)	address of test		
	000020B0		3470+	DC	A(T45)	address of test		
	00002108		3471+	DC	A(T46)	address of test		
	00002160		3472+	DC DC	A(T47)	address of test		
	000021B8 00002210		3473+ 3474+	DC DC	A(T48) A(T49)	address of test address of test		
	00002210		3474+ 3475+	DC DC	A(T50)	address of test		
	00002200 000022C0		3476+	DC	A(T51)	address of test		
	00002318		3477+	DC	A(T52)	address of test		
	00002370		3478+	DC	A(T53)	address of test		
	000023C8		3479+	DC	A(T54)	address of test		
	00002420		3480+	DC	A(T55)	address of test		
	00002478		3481+	DC	A(T56)	address of test		
	000024D0		3482+	DC	A(T57)	address of test		
	00002528 00002580		3483+ 3484+	DC DC	A(T58) A(T59)	address of test address of test		
	000025D8		3485+	DC DC	A(139) A(T60)	address of test		
	00002308		3486+	DC DC	A(T61)	address of test		
	00002688		3487+	DC	A(T62)	address of test		
	000026E0		3488+	DC	A(T63)	address of test		

ASMA Ver.	0. 7. 0 zvector- e6	3-13-convertto	odeci mal	(Zvector E6	VRI-i)	02 Jun 2024 16: 00: 20 Pag	ge 71
LOC	OBJECT CODE	ADDR1	ADDR2	STMT			
				3537 ****** 3538 * 3539 *****		**************************************	
		0000003 0000004 00000005 00000006 00000007 00000008 00000009 00000000A 0000000B 0000000C 0000000D	00000001 00000001 00000001 00000001 000000	3541 R0 3542 R1 3543 R2 3544 R3 3545 R4 3546 R5 3547 R6 3548 R7 3549 R8 3550 R9 3551 R10 3552 R11 3553 R12 3554 R13 3555 R14 3556 R15	EQU 0 EQU 1 EQU 2 EQU 3 EQU 4 EQU 5 EQU 6 EQU 7 EQU 8 EQU 9 EQU 10 EQU 11 EQU 12 EQU 12 EQU 12		
				3558 *****	******	**************	*
				3559 * 3560 *****	<b>Kegi ste</b> i *******	` equates :************************************	*
		0000000 0000001 0000002 0000003 0000004	00000001 00000001 00000001 00000001	3562 V0 3563 V1 3564 V2 3565 V3 3566 V4	EQU 0 EQU 1 EQU 2 EQU 3 EQU 4		
		0000004 00000005 00000006 00000007 00000008 00000009	00000001 00000001 00000001 00000001	3567 V5 3568 V6 3569 V7 3570 V8 3571 V9	EQU 5 EQU 6 EQU 7 EQU 8 EQU 9		
		0000000A 0000000B 0000000C 0000000D	00000001 00000001 00000001 00000001	3572 V10 3573 V11 3574 V12 3575 V13	EQU 10 EQU 11 EQU 12 EQU 13		
		0000000E 0000000F 00000010 00000011 00000012	00000001 00000001 00000001 00000001	3576 V14 3577 V15 3578 V16 3579 V17 3580 V18	EQU 14 EQU 15 EQU 17 EQU 17 EQU 18		
		00000013 00000014 00000015	00000001 00000001 00000001	3581 V19 3582 V20 3583 V21	EQU 19 EQU 20 EQU 21		

,11	0. 7. 0 zvector- e6	To converce	oucer man	(Evector Lo	VIVI 1)			02 Jun 2024 1	10. 00. 20	1 age	72
LOC	OBJECT CODE	ADDR1	ADDR2	STM							
		0000016	0000001	3584 V22	EQU EQU	22					
		00000017 00000018	00000001 00000001	3585 V23 3586 V24	EQU EQU	23 24					
		00000019	0000001	3587 V25	EQU	25					
		0000001A 0000001B	00000001 00000001	3588 V26 3589 V27	EQU	25 26					
		0000001C	0000001	3590 V28	EĞÜ EĞÜ EĞÜ EĞÜ EĞÜ	27 28 29 30					
		0000001D 0000001E	00000001 00000001	3591 V29 3592 V30	EQU EQU	29					
		0000001E	00000001	3593 V31 3594	EQU	31					
				3595	END						

SYMB0L	ТҮРЕ	VALUE	LENGTH	DEFN	REFER	ENCES											ge 7
EGI N	I	00000200	2	92	58	89	90										
C	Ū	00000009	ĩ	422	167												
CFOUND	X	000010EC	1	393	154	174											
CMASK	U	000000A	1	423	125												
CMSG	U	00000268	1	143	137												
CPRTEXP	C	00001093	1	373	171												
CPRTGOT	C	000010A3	1	376	178	404											
CPRTLINE	C	00001050	16	368	378	181											
CPRTLNG CPRTNAME	U	00000055 0000107D	1	378 371	180												
CPRTNUM	C C	00001071	8 3	369	164 162												
CPSW	F	00001000 000010E4	3 4	392	151	564	591	618	645	672	702	729	756	783	810	841	868
CISW	•	OOOOTOLA	*	302	895	922	949	979	1006	1033	1060	1087	1118	1145	1172	1199	1226
					1256	1283	1310	1337	1364	1395	1422	1449	1476	1503	1533	1560	1587
					1614	1641	1683	1710	1737	1764	1791	1818	1845	1872	1902	1929	1956
					1983	2010	2037	2064	2091	2122	2149	2176	2203	2230	2257	2284	2311
					2341	2368	2395	2422	2449	2476	2503	2530	2561	2588	2615	2642	2669
					2697	2724	2751	2781	2808	2835	2862	2889	2916	2943	2970	3001	3028
					3055	3082	3109	3137	3164	3191	3221	3248	3275	3302	3329	3357	3384
	_				3411												
TLRO	F	0000049C	4	313	102	103	104	105						~ ~ -			
ECNUM	Ç	000010D1	16	388	159	161	168	170	175	177	193	195	202	204	209	211	
6TADR	A	000004A4	4	316	111												
COTEST CONTROL OF THE	4	00000000	28	416	120												
6TESTS	F	00003558	4	3423	316	100	170	104	000	010							
EDIT	X	000010A5	18	383	160	169	176	194	203	210							
ENDTEST EOJ	U T	00000370 00000480	1	231 303	116 234												
EOJPSW	D	00000480	4 Q	303 301	303												
FAILCONT	ע וז	00000470	0	221	184												
FAILED	F	00001000	1	343	223	232											
FAILMSG	II	00001000 000002F8	1	191	132	202											
FAILPSW	Ď	00000210	8	305	307												
AILTEST	Ĩ	00000498	4	307	235												
3	Ū	00000007	ī	420	201												
MAGE	1	00000000	14088	0													
(	Ū	00000400	1	326	327	328	329										
64	U	00010000	1	328													
14	U	8000000	1	421	145	208											
B	U	00100000	1	329													
/SG	I	000003B8	4	267	250												
<b>ISGCMD</b>	C	00000402	9	293	280	281	070										
ISGMSG	Ç	0000040B	95	294	274	291	272										
<b>SGM/C</b>	Ţ	000003FC	6	291	278												
SGOK SCRET	Ţ	000003CE	2	276 287	273												
SGRET SCSAVE	E I	000003E8	4	287 200	284 270	997											
<b>BGSAVE</b> EXTE6	r II	000003F0 0000022A	4	290 113	270 135	287 226											
PNAME	C	0000022A 0000000B	I Q	425	164	198											
AGE	II	00001000	0	327	104	130											
RT3	C	00001000 000010BB	18	386	160	161	162	169	170	171	176	177	178	194	195	196	203
IV I U	C	20001000	10	550	204	205	210	211	212	1/1	170	1//	170	171	100	100	~UU
RTI 3	C	00001040	4	356	205	~00	~10	~11	~1~								
RTLINE	Č	00001040	16	351	360	215											
	T		1	360	214	~_0											
RTLNG	U	0000004C	and the second s	300	~14												

SYMB0L	ТҮРЕ	VALUE	LENGTH	DEFN	REFER	ENCES											ge	
RTNAME	C	0000102F	8	354	198	LITCLS												
TNUM	č	00001021	3	352	196													
	U	0000000	1	3541	52	102	105	118	180	214	222	223	249	251	267	270	272	
					274 840	276 867	287 894	563 921	590 948	617	644 1005	671 1032	701 1059	728 1086	755 1117	782 1144	809 1171	
					1198	1225	1255	1282	1309	978 1336	1363	1394	1421	1448	1475	1502	1532	
					1559	1586	1613	1640	1682	1709	1736	1763	1790	1817	1844	1871	1901	
					1928	1955	1982	2009	2036	2063	2090	2121	2148	2175	2202	2229	2256	
					2283 2641	2310 2668	2340 2696	2367 2723	2394 2750	2421 2780	2448 2807	2475 2834	2502 2861	2529 2888	2560 2915	2587 2942	2614 2969	
					3000	3027	3054	3081	3108	3136	3163	3190	3220	3247	3274	3301	3328	
					3356	3383	3410				0100	0100	0220					
	U	0000001	1	3542	125	126	127	130	131	144	145	146	151	152	153	154	181	
10	U	000000A	1	3551	215 99	232 100	233	281	291									
10 11	Ü	0000000A 0000000B	1	3552	122	100 123	<b>565</b>	<b>592</b>	619	646	673	703	730	757	784	811	842	
			<del>_</del>		869	896	923	950	980	1007	1034	1061	1088	1119	1146	1173	1200	)
					1227	1257	1284	1311	1338	1365	1396	1423	1450	1477	1504	1534	1561	
					1588 1957	1615 1984	1642 2011	1684 2038	1711 2065	1738 2092	1765 2123	1792 2150	1819 2177	1846 2204	1873 2231	1903 2258	1930 2285	
					2312	2342	2369	2396	2423	2450	2477	2504	2531	2562	2589	2616	2643	
					2670	2698	2725	2752	2782	2809	2836	2863	2890	2917	2944	2971	3002	
					3029	3056	3083	3110	3138	3165	3192	3222	3249	3276	3303	3330	3358	
12	U	000000C	1	3553	3385 111	3412 114	134	225										
13	Ü	0000000C	1	3554	111	114	134	LLJ										
14	U	000000E	1	3555														
15 1FUDGE	U X	0000000F 000010F0	1 8	3556 399	182	216	244	254	255									
10UTPUT	F F	000010F0	8	403														
2	Ū	00000002	1	3543	158	159	166	167	168	173	174	175	192	193	200	201	202	
					207	208	209	249	250	251	268	270	276	277	278	280	287	
					288 641	560 642	561 644	563 645	564 668	587 669	588 671	590 672	591 698	614 699	615 701	617 702	618 725	
					<b>726</b>	728	729	752	753	755	756	779	<b>780</b>	<b>782</b>	783	806	807	
					809	810	837	838	840	841	864	865	867	868	891	892	894	
					895	918	919	921	922	945	946	948	949	975	976	978	979	
					1002 1084	1003 1086	1005 1087	1006 1114	1029 1115	1030 1117	1032 1118	1033 1141	1056 1142	1057 1144	1059 1145	1060 1168	1083 1169	
					1171	1172	1195	1196	1113	1199	1222	1223	1225	1226	1252	1253	1255	
					1256	1279	1280	1282	1283	1306	1307	1309	1310	1333	1334	1336	1337	
					1360	1361	1363	1364	1391	1392	1394	1395	1418	1419	1421	1422	1445	
					1446 1532	1448 1533	1449 1556	1472 1557	1473 1559	1475 1560	1476 1583	1499 1584	1500 1586	1502 1587	1503 1610	1529 1611	1530 1613	
					1614	1637	1638	1640	1641	1679	1680	1682	1683	1706	1707	1709	1710	
					1733	1734	1736	1737	1760	1761	1763	1764	1787	1788	1790	1791	1814	
					1815	1817	1818	1841	1842	1844	1845	1868	1869	1871	1872	1898	1899	
					1901 1983	1902 2006	1925 2007	1926 2009	1928 2010	1929 2033	1952 2034	1953 2036	1955 2037	1956 2060	1979 2061	1980 2063	1982 2064	
					2087	2088	2090	2091	2118	2119	2121	2122	2145	2146	2148	2149	2172	
					2173	2175	2176	2199	2200	2202	2203	2226	2227	2229	2230	2253	2254	
					2256 2241	2257 2264	2280 2265	2281 2267	2283	2284	2307	2308	2310	2311	2337	2338	2340	
					2341 2445	2364 2446	2365 2448	2367 2449	2368 2472	2391 2473	2392 2475	2394 2476	2395 2499	2418 2500	2419 2502	2421 2503	2422 2526	
					2527	2529	2530	2557	2558	2560	2561	2584	<b>2585</b>	2587	2588	2611	2612	
					2614	2615	2638	2639	2641	2642	2665	2666	2668	2669	2693	2694	2696	

ASMA Ver. 0.7.0	zvector	- e6- 13- conv	verttodeci m	al (Zv	ector	E6 VRI	-i)						02 Jun	2024	16: 00:	20 Pa	ge	75
SYMBOL	TYPE	VALUE	LENGTH	DEFN	REFER	ENCES												
					2697 2804 2886 2969 3055 3160 3245 3328	2720 2805 2888 2970 3078 3161 3247 3329	2721 2807 2889 2997 3079 3163 3248 3353	2723 2808 2912 2998 3081 3164 3271 3354	2724 2831 2913 3000 3082 3187 3272 3356	2747 2832 2915 3001 3105 3188 3274 3357	2748 2834 2916 3024 3106 3190 3275 3380	2750 2835 2939 3025 3108 3191 3298 3381	2751 2858 2940 3027 3109 3217 3299 3383	2777 2859 2942 3028 3133 3218 3301 3384	2778 2861 2943 3051 3134 3220 3302 3407	2780 2862 2966 3052 3136 3221 3325 3408	2781 2885 2967 3054 3137 3244 3326 3410	
R3 R4 R5	U U U	00000003 00000004 00000005	1 1 1	3544 3545 3546	3411 114 654 844 1015 1202 1377	115 675 850 1036 1208 1398	120 684 871 1042 1229 1404	245 705 877 1063 1238 1425	253 711 898 1069 1259 1431	546 732 904 1090 1265 1452	567 738 925 1100 1286 1458	573 759 931 1121 1292 1479	594 765 952 1127 1313 1485	600 786 961 1148 1319 1506	621 792 982 1154 1340 1515	627 813 988 1175 1346 1536	648 823 1009 1181 1367 1542	
					1563 1746 1932 2104 2287 2458 2645 2817	1569 1767 1938 2125 2293 2479 2651 2838	1404 1590 1773 1959 2131 2314 2485 2672 2844	1425 1596 1794 1965 2152 2323 2506 2679 2865	1431 1617 1800 1986 2158 2344 2512 2700 2871	1452 1623 1821 1992 2179 2350 2533 2706 2892	1438 1644 1827 2013 2185 2371 2543 2727 2898	1479 1665 1848 2019 2206 2377 2564 2733 2919	1485 1686 1854 2040 2212 2398 2570 2754 2925	1692 1875 2046 2233 2404 2591 2763 2946	1713 1884 2067 2239 2425 2597 2784 2952	1719 1905 2073 2260 2431 2618 2790 2973	1740 1911 2094 2266 2452 2624 2811 2983	
R6 R7	U U	00000006	1	3547 3548	3004 3173 3360	3010 3194 3366	3031 3203 3387	3037 3224 3393	3058 3230 3414	3064 3251	3085 3257	3091 3278	3112 3284	3119 3305	3140 3311	3146 3332	3167 3339	
R8 R9 RE1 RE10 RE100 RE101	U U F F F	0000008 00000009 000011D0 000014E8 000033D8 00003430	1 1 4 4 4 4	3549 3550 566 812 3304 3331	89 90 556 802 3294 3321	92 96 560 806 3298 3325	93 97	94 99	96									
RE102 RE103 RE104 RE11 RE12	F F F F	00003488 000034E0 00003538 00001540 00001598	4 4 4 4	3359 3386 3413 843 870	3349 3376 3403 833 860	3353 3380 3407 837 864												
RE13 RE14 RE15 RE16 RE17 RE18	F F F F	000015F0 00001648 000016A0 000016F8 00001750 000017A8	4 4 4 4 4	897 924 951 981 1008 1035	887 914 941 971 998 1025	891 918 945 975 1002												
RE19 RE2 RE20 RE21 RE22 RE23	F F F F	00001800 00001228 00001858 000018B0 00001908 00001960	4 4 4 4 4	1062 593 1089 1120 1147 1174	1052 583 1079 1110 1137 1164	1056 587 1083 1114 1141 1168												
RE24 RE25 RE26	F F F	00001300 000019B8 00001A10 00001A68	4 4	1201 1228	1191 1218 1248	1195 1222 1252												

SYMB0L	TYPE	VALUE	LENGTH	DEFN	REFER	ENCES											
84 85	A A	00002E18 00002E70	4 4	2845 2872	3509 3510												
86	A	00002E70	4	2899	3511												
87	Ä	00002EC0	4	2926	3511 3512												
88	Ä	00002F78	4	2953	3513												
89	A	00002FD0	4	2984	3514												
9	A	00001450	4	766	3434												
90	A	00003028	4	3011	3515												
91	A	00003080	4	3038	3516												
92	A	000030D8	4	3065	3517												
93	A	00003130	4	3092	3518												
94	A	00003188	4	3120	3519												
95 06	A	000031E0	4	3147	3520												
96 97	Α Δ	00003238 00003290	4	3174 3204	3521 3522												
98	A A	00003250 000032E8	4	3231	3522 3523												
99	A	00003218	4	3258	3523 3524												
ESTCC	Ť	00000264	$\stackrel{1}{4}$	137	127												
ESTREST	Ū	00000201 0000024C	i	129	147												
NUM	H	0000004	2	418	158	192											
SUB	A	00000000	4	417	122												
TABLE	F	00003558	4	3425													
0	U	0000000	1	3562													
1	U	0000001	1	3563	559	561	562	586	588	589	613	615	616	640	642	643	667
					669	670	697	699	700	724	726	727	751	753	754	778	780
					781	805	807	808	836	838	839	863	865	866	890	892	893
					917	919	920	944	946	947	974	976	977	1001	1003	1004	1028
					1030 1143	1031 1167	1055 1169	1057 1170	1058 1194	1082 1196	1084 1197	1085 1221	1113 1223	1115 1224	1116 1251	1140 1253	1142 1254
					1278	1280	1281	1305	1307	1308	1332	1334	1335	1359	1361	1362	1390
					1392	1393	1417	1419	1420	1444	1446	1447	1471	1473	1474	1498	1500
					1501	1528	1530	1531	1555	1557	1558	1582	1584	1585	1609	1611	1612
					1636	1638	1639	1678	1680	1681	1705	1707	1708	1732	1734	1735	
					1761	1762	1786	1788	1789	1813	1815	1816	1840	1842	1843	1867	1869
					1870	1897	1899	1900	1924	1926	1927	1951	1953	1954	1978	1980	1981
					2005	2007	2008	2032	2034	2035	2059	2061	2062	2086	2088	2089	2117
					2119	2120	2144	2146	2147	2171	2173	2174	2198	2200	2201	2225	2227
					2228	2252	2254	2255	2279	2281	2282	2306	2308	2309	2336	2338	2339
					2363	2365	2366	2390	2392	2393	2417	2419	2420	2444	2446	2447	2471
					2473 2596	2474	2498	2500	2501	2525	2527	2528 2664	2556 2666	2558 2667	2559	2583	2585 2605
					2586 2719	2610 2721	2612 2722	2613 2746	2637 2748	2639 2749	2640 2776	2664 2778	2666 2779	2667 2803	2692 2805	2694 2806	2695 2830
					2719 2832	2833	2857	2859	2748 2860	2749 2884	2886	2887	2911	2913	2914	2938	2940
					2941	2965	2967	2968	2996	2998	2999	3023	3025	3026	3050	3052	3053
					3077	3079	3080	3104	3106	3107	3132	3134	3135	3159	3161	3162	3186
					3188	3189	3216	3218	3219	3243	3245	3246	3270	3272	3273	3297	3299
					3300	3324	3326	3327	3352	3354	3355	3379	3381	3382	3406	3408	3409
10	U	000000A	1	3572													
11	U	000000B	1	3573													
12	U	000000C	1	3574													
13	<u>U</u>	000000D	1	3575													
14	Ü	000000E	1	3576													
15	U	000000F	1	3577													
16 17	U	00000010 00000011	1	3578 3579													
4 7				33/4													

<b>ACRO</b>	DEFN	REFEREN	ICES															
TABLE CR_K	496 442	3424 544 1013 1483 1963 2429 2896 3364	571 1040 1513 1990 2456 2923 3391	598 1067 1540 2017 2483 2950	625 1098 1567 2044 2510 2981	652 1125 1594 2071 2541 3008	682 1152 1621 2102 2568 3035	709 1179 1663 2129 2595 3062	736 1206 1690 2156 2622 3089	763 1236 1717 2183 2649 3117	790 1263 1744 2210 2677 3144	821 1290 1771 2237 2704 3171	848 1317 1798 2264 2731 3201	875 1344 1825 2291 2761 3228	902 1375 1852 2321 2788 3255	2815	959 1429 1909 2375 2842 3309	986 1456 1936 2402 2869 3337

