

OPTIONS NODECK,LIST,XREF,NOREL,OBJ(P)

THE LIST OF OPTIONS USED DURING THIS ASSEMBLY IS-- NODECK,LIST,XREF,NOREL,OBJ

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15,	MOD 00	16/05/20	PAGE	2
0000					2	##ERMS	START X'0000'					
					3		PRINT ON,DATA					
				0002	4	@DADDR	EQU 2					LENGTH OF DISK ADDRESS
				0001	5	ERMLCT	EQU 1					LENGTH OF COUNT FIELD
				0003	6	ERMLDN	EQU 3					LENGTH OF DECIMAL FIELD
0000	0300			0001	8	DC	AL (@DADDR) (ERM000)					BYTE DISPLACEMENT TO MSG
0002	0322			0003	9	DC	AL (@DADDR) (ERM001)					BYTE DISPLACEMENT TO MSG
0004	0350			0005	10	DC	AL (@DADDR) (ERM002)					BYTE DISPLACEMENT TO MSG
0006	0381			0007	11	DC	AL (@DADDR) (ERM003)					BYTE DISPLACEMENT TO MSG
0008	03AA			0009	12	DC	AL (@DADDR) (ERM004)					BYTE DISPLACEMENT TO MSG
000A	03C7			000B	13	DC	AL (@DADDR) (ERM005)					BYTE DISPLACEMENT TO MSG
000C	03FA			000D	14	DC	AL (@DADDR) (ERM006)					BYTE DISPLACEMENT TO MSG
000E	0429			000F	15	DC	AL (@DADDR) (ERM007)					BYTE DISPLACEMENT TO MSG
0010	044C			0011	16	DC	AL (@DADDR) (ERM008)					BYTE DISPLACEMENT TO MSG
0012	0469			0013	17	DC	AL (@DADDR) (ERM009)					BYTE DISPLACEMENT TO MSG
0014	049E			0015	18	DC	AL (@DADDR) (ERM010)					BYTE DISPLACEMENT TO MSG
0016	04BE			0017	19	DC	AL (@DADDR) (ERM011)					BYTE DISPLACEMENT TO MSG
0018	04F3			0019	20	DC	AL (@DADDR) (ERM012)					BYTE DISPLACEMENT TO MSG
001A	0525			001B	21	DC	AL (@DADDR) (ERM013)					BYTE DISPLACEMENT TO MSG
001C	0546			001D	22	DC	AL (@DADDR) (ERM014)					BYTE DISPLACEMENT TO MSG
001E	057C			001F	23	DC	AL (@DADDR) (ERM015)					BYTE DISPLACEMENT TO MSG
0020	05A5			0021	24	DC	AL (@DADDR) (ERM016)					BYTE DISPLACEMENT TO MSG
0022	05C3			0023	25	DC	AL (@DADDR) (ERM017)					BYTE DISPLACEMENT TO MSG
0024	05D8			0025	26	DC	AL (@DADDR) (ERM018)					BYTE DISPLACEMENT TO MSG
0026	05F1			0027	27	DC	AL (@DADDR) (ERM019)					BYTE DISPLACEMENT TO MSG
0028	060B			0029	28	DC	AL (@DADDR) (ERM020)					BYTE DISPLACEMENT TO MSG
002A	0636			002B	29	DC	AL (@DADDR) (ERM021)					BYTE DISPLACEMENT TO MSG
002C	0665			002D	30	DC	AL (@DADDR) (ERM022)					BYTE DISPLACEMENT TO MSG
002E	0688			002F	31	DC	AL (@DADDR) (ERM023)					BYTE DISPLACEMENT TO MSG
0030	06B5			0031	32	DC	AL (@DADDR) (ERM024)					BYTE DISPLACEMENT TO MSG
0032	06CC			0033	33	DC	AL (@DADDR) (ERM025)					BYTE DISPLACEMENT TO MSG
0034	06EF			0035	34	DC	AL (@DADDR) (ERM026)					BYTE DISPLACEMENT TO MSG
0036	071D			0037	35	DC	AL (@DADDR) (ERM027)					BYTE DISPLACEMENT TO MSG
0038	0737			0039	36	DC	AL (@DADDR) (ERM028)					BYTE DISPLACEMENT TO MSG
003A	075C			003B	37	DC	AL (@DADDR) (ERM029)					BYTE DISPLACEMENT TO MSG
003C	077D			003D	38	DC	AL (@DADDR) (ERM030)					BYTE DISPLACEMENT TO MSG
003E	0798			003F	39	DC	AL (@DADDR) (ERM031)					BYTE DISPLACEMENT TO MSG
0040	07C4			0041	40	DC	AL (@DADDR) (ERM032)					BYTE DISPLACEMENT TO MSG
0042	07E6			0043	41	DC	AL (@DADDR) (ERM033)					BYTE DISPLACEMENT TO MSG
0044	080F			0045	42	DC	AL (@DADDR) (ERM034)					BYTE DISPLACEMENT TO MSG
0046	0826			0047	43	DC	AL (@DADDR) (ERM035)					BYTE DISPLACEMENT TO MSG
0048	084A			0049	44	DC	AL (@DADDR) (ERM036)					BYTE DISPLACEMENT TO MSG
004A	0866			004B	45	DC	AL (@DADDR) (ERM037)					BYTE DISPLACEMENT TO MSG
004C	0889			004D	46	DC	AL (@DADDR) (ERM038)					BYTE DISPLACEMENT TO MSG
004E	089F			004F	47	DC	AL (@DADDR) (ERM039)					BYTE DISPLACEMENT TO MSG
0050	08BB			0051	48	DC	AL (@DADDR) (ERM040)					BYTE DISPLACEMENT TO MSG
0052	08E3			0053	49	DC	AL (@DADDR) (ERM041)					BYTE DISPLACEMENT TO MSG
0054	0903			0055	50	DC	AL (@DADDR) (ERM042)					BYTE DISPLACEMENT TO MSG
0056	091D			0057	51	DC	AL (@DADDR) (ERM043)					BYTE DISPLACEMENT TO MSG
0058	0941			0059	52	DC	AL (@DADDR) (ERM044)					BYTE DISPLACEMENT TO MSG
005A	095B			005B	53	DC	AL (@DADDR) (ERM045)					BYTE DISPLACEMENT TO MSG
005C	097D			005D	54	DC	AL (@DADDR) (ERM046)					BYTE DISPLACEMENT TO MSG
005E	099B			005F	55	DC	AL (@DADDR) (ERM047)					BYTE DISPLACEMENT TO MSG
0060	09B3			0061	56	DC	AL (@DADDR) (ERM048)					BYTE DISPLACEMENT TO MSG
0062	09D8			0063	57	DC	AL (@DADDR) (ERM049)					BYTE DISPLACEMENT TO MSG

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	3
0064	09FF			0065	58	DC	AL (@DADDR) (ERM050)	BYTE	DISPLACEMENT	TO	MSG
0066	0A35			0067	59	DC	AL (@DADDR) (ERM051)	BYTE	DISPLACEMENT	TO	MSG
0068	0A54			0069	60	DC	AL (@DADDR) (ERM052)	BYTE	DISPLACEMENT	TO	MSG
006A	0A77			006B	61	DC	AL (@DADDR) (ERM053)	BYTE	DISPLACEMENT	TO	MSG
006C	0AA1			006D	62	DC	AL (@DADDR) (ERM054)	BYTE	DISPLACEMENT	TO	MSG
006E	0ACB			006F	63	DC	AL (@DADDR) (ERM055)	BYTE	DISPLACEMENT	TO	MSG
0070	0AEA			0071	64	DC	AL (@DADDR) (ERM056)	BYTE	DISPLACEMENT	TO	MSG
0072	0B09			0073	65	DC	AL (@DADDR) (ERM057)	BYTE	DISPLACEMENT	TO	MSG
0074	0B22			0075	66	DC	AL (@DADDR) (ERM058)	BYTE	DISPLACEMENT	TO	MSG
0076	0B58			0077	67	DC	AL (@DADDR) (ERM059)	BYTE	DISPLACEMENT	TO	MSG
0078	0B8A			0079	68	DC	AL (@DADDR) (ERM060)	BYTE	DISPLACEMENT	TO	MSG
007A	0BA5			007B	69	DC	AL (@DADDR) (ERM061)	BYTE	DISPLACEMENT	TO	MSG
007C	0BDB			007D	70	DC	AL (@DADDR) (ERM062)	BYTE	DISPLACEMENT	TO	MSG
007E	0C03			007F	71	DC	AL (@DADDR) (ERM063)	BYTE	DISPLACEMENT	TO	MSG
0080	0C1B			0081	72	DC	AL (@DADDR) (ERM064)	BYTE	DISPLACEMENT	TO	MSG
0082	0C42			0083	73	DC	AL (@DADDR) (ERM065)	BYTE	DISPLACEMENT	TO	MSG
0084	0C5F			0085	74	DC	AL (@DADDR) (ERM066)	BYTE	DISPLACEMENT	TO	MSG
0086	0C84			0087	75	DC	AL (@DADDR) (ERM067)	BYTE	DISPLACEMENT	TO	MSG
0088	0CB0			0089	76	DC	AL (@DADDR) (ERM068)	BYTE	DISPLACEMENT	TO	MSG
008A	0CD3			008B	77	DC	AL (@DADDR) (ERM069)	BYTE	DISPLACEMENT	TO	MSG
008C	0CF5			008D	78	DC	AL (@DADDR) (ERM070)	BYTE	DISPLACEMENT	TO	MSG
008E	0D2B			008F	79	DC	AL (@DADDR) (ERM071)	BYTE	DISPLACEMENT	TO	MSG
0090	0D5E			0091	80	DC	AL (@DADDR) (ERM072)	BYTE	DISPLACEMENT	TO	MSG
0092	0D81			0093	81	DC	AL (@DADDR) (ERM073)	BYTE	DISPLACEMENT	TO	MSG
0094	0DAB			0095	82	DC	AL (@DADDR) (ERM074)	BYTE	DISPLACEMENT	TO	MSG
0096	0DBF			0097	83	DC	AL (@DADDR) (ERM075)	BYTE	DISPLACEMENT	TO	MSG
0098	0DF5			0099	84	DC	AL (@DADDR) (ERM076)	BYTE	DISPLACEMENT	TO	MSG
009A	0E12			009B	85	DC	AL (@DADDR) (ERM077)	BYTE	DISPLACEMENT	TO	MSG
009C	0E36			009D	86	DC	AL (@DADDR) (ERM078)	BYTE	DISPLACEMENT	TO	MSG
009E	0E53			009F	87	DC	AL (@DADDR) (ERM079)	BYTE	DISPLACEMENT	TO	MSG
00A0	0E72			00A1	88	DC	AL (@DADDR) (ERM080)	BYTE	DISPLACEMENT	TO	MSG
00A2	0EAA			00A3	89	DC	AL (@DADDR) (ERM081)	BYTE	DISPLACEMENT	TO	MSG
00A4	0ED1			00A5	90	DC	AL (@DADDR) (ERM082)	BYTE	DISPLACEMENT	TO	MSG
00A6	0F00			00A7	91	DC	AL (@DADDR) (ERM083)	BYTE	DISPLACEMENT	TO	MSG
00A8	0F2A			00A9	92	DC	AL (@DADDR) (ERM084)	BYTE	DISPLACEMENT	TO	MSG
00AA	0F56			00AB	93	DC	AL (@DADDR) (ERM085)	BYTE	DISPLACEMENT	TO	MSG
00AC	0F82			00AD	94	DC	AL (@DADDR) (ERM086)	BYTE	DISPLACEMENT	TO	MSG
00AE	0FB3			00AF	95	DC	AL (@DADDR) (ERM087)	BYTE	DISPLACEMENT	TO	MSG
00B0	0FDA			00B1	96	DC	AL (@DADDR) (ERM088)	BYTE	DISPLACEMENT	TO	MSG
00B2	100D			00B3	97	DC	AL (@DADDR) (ERM089)	BYTE	DISPLACEMENT	TO	MSG
00B4	1037			00B5	98	DC	AL (@DADDR) (ERM090)	BYTE	DISPLACEMENT	TO	MSG
00B6	1058			00B7	99	DC	AL (@DADDR) (ERM091)	BYTE	DISPLACEMENT	TO	MSG
00B8	107B			00B9	100	DC	AL (@DADDR) (ERM092)	BYTE	DISPLACEMENT	TO	MSG
00BA	10AE			00BB	101	DC	AL (@DADDR) (ERM093)	BYTE	DISPLACEMENT	TO	MSG
00BC	10D5			00BD	102	DC	AL (@DADDR) (ERM094)	BYTE	DISPLACEMENT	TO	MSG
00BE	10EC			00BF	103	DC	AL (@DADDR) (ERM095)	BYTE	DISPLACEMENT	TO	MSG
00C0	110D			00C1	104	DC	AL (@DADDR) (ERM096)	BYTE	DISPLACEMENT	TO	MSG
00C2	112E			00C3	105	DC	AL (@DADDR) (ERM097)	BYTE	DISPLACEMENT	TO	MSG
00C4	114C			00C5	106	DC	AL (@DADDR) (ERM098)	BYTE	DISPLACEMENT	TO	MSG
00C6	1181			00C7	107	DC	AL (@DADDR) (ERM099)	BYTE	DISPLACEMENT	TO	MSG
				108	*						
00C8	11A3			00C9	109	DC	AL (@DADDR) (ERM100)	BYTE	DISPLACEMENT	TO	MSG
00CA	11C4			00CB	110	DC	AL (@DADDR) (ERM101)	BYTE	DISPLACEMENT	TO	MSG
00CC	11DC			00CD	111	DC	AL (@DADDR) (ERM102)	BYTE	DISPLACEMENT	TO	MSG
00CE	1201			00CF	112	DC	AL (@DADDR) (ERM103)	BYTE	DISPLACEMENT	TO	MSG
00D0	1219			00D1	113	DC	AL (@DADDR) (ERM104)	BYTE	DISPLACEMENT	TO	MSG

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	4
00D2	1231			00D3	114	DC	AL (@DADDR) (ERM105)	BYTE	DISPLACEMENT	TO	MSG
00D4	124D			00D5	115	DC	AL (@DADDR) (ERM106)	BYTE	DISPLACEMENT	TO	MSG
00D6	1283			00D7	116	DC	AL (@DADDR) (ERM107)	BYTE	DISPLACEMENT	TO	MSG
00D8	12A9			00D9	117	DC	AL (@DADDR) (ERM108)	BYTE	DISPLACEMENT	TO	MSG
00DA	12C1			00DB	118	DC	AL (@DADDR) (ERM109)	BYTE	DISPLACEMENT	TO	MSG
00DC	12EC			00DD	119	DC	AL (@DADDR) (ERM110)	BYTE	DISPLACEMENT	TO	MSG
00DE	1310			00DF	120	DC	AL (@DADDR) (ERM111)	BYTE	DISPLACEMENT	TO	MSG
00E0	133F			00E1	121	DC	AL (@DADDR) (ERM112)	BYTE	DISPLACEMENT	TO	MSG
00E2	135F			00E3	122	DC	AL (@DADDR) (ERM113)	BYTE	DISPLACEMENT	TO	MSG
00E4	137B			00E5	123	DC	AL (@DADDR) (ERM114)	BYTE	DISPLACEMENT	TO	MSG
00E6	13A9			00E7	124	DC	AL (@DADDR) (ERM115)	BYTE	DISPLACEMENT	TO	MSG
00E8	13C2			00E9	125	DC	AL (@DADDR) (ERM116)	BYTE	DISPLACEMENT	TO	MSG
00EA	13DC			00EB	126	DC	AL (@DADDR) (ERM117)	BYTE	DISPLACEMENT	TO	MSG
00EC	13FA			00ED	127	DC	AL (@DADDR) (ERM118)	BYTE	DISPLACEMENT	TO	MSG
00EE	1419			00EF	128	DC	AL (@DADDR) (ERM119)	BYTE	DISPLACEMENT	TO	MSG
00F0	1431			00F1	129	DC	AL (@DADDR) (ERM120)	BYTE	DISPLACEMENT	TO	MSG
00F2	145C			00F3	130	DC	AL (@DADDR) (ERM121)	BYTE	DISPLACEMENT	TO	MSG
00F4	1469			00F5	131	DC	AL (@DADDR) (ERM122)	BYTE	DISPLACEMENT	TO	MSG
00F6	149F			00F7	132	DC	AL (@DADDR) (ERM123)	BYTE	DISPLACEMENT	TO	MSG
00F8	14D0			00F9	133	DC	AL (@DADDR) (ERM124)	BYTE	DISPLACEMENT	TO	MSG
00FA	14E6			00FB	134	DC	AL (@DADDR) (ERM125)	BYTE	DISPLACEMENT	TO	MSG
00FC	151A			00FD	135	DC	AL (@DADDR) (ERM126)	BYTE	DISPLACEMENT	TO	MSG
00FE	1548			00FF	136	DC	AL (@DADDR) (ERM127)	BYTE	DISPLACEMENT	TO	MSG
0100	1573			0101	137	DC	AL (@DADDR) (ERM128)	BYTE	DISPLACEMENT	TO	MSG
0102	1594			0103	138	DC	AL (@DADDR) (ERM129)	BYTE	DISPLACEMENT	TO	MSG
0104	15AE			0105	139	DC	AL (@DADDR) (ERM130)	BYTE	DISPLACEMENT	TO	MSG
0106	15CD			0107	140	DC	AL (@DADDR) (ERM131)	BYTE	DISPLACEMENT	TO	MSG
0108	15E3			0109	141	DC	AL (@DADDR) (ERM132)	BYTE	DISPLACEMENT	TO	MSG
010A	15FC			010B	142	DC	AL (@DADDR) (ERM133)	BYTE	DISPLACEMENT	TO	MSG
010C	161E			010D	143	DC	AL (@DADDR) (ERM134)	BYTE	DISPLACEMENT	TO	MSG
010E	1641			010F	144	DC	AL (@DADDR) (ERM135)	BYTE	DISPLACEMENT	TO	MSG
0110	1669			0111	145	DC	AL (@DADDR) (ERM136)	BYTE	DISPLACEMENT	TO	MSG
0112	167F			0113	146	DC	AL (@DADDR) (ERM137)	BYTE	DISPLACEMENT	TO	MSG
0114	16B5			0115	147	DC	AL (@DADDR) (ERM138)	BYTE	DISPLACEMENT	TO	MSG
0116	16E9			0117	148	DC	AL (@DADDR) (ERM139)	BYTE	DISPLACEMENT	TO	MSG
0118	170C			0119	149	DC	AL (@DADDR) (ERM140)	BYTE	DISPLACEMENT	TO	MSG
011A	172F			011B	150	DC	AL (@DADDR) (ERM141)	BYTE	DISPLACEMENT	TO	MSG
011C	1751			011D	151	DC	AL (@DADDR) (ERM142)	BYTE	DISPLACEMENT	TO	MSG
011E	1778			011F	152	DC	AL (@DADDR) (ERM143)	BYTE	DISPLACEMENT	TO	MSG
0120	17A3			0121	153	DC	AL (@DADDR) (ERM144)	BYTE	DISPLACEMENT	TO	MSG
0122	17D9			0123	154	DC	AL (@DADDR) (ERM145)	BYTE	DISPLACEMENT	TO	MSG
0124	17F1			0125	155	DC	AL (@DADDR) (ERM146)	BYTE	DISPLACEMENT	TO	MSG
0126	1809			0127	156	DC	AL (@DADDR) (ERM147)	BYTE	DISPLACEMENT	TO	MSG
0128	1821			0129	157	DC	AL (@DADDR) (ERM148)	BYTE	DISPLACEMENT	TO	MSG
012A	1839			012B	158	DC	AL (@DADDR) (ERM149)	BYTE	DISPLACEMENT	TO	MSG
012C	1861			012D	159	DC	AL (@DADDR) (ERM150)	BYTE	DISPLACEMENT	TO	MSG
012E	1897			012F	160	DC	AL (@DADDR) (ERM151)	BYTE	DISPLACEMENT	TO	MSG
0130	18BC			0131	161	DC	AL (@DADDR) (ERM152)	BYTE	DISPLACEMENT	TO	MSG
0132	18E2			0133	162	DC	AL (@DADDR) (ERM153)	BYTE	DISPLACEMENT	TO	MSG
0134	1916			0135	163	DC	AL (@DADDR) (ERM154)	BYTE	DISPLACEMENT	TO	MSG
0136	194A			0137	164	DC	AL (@DADDR) (ERM155)	BYTE	DISPLACEMENT	TO	MSG
0138	197C			0139	165	DC	AL (@DADDR) (ERM156)	BYTE	DISPLACEMENT	TO	MSG
013A	19A9			013B	166	DC	AL (@DADDR) (ERM157)	BYTE	DISPLACEMENT	TO	MSG
013C	19DF			013D	167	DC	AL (@DADDR) (ERM158)	BYTE	DISPLACEMENT	TO	MSG
013E	1A10			013F	168	DC	AL (@DADDR) (ERM159)	BYTE	DISPLACEMENT	TO	MSG
0140	1A3C			0141	169	DC	AL (@DADDR) (ERM160)	BYTE	DISPLACEMENT	TO	MSG

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	5
0142	1A62			0143	170	DC	AL (@DADDR) (ERM161)	BYTE	DISPLACEMENT	TO	MSG
0144	1A82			0145	171	DC	AL (@DADDR) (ERM162)	BYTE	DISPLACEMENT	TO	MSG
0146	1AA2			0147	172	DC	AL (@DADDR) (ERM163)	BYTE	DISPLACEMENT	TO	MSG
0148	1AD1			0149	173	DC	AL (@DADDR) (ERM164)	BYTE	DISPLACEMENT	TO	MSG
014A	1B07			014B	174	DC	AL (@DADDR) (ERM165)	BYTE	DISPLACEMENT	TO	MSG
014C	1B3B			014D	175	DC	AL (@DADDR) (ERM166)	BYTE	DISPLACEMENT	TO	MSG
014E	1B60			014F	176	DC	AL (@DADDR) (ERM167)	BYTE	DISPLACEMENT	TO	MSG
0150	1B8C			0151	177	DC	AL (@DADDR) (ERM168)	BYTE	DISPLACEMENT	TO	MSG
0152	1BAB			0153	178	DC	AL (@DADDR) (ERM169)	BYTE	DISPLACEMENT	TO	MSG
0154	1BCA			0155	179	DC	AL (@DADDR) (ERM170)	BYTE	DISPLACEMENT	TO	MSG
0156	1BF3			0157	180	DC	AL (@DADDR) (ERM171)	BYTE	DISPLACEMENT	TO	MSG
0158	1C17			0159	181	DC	AL (@DADDR) (ERM172)	BYTE	DISPLACEMENT	TO	MSG
015A	1C38			015B	182	DC	AL (@DADDR) (ERM173)	BYTE	DISPLACEMENT	TO	MSG
015C	1C5F			015D	183	DC	AL (@DADDR) (ERM174)	BYTE	DISPLACEMENT	TO	MSG
015E	1C7D			015F	184	DC	AL (@DADDR) (ERM175)	BYTE	DISPLACEMENT	TO	MSG
0160	1C9B			0161	185	DC	AL (@DADDR) (ERM176)	BYTE	DISPLACEMENT	TO	MSG
0162	1CB6			0163	186	DC	AL (@DADDR) (ERM177)	BYTE	DISPLACEMENT	TO	MSG
0164	1CD9			0165	187	DC	AL (@DADDR) (ERM178)	BYTE	DISPLACEMENT	TO	MSG
0166	1D07			0167	188	DC	AL (@DADDR) (ERM179)	BYTE	DISPLACEMENT	TO	MSG
0168	1D29			0169	189	DC	AL (@DADDR) (ERM180)	BYTE	DISPLACEMENT	TO	MSG
016A	1D50			016B	190	DC	AL (@DADDR) (ERM181)	BYTE	DISPLACEMENT	TO	MSG
016C	1D79			016D	191	DC	AL (@DADDR) (ERM182)	BYTE	DISPLACEMENT	TO	MSG
016E	1D98			016F	192	DC	AL (@DADDR) (ERM183)	BYTE	DISPLACEMENT	TO	MSG
0170	1DBE			0171	193	DC	AL (@DADDR) (ERM184)	BYTE	DISPLACEMENT	TO	MSG
0172	1DE0			0173	194	DC	AL (@DADDR) (ERM185)	BYTE	DISPLACEMENT	TO	MSG
0174	1DFF			0175	195	DC	AL (@DADDR) (ERM186)	BYTE	DISPLACEMENT	TO	MSG
0176	1E17			0177	196	DC	AL (@DADDR) (ERM187)	BYTE	DISPLACEMENT	TO	MSG
0178	1E3E			0179	197	DC	AL (@DADDR) (ERM188)	BYTE	DISPLACEMENT	TO	MSG
017A	1E60			017B	198	DC	AL (@DADDR) (ERM189)	BYTE	DISPLACEMENT	TO	MSG
017C	1E84			017D	199	DC	AL (@DADDR) (ERM190)	BYTE	DISPLACEMENT	TO	MSG
017E	1EA5			017F	200	DC	AL (@DADDR) (ERM191)	BYTE	DISPLACEMENT	TO	MSG
0180	1EC3			0181	201	DC	AL (@DADDR) (ERM192)	BYTE	DISPLACEMENT	TO	MSG
0182	1EE3			0183	202	DC	AL (@DADDR) (ERM193)	BYTE	DISPLACEMENT	TO	MSG
0184	1F0A			0185	203	DC	AL (@DADDR) (ERM194)	BYTE	DISPLACEMENT	TO	MSG
0186	1F2F			0187	204	DC	AL (@DADDR) (ERM195)	BYTE	DISPLACEMENT	TO	MSG
0188	1F5B			0189	205	DC	AL (@DADDR) (ERM196)	BYTE	DISPLACEMENT	TO	MSG
018A	1F7A			018B	206	DC	AL (@DADDR) (ERM197)	BYTE	DISPLACEMENT	TO	MSG
018C	1F9A			018D	207	DC	AL (@DADDR) (ERM198)	BYTE	DISPLACEMENT	TO	MSG
018E	1FBA			018F	208	DC	AL (@DADDR) (ERM199)	BYTE	DISPLACEMENT	TO	MSG
				209	*						
0190	1FDF			0191	210	DC	AL (@DADDR) (ERM200)	BYTE	DISPLACEMENT	TO	MSG
0192	2005			0193	211	DC	AL (@DADDR) (ERM201)	BYTE	DISPLACEMENT	TO	MSG
0194	202A			0195	212	DC	AL (@DADDR) (ERM202)	BYTE	DISPLACEMENT	TO	MSG
0196	2051			0197	213	DC	AL (@DADDR) (ERM203)	BYTE	DISPLACEMENT	TO	MSG
0198	207F			0199	214	DC	AL (@DADDR) (ERM204)	BYTE	DISPLACEMENT	TO	MSG
019A	20A8			019B	215	DC	AL (@DADDR) (ERM205)	BYTE	DISPLACEMENT	TO	MSG
019C	20CA			019D	216	DC	AL (@DADDR) (ERM206)	BYTE	DISPLACEMENT	TO	MSG
019E	20F6			019F	217	DC	AL (@DADDR) (ERM207)	BYTE	DISPLACEMENT	TO	MSG
01A0	2120			01A1	218	DC	AL (@DADDR) (ERM208)	BYTE	DISPLACEMENT	TO	MSG
01A2	214C			01A3	219	DC	AL (@DADDR) (ERM209)	BYTE	DISPLACEMENT	TO	MSG
01A4	2173			01A5	220	DC	AL (@DADDR) (ERM210)	BYTE	DISPLACEMENT	TO	MSG
01A6	21A1			01A7	221	DC	AL (@DADDR) (ERM211)	BYTE	DISPLACEMENT	TO	MSG
01A8	21CF			01A9	222	DC	AL (@DADDR) (ERM212)	BYTE	DISPLACEMENT	TO	MSG
01AA	21E9			01AB	223	DC	AL (@DADDR) (ERM213)	BYTE	DISPLACEMENT	TO	MSG
01AC	2207			01AD	224	DC	AL (@DADDR) (ERM214)	BYTE	DISPLACEMENT	TO	MSG
01AE	222E			01AF	225	DC	AL (@DADDR) (ERM215)	BYTE	DISPLACEMENT	TO	MSG

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	6
01B0	2243			01B1	226	DC	AL (@DADDR) (ERM216)	BYTE	DISPLACEMENT	TO	MSG
01B2	226E			01B3	227	DC	AL (@DADDR) (ERM217)	BYTE	DISPLACEMENT	TO	MSG
01B4	228D			01B5	228	DC	AL (@DADDR) (ERM218)	BYTE	DISPLACEMENT	TO	MSG
01B6	22AC			01B7	229	DC	AL (@DADDR) (ERM219)	BYTE	DISPLACEMENT	TO	MSG
01B8	22CB			01B9	230	DC	AL (@DADDR) (ERM220)	BYTE	DISPLACEMENT	TO	MSG
01BA	22EA			01BB	231	DC	AL (@DADDR) (ERM221)	BYTE	DISPLACEMENT	TO	MSG
01BC	2309			01BD	232	DC	AL (@DADDR) (ERM222)	BYTE	DISPLACEMENT	TO	MSG
01BE	2328			01BF	233	DC	AL (@DADDR) (ERM223)	BYTE	DISPLACEMENT	TO	MSG
01C0	2340			01C1	234	DC	AL (@DADDR) (ERM224)	BYTE	DISPLACEMENT	TO	MSG
01C2	2360			01C3	235	DC	AL (@DADDR) (ERM225)	BYTE	DISPLACEMENT	TO	MSG
01C4	2382			01C5	236	DC	AL (@DADDR) (ERM226)	BYTE	DISPLACEMENT	TO	MSG
01C6	23A9			01C7	237	DC	AL (@DADDR) (ERM227)	BYTE	DISPLACEMENT	TO	MSG
01C8	23D0			01C9	238	DC	AL (@DADDR) (ERM228)	BYTE	DISPLACEMENT	TO	MSG
01CA	23F7			01CB	239	DC	AL (@DADDR) (ERM229)	BYTE	DISPLACEMENT	TO	MSG
01CC	241F			01CD	240	DC	AL (@DADDR) (ERM230)	BYTE	DISPLACEMENT	TO	MSG
01CE	2447			01CF	241	DC	AL (@DADDR) (ERM231)	BYTE	DISPLACEMENT	TO	MSG
01D0	246F			01D1	242	DC	AL (@DADDR) (ERM232)	BYTE	DISPLACEMENT	TO	MSG
01D2	249B			01D3	243	DC	AL (@DADDR) (ERM233)	BYTE	DISPLACEMENT	TO	MSG
01D4	24C7			01D5	244	DC	AL (@DADDR) (ERM234)	BYTE	DISPLACEMENT	TO	MSG
01D6	24E7			01D7	245	DC	AL (@DADDR) (ERM235)	BYTE	DISPLACEMENT	TO	MSG
01D8	2507			01D9	246	DC	AL (@DADDR) (ERM236)	BYTE	DISPLACEMENT	TO	MSG
01DA	251B			01DB	247	DC	AL (@DADDR) (ERM237)	BYTE	DISPLACEMENT	TO	MSG
01DC	2542			01DD	248	DC	AL (@DADDR) (ERM238)	BYTE	DISPLACEMENT	TO	MSG
01DE	2567			01DF	249	DC	AL (@DADDR) (ERM239)	BYTE	DISPLACEMENT	TO	MSG
01E0	2586			01E1	250	DC	AL (@DADDR) (ERM240)	BYTE	DISPLACEMENT	TO	MSG
01E2	25A5			01E3	251	DC	AL (@DADDR) (ERM241)	BYTE	DISPLACEMENT	TO	MSG
01E4	25C4			01E5	252	DC	AL (@DADDR) (ERM242)	BYTE	DISPLACEMENT	TO	MSG
01E6	25E3			01E7	253	DC	AL (@DADDR) (ERM243)	BYTE	DISPLACEMENT	TO	MSG
01E8	2602			01E9	254	DC	AL (@DADDR) (ERM244)	BYTE	DISPLACEMENT	TO	MSG
01EA	2621			01EB	255	DC	AL (@DADDR) (ERM245)	BYTE	DISPLACEMENT	TO	MSG
01EC	2647			01ED	256	DC	AL (@DADDR) (ERM246)	BYTE	DISPLACEMENT	TO	MSG
01EE	2665			01EF	257	DC	AL (@DADDR) (ERM247)	BYTE	DISPLACEMENT	TO	MSG
01F0	267E			01F1	258	DC	AL (@DADDR) (ERM248)	BYTE	DISPLACEMENT	TO	MSG
01F2	269C			01F3	259	DC	AL (@DADDR) (ERM249)	BYTE	DISPLACEMENT	TO	MSG
01F4	26C3			01F5	260	DC	AL (@DADDR) (ERM250)	BYTE	DISPLACEMENT	TO	MSG
01F6	26F0			01F7	261	DC	AL (@DADDR) (ERM251)	BYTE	DISPLACEMENT	TO	MSG

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##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	7
					264	*	PATCH ,1				
					265	*****					
					266	*	PATCH AREA 1				*
					267	*****					
					268	*					
					269	*	CALCULATE AREA LEFT IN THIS SECTOR				
					270	*					
0200				01F8	271	\$\$\$\$L1 EQU *	START OF PATCH AREA 1				
					272	ORG *,256,0	SET LOC CNTR TO NEXT SECTOR				
				0200	273	\$\$\$\$T1 EQU *	DEFINE ADDR OF SCTR WRY				
01F8					274	ORG \$\$\$\$L1	SET LOC CNTR TO START OF				
					275	*	* PATCH AREA				
01F8				01FF	276	\$\$\$\$\$1 DS CL(\$\$\$\$T1-\$\$\$\$L1)	PATCH AREA				
					277	*****					
					278	*** END OF EXPANSION ***					
0200	2705			0201	279	DC AL(@DADDR)(ERMS00)	BYTE DISPLACEMENT TO MSG				
0202	2728			0203	280	DC AL(@DADDR)(ERMS01)	BYTE DISPLACEMENT TO MSG				
0204	2744			0205	281	DC AL(@DADDR)(ERMS02)	BYTE DISPLACEMENT TO MSG				
0206	2777			0207	282	DC AL(@DADDR)(ERMS03)	BYTE DISPLACEMENT TO MSG				
0208	27A6			0209	283	DC AL(@DADDR)(ERMS04)	BYTE DISPLACEMENT TO MSG				
020A	27CC			020B	284	DC AL(@DADDR)(ERMS05)	BYTE DISPLACEMENT TO MSG				
020C	27F6			020D	285	DC AL(@DADDR)(ERMS06)	BYTE DISPLACEMENT TO MSG				
020E	2829			020F	286	DC AL(@DADDR)(ERMS07)	BYTE DISPLACEMENT TO MSG				
0210	284F			0211	287	DC AL(@DADDR)(ERMS08)	BYTE DISPLACEMENT TO MSG				
0212	286E			0213	288	DC AL(@DADDR)(ERMS09)	BYTE DISPLACEMENT TO MSG				
0214	2705			0215	289	DC AL(@DADDR)(ERMS00)	BYTE DISPLACEMENT TO MSG				
0216	28A8			0217	290	DC AL(@DADDR)(ERMS11)	BYTE DISPLACEMENT TO MSG				
0218	28CB			0219	291	DC AL(@DADDR)(ERMS12)	BYTE DISPLACEMENT TO MSG				
021A	28E9			021B	292	DC AL(@DADDR)(ERMS13)	BYTE DISPLACEMENT TO MSG				
021C	290F			021D	293	DC AL(@DADDR)(ERMS14)	BYTE DISPLACEMENT TO MSG				
021E	2923			021F	294	DC AL(@DADDR)(ERMS15)	BYTE DISPLACEMENT TO MSG				
0220	2943			0221	295	DC AL(@DADDR)(ERMS16)	BYTE DISPLACEMENT TO MSG				
0222	2971			0223	296	DC AL(@DADDR)(ERMS17)	BYTE DISPLACEMENT TO MSG				
0224	29A7			0225	297	DC AL(@DADDR)(ERMS18)	BYTE DISPLACEMENT TO MSG				
0226	29BB			0227	298	DC AL(@DADDR)(ERMS19)	BYTE DISPLACEMENT TO MSG				
0228	29D5			0229	299	DC AL(@DADDR)(ERMS20)	BYTE DISPLACEMENT TO MSG				
022A	29F2			022B	300	DC AL(@DADDR)(ERMS21)	BYTE DISPLACEMENT TO MSG				
022C	2A16			022D	301	DC AL(@DADDR)(ERMS22)	BYTE DISPLACEMENT TO MSG				
022E	2A33			022F	302	DC AL(@DADDR)(ERMS23)	BYTE DISPLACEMENT TO MSG				
0230	2A60			0231	303	DC AL(@DADDR)(ERMS24)	BYTE DISPLACEMENT TO MSG				
0232	2A88			0233	304	DC AL(@DADDR)(ERMS25)	BYTE DISPLACEMENT TO MSG				
0234	2AB0			0235	305	DC AL(@DADDR)(ERMS26)	BYTE DISPLACEMENT TO MSG				
0236	2AD1			0237	306	DC AL(@DADDR)(ERMS27)	BYTE DISPLACEMENT TO MSG				
0238	2AFE			0239	307	DC AL(@DADDR)(ERMS28)	BYTE DISPLACEMENT TO MSG				
023A	2B23			023B	308	DC AL(@DADDR)(ERMS29)	BYTE DISPLACEMENT TO MSG				
023C	2B54			023D	309	DC AL(@DADDR)(ERMS30)	BYTE DISPLACEMENT TO MSG				
023E	2B7F			023F	310	DC AL(@DADDR)(ERMS31)	BYTE DISPLACEMENT TO MSG				
0240	2BB4			0241	311	DC AL(@DADDR)(ERMS32)	BYTE DISPLACEMENT TO MSG				
0242	2BE7			0243	312	DC AL(@DADDR)(ERMS33)	BYTE DISPLACEMENT TO MSG				
0244	2C07			0245	313	DC AL(@DADDR)(ERMS34)	BYTE DISPLACEMENT TO MSG				
0246	2C1F			0247	314	DC AL(@DADDR)(ERMS35)	BYTE DISPLACEMENT TO MSG				
0248	2C34			0249	315	DC AL(@DADDR)(ERMS36)	BYTE DISPLACEMENT TO MSG				
024A	2C68			024B	316	DC AL(@DADDR)(ERMS37)	BYTE DISPLACEMENT TO MSG				
024C	2C9C			024D	317	DC AL(@DADDR)(ERMS38)	BYTE DISPLACEMENT TO MSG				
024E	2CB5			024F	318	DC AL(@DADDR)(ERMS39)	BYTE DISPLACEMENT TO MSG				
0250	2CDA			0251	319	DC AL(@DADDR)(ERMS40)	BYTE DISPLACEMENT TO MSG				

##ERMS - ERROR MESSAGES

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT		
0252	2CFE			0253	320	DC	AL (@DADDR) (ERMS41)	BYTE	DISPLACEMENT TO MSG
0254	2D34			0255	321	DC	AL (@DADDR) (ERMS42)	BYTE	DISPLACEMENT TO MSG
0256	2D4E			0257	322	DC	AL (@DADDR) (ERMS43)	BYTE	DISPLACEMENT TO MSG

##ERMS - ERROR MESSAGES

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	VER 15, MOD 00 16/05/20 PAGE 9
			324 *	PATCH ,2	
			325	*****	
			326 *	PATCH AREA 2	*
			327	*****	
			328 *		
			329 *	CALCULATE AREA LEFT IN THIS SECTOR	
			330 *		
0300		0258	331 \$\$\$L2 EQU *	START OF PATCH AREA 1	
			332 ORG *,256,0	SET LOC CNTR TO NEXT SECTOR	
		0300	333 \$\$\$T2 EQU *	DEFINE ADDR OF SCTR WRY	
0258			334 ORG \$\$\$L2	SET LOC CNTR TO START OF	
			335 *	* PATCH AREA	
0258		02FF	336 \$\$\$S2 DS CL(\$\$\$T2-\$\$\$L2)	PATCH AREA	
			337	*****	
			338 ***	END OF EXPANSION ***	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 10
					340		*****	
					341	*	ERROR MESSAGES	*
					342		*****	
					344	*	\$MSG SEQNR-000,ERRNR-100,CNT-30,	X
					345	*	TXT-'FIRST CHARACTER NOT ALPHABETIC'	
				0300	346+ERM000	EQU	* ADDRESS OF MESSAGE	
0300	F1F0F0			0302	347+	DC	CL(ERMLDN)'100'	ERROR NUMBER
0303	1F			0303	348+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE
0304	C6C9D9E2E340C3C8			0321	349+	DC	CL30'FIRST CHARACTER NOT ALPHABETIC'	
030C	C1D9C1C3E3C5D940				349+			
0314	D5D6E340C1D3D7C8				349+			
031C	C1C2C5E3C9C3				349+			
					350+***		END OF EXPANSION ***	
					352	*	\$MSG SEQNR-001,ERRNR-101,CNT-42,	X
					353	*	TXT-'FIRST CHARACTER NOT <ALPHAMERIC CHARACTER>'	
				0322	354+ERM001	EQU	* ADDRESS OF MESSAGE	
0322	F1F0F1			0324	355+	DC	CL(ERMLDN)'101'	ERROR NUMBER
0325	2B			0325	356+	DC	AL(ERMLCT)(42+ERMLCT)	COUNT OF MESSAGE
0326	C6C9D9E2E340C3C8			034F	357+	DC	CL42'FIRST CHARACTER NOT <ALPHAMERIC CHARACTER>'	
032E	C1D9C1C3E3C5D940				357+			
0336	D5D6E3404CC1D3D7				357+			
033E	C8C1D4C5D9C9C340				357+			
0346	C3C8C1D9C1C3E3C5				357+			
034E	D96E				357+			
					358+***		END OF EXPANSION ***	
					360	*	\$MSG SEQNR-002,ERRNR-102,CNT-45,	X
					361	*	TXT-'PASSWORD OR FILENAME LONGER THAN 8 CHARACTERS'	
				0350	362+ERM002	EQU	* ADDRESS OF MESSAGE	
0350	F1F0F2			0352	363+	DC	CL(ERMLDN)'102'	ERROR NUMBER
0353	2E			0353	364+	DC	AL(ERMLCT)(45+ERMLCT)	COUNT OF MESSAGE
0354	D7C1E2E2E6D6D9C4			0380	365+	DC	CL45'PASSWORD OR FILENAME LONGER THAN 8 CHARACTERS'	
035C	40D6D940C6C9D3C5				365+			
0364	D5C1D4C540D3D6D5				365+			
036C	C7C5D940E3C8C1D5				365+			
0374	40F840C3C8C1D9C1				365+			
037C	C3E3C5D9E2				365+			
					366+***		END OF EXPANSION ***	
					368	*	\$MSG SEQNR-003,ERRNR-103,CNT-37,	X
					369	*	TXT-'<DISK LABEL> LONGER THAN 6 CHARACTERS'	
				0381	370+ERM003	EQU	* ADDRESS OF MESSAGE	
0381	F1F0F3			0383	371+	DC	CL(ERMLDN)'103'	ERROR NUMBER
0384	26			0384	372+	DC	AL(ERMLCT)(37+ERMLCT)	COUNT OF MESSAGE
0385	4CC4C9E2D240D3C1			03A9	373+	DC	CL37'<DISK LABEL> LONGER THAN 6 CHARACTERS'	
038D	C2C5D36E40D3D6D5				373+			
0395	C7C5D940E3C8C1D5				373+			
039D	40F640C3C8C1D9C1				373+			
03A5	C3E3C5D9E2				373+			
					374+***		END OF EXPANSION ***	
					376	*	\$MSG SEQNR-004,ERRNR-110,CNT-25,	X
					377	*	TXT-'COMMA FOLLOWED BY NOTHING'	
				03AA	378+ERM004	EQU	* ADDRESS OF MESSAGE	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	11
03AA	F1F1F0			03AC	379+	DC	CL(ERMLDN)'110'			ERROR NUMBER	
03AD	1A			03AD	380+	DC	AL(ERMLCT)(25+ERMLCT)			COUNT OF MESSAGE	
03AE	C3D6D4D4C140C6D6			03C6	381+	DC	CL25'COMMA FOLLOWED BY NOTHING'				
03B6	D3D3D6E6C5C440C2				381+						
03BE	E840D5D6E3C8C9D5				381+						
03C6	C7				381+						
					382+***		END OF EXPANSION ***				
					384 *	\$MSG	SEQNR-005,ERRNR-112,CNT-47,			X	
					385 *		TXT- '<ARITHMETIC CONSTANT> CONTAINS 2 DECIMAL POINTS'				
				03C7	386+ERM005	EQU	*			ADDRESS OF MESSAGE	
03C7	F1F1F2			03C9	387+	DC	CL(ERMLDN)'112'			ERROR NUMBER	
03CA	30			03CA	388+	DC	AL(ERMLCT)(47+ERMLCT)			COUNT OF MESSAGE	
03CB	4CC1D9C9E3C8D4C5			03F9	389+	DC	CL47'<ARITHMETIC CONSTANT> CONTAINS 2 DECIMAL POINTS'				
03D3	E3C9C340C3D6D5E2				389+						
03DB	E3C1D5E36E40C3D6				389+						
03E3	D5E3C1C9D5E240F2				389+						
03EB	40C4C5C3C9D4C1D3				389+						
03F3	40D7D6C9D5E3E2				389+						
					390+***		END OF EXPANSION ***				
					392 *	\$MSG	SEQNR-006,ERRNR-113,CNT-43,			X	
					393 *		TXT- '<DECIMAL POINT WITHOUT <ARITHMETIC CONSTANT>'				
				03FA	394+ERM006	EQU	*			ADDRESS OF MESSAGE	
03FA	F1F1F3			03FC	395+	DC	CL(ERMLDN)'113'			ERROR NUMBER	
03FD	2C			03FD	396+	DC	AL(ERMLCT)(43+ERMLCT)			COUNT OF MESSAGE	
03FE	4CC4C5C3C9D4C1D3			0428	397+	DC	CL43'<DECIMAL POINT WITHOUT <ARITHMETIC CONSTANT>'				
0406	40D7D6C9D5E340E6				397+						
040E	C9E3C8D6E4E3404C				397+						
0416	C1D9C9E3C8D4C5E3				397+						
041E	C9C340C3D6D5E2E3				397+						
0426	C1D5E3				397+						
					398+***		END OF EXPANSION ***				
					400 *	\$MSG	SEQNR-007,ERRNR-114,CNT-31,			X	
					401 *		TXT- 'INCOMPLETE <CHARACTER CONSTANT>'				
				0429	402+ERM007	EQU	*			ADDRESS OF MESSAGE	
0429	F1F1F4			042B	403+	DC	CL(ERMLDN)'114'			ERROR NUMBER	
042C	20			042C	404+	DC	AL(ERMLCT)(31+ERMLCT)			COUNT OF MESSAGE	
042D	C9D5C3D6D4D7D3C5			044B	405+	DC	CL31'INCOMPLETE <CHARACTER CONSTANT>'				
0435	E3C5404CC3C8C1D9				405+						
043D	C1C3E3C5D940C3D6				405+						
0445	D5E2E3C1D5E36E				405+						
					406+***		END OF EXPANSION ***				
					408 *	\$MSG	SEQNR-008,ERRNR-115,CNT-25,			X	
					409 *		TXT- 'INVALID <SYSTEM CONSTANT>'				
				044C	410+ERM008	EQU	*			ADDRESS OF MESSAGE	
044C	F1F1F5			044E	411+	DC	CL(ERMLDN)'115'			ERROR NUMBER	
044F	1A			044F	412+	DC	AL(ERMLCT)(25+ERMLCT)			COUNT OF MESSAGE	
0450	C9D5E5C1D3C9C440			0468	413+	DC	CL25'INVALID <SYSTEM CONSTANT>'				
0458	4CE2E8E2E3C5D440				413+						
0460	C3D6D5E2E3C1D5E3				413+						
0468	6E				413+						
					414+***		END OF EXPANSION ***				

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 12
					416 *	\$MSG	SEQNR-009,ERRNR-116,CNT-49,	X
					417 *		TXT-'VARIABLE IS NOT FOLLOWED BY * COMMA OR EQUAL SIGN'	
				0469	418+ERM009	EQU	* ADDRESS OF MESSAGE	
0469	F1F1F6			046B	419+	DC	CL(ERMLDN)'116'	ERROR NUMBER
046C	32			046C	420+	DC	AL(ERMLCT)(49+ERMLCT)	COUNT OF MESSAGE
046D	E5C1D9C9C1C2D3C5			049D	421+	DC	CL49'VARIABLE IS NOT FOLLOWED BY * COMMA OR EQUAL SIGN'	
0475	40C9E240D5D6E340				421+			
047D	C6D6D3D3D6E6C5C4				421+			
0485	40C2E8405C40C3D6				421+			
048D	D4D4C140D6D940C5				421+			
0495	D8E4C1D340E2C9C7				421+			
049D	D5				421+			
					422+***		END OF EXPANSION ***	
					424 *	\$MSG	SEQNR-010,ERRNR-117,CNT-28,	X
					425 *		TXT-'INVALID EXPONENT IN CONSTANT'	
				049E	426+ERM010	EQU	* ADDRESS OF MESSAGE	
049E	F1F1F7			04A0	427+	DC	CL(ERMLDN)'117'	ERROR NUMBER
04A1	1D			04A1	428+	DC	AL(ERMLCT)(28+ERMLCT)	COUNT OF MESSAGE
04A2	C9D5E5C1D3C9C440			04BD	429+	DC	CL28'INVALID EXPONENT IN CONSTANT'	
04AA	C5E7D7D6D5C5D5E3				429+			
04B2	40C9D540C3D6D5E2				429+			
04BA	E3C1D5E3				429+			
					430+***		END OF EXPANSION ***	
					432 *	\$MSG	SEQNR-011,ERRNR-120,CNT-49,	X
					433 *		TXT-'NON-NUMERIC CHARACTER IN <LINE NUMBER, OR INTEGER'	
				04BE	434+ERM011	EQU	* ADDRESS OF MESSAGE	
04BE	F1F2F0			04C0	435+	DC	CL(ERMLDN)'120'	ERROR NUMBER
04C1	32			04C1	436+	DC	AL(ERMLCT)(49+ERMLCT)	COUNT OF MESSAGE
04C2	D5D6D560D5E4D4C5			04F2	437+	DC	CL49'NON-NUMERIC CHARACTER IN <LINE NUMBER, OR INTEGER'	
04CA	D9C9C340C3C8C1D9				437+			
04D2	C1C3E3C5D940C9D5				437+			
04DA	404CD3C9D5C540D5				437+			
04E2	E4D4C2C5D96B40D6				437+			
04EA	D940C9D5E3C5C7C5				437+			
04F2	D9				437+			
					438+***		END OF EXPANSION ***	
					440 *	\$MSG	SEQNR-012,ERRNR-122,CNT-46,	X
					441 *		TXT-'MORE THAN 4 DIGITS IN <LINE NUMBER, OR INTEGER'	
				04F3	442+ERM012	EQU	* ADDRESS OF MESSAGE	
04F3	F1F2F2			04F5	443+	DC	CL(ERMLDN)'122'	ERROR NUMBER
04F6	2F			04F6	444+	DC	AL(ERMLCT)(46+ERMLCT)	COUNT OF MESSAGE
04F7	D4D6D9C540E3C8C1			0524	445+	DC	CL46'MORE THAN 4 DIGITS IN <LINE NUMBER, OR INTEGER'	
04FF	D540F440C4C9C7C9				445+			
0507	E3E240C9D5404CD3				445+			
050F	C9D5C540D5E4D4C2				445+			
0517	C5D96B40D6D940C9				445+			
051F	D5E3C5C7C5D9				445+			
					446+***		END OF EXPANSION ***	
					448 *	\$MSG	SEQNR-013,ERRNR-123,CNT-29,	X
					449 *		TXT-'UNBALANCED LINE NUMBER SERIES'	
				0525	450+ERM013	EQU	* ADDRESS OF MESSAGE	
0525	F1F2F3			0527	451+	DC	CL(ERMLDN)'123'	ERROR NUMBER

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 13
0528	1E		0528	452+	DC	AL(ERMLCT)(29+ERMLCT) COUNT OF MESSAGE	
0529	E4D5C2C1D3C1D5C3		0545	453+	DC	CL29'UNBALANCED LINE NUMBER SERIES'	
0531	C5C440D3C9D5C540			453+			
0539	D5E4D4C2C5D940E2			453+			
0541	C5D9C9C5E2			453+			
				454+	***	END OF EXPANSION ***	
				456 *	\$MSG	SEQNR-014,ERRNR-124,CNT-50,	X
				457 *		TXT-'LINE NR IS NOT GREATER THAN PREVIOUS LINE NUMBER'	
			0546	458+ERM014	EQU	* ADDRESS OF MESSAGE	
0546	F1F2F4		0548	459+	DC	CL(ERMLDN)'124' ERROR NUMBER	
0549	33		0549	460+	DC	AL(ERMLCT)(50+ERMLCT) COUNT OF MESSAGE	
054A	D3C9D5C540D5D940		057B	461+	DC	CL50'LINE NR IS NOT GREATER THAN PREVIOUS LINE NUMBER'	
0552	C9E240D5D6E340C7			461+			
055A	D9C5C1E3C5D940E3			461+			
0562	C8C1D540D7D9C5E5			461+			
056A	C9D6E4E240D3C9D5			461+			
0572	C540D5E4D4C2C5D9			461+			
057A	4040			461+			
				462+	***	END OF EXPANSION ***	
				464 *	\$MSG	SEQNR-015,ERRNR-129,CNT-37,	X
				465 *		TXT-'PARAMETER FOUND WHERE NONE IS ALLOWED'	
			057C	466+ERM015	EQU	* ADDRESS OF MESSAGE	
057C	F1F2F9		057E	467+	DC	CL(ERMLDN)'129' ERROR NUMBER	
057F	26		057F	468+	DC	AL(ERMLCT)(37+ERMLCT) COUNT OF MESSAGE	
0580	D7C1D9C1D4C5E3C5		05A4	469+	DC	CL37'PARAMETER FOUND WHERE NONE IS ALLOWED'	
0588	D940C6D6E4D5C440			469+			
0590	E6C8C5D9C540D5D6			469+			
0598	D5C540C9E240C1D3			469+			
05A0	D3D6E6C5C4			469+			
				470+	***	END OF EXPANSION ***	
				472 *	\$MSG	SEQNR-016,ERRNR-130,CNT-26,	X
				473 *		TXT-'REQUIRED PARAMETER MISSING'	
			05A5	474+ERM016	EQU	* ADDRESS OF MESSAGE	
05A5	F1F3F0		05A7	475+	DC	CL(ERMLDN)'130' ERROR NUMBER	
05A8	1B		05A8	476+	DC	AL(ERMLCT)(26+ERMLCT) COUNT OF MESSAGE	
05A9	D9C5D8E4C9D9C5C4		05C2	477+	DC	CL26'REQUIRED PARAMETER MISSING'	
05B1	40D7C1D9C1D4C5E3			477+			
05B9	C5D940D4C9E2E2C9			477+			
05C1	D5C7			477+			
				478+	***	END OF EXPANSION ***	
				480 *	\$MSG	SEQNR-017,ERRNR-131,CNT-17,	X
				481 *		TXT-'INVALID PARAMETER'	
			05C3	482+ERM017	EQU	* ADDRESS OF MESSAGE	
05C3	F1F3F1		05C5	483+	DC	CL(ERMLDN)'131' ERROR NUMBER	
05C6	12		05C6	484+	DC	AL(ERMLCT)(17+ERMLCT) COUNT OF MESSAGE	
05C7	C9D5E5C1D3C9C440		05D7	485+	DC	CL17'INVALID PARAMETER'	
05CF	D7C1D9C1D4C5E3C5			485+			
05D7	D9			485+			
				486+	***	END OF EXPANSION ***	
				488 *	\$MSG	SEQNR-018,ERRNR-133,CNT-21,	X
				489 *		TXT-'TOO MANY <PARAMETERS>'	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 14
				05D8	490+	ERM018	EQU *			ADDRESS OF MESSAGE
05D8	F1F3F3			05DA	491+		DC CL(ERMLDN)'133'			ERROR NUMBER
05DB	16			05DB	492+		DC AL(ERMLCT)(21+ERMLCT)			COUNT OF MESSAGE
05DC	E3D6D640D4C1D5E8			05F0	493+		DC CL21'TOO MANY <PARAMETERS>'			
05E4	404CD7C1D9C1D4C5				493+					
05EC	E3C5D9E26E				493+					
					494+	***	END OF EXPANSION ***			
					496	*	\$MSG SEQNR-019,ERRNR-134,CNT-22,			X
					497	*	TXT-'DUPLICATE <PARAMETERS>'			
				05F1	498+	ERM019	EQU *			ADDRESS OF MESSAGE
05F1	F1F3F4			05F3	499+		DC CL(ERMLDN)'134'			ERROR NUMBER
05F4	17			05F4	500+		DC AL(ERMLCT)(22+ERMLCT)			COUNT OF MESSAGE
05F5	C4E4D7D3C9C3C1E3			060A	501+		DC CL22'DUPLICATE <PARAMETERS>'			
05FD	C5404CD7C1D9C1D4				501+					
0605	C5E3C5D9E26E				501+					
					502+	***	END OF EXPANSION ***			
					504	*	\$MSG SEQNR-020,ERRNR-135,CNT-39,			X
					505	*	TXT-'INVALID USE OF ONE OR TWO STAR FILENAME'			
				060B	506+	ERM020	EQU *			ADDRESS OF MESSAGE
060B	F1F3F5			060D	507+		DC CL(ERMLDN)'135'			ERROR NUMBER
060E	28			060E	508+		DC AL(ERMLCT)(39+ERMLCT)			COUNT OF MESSAGE
060F	C9D5E5C1D3C9C440			0635	509+		DC CL39'INVALID USE OF ONE OR TWO STAR FILENAME'			
0617	E4E2C540D6C640D6				509+					
061F	D5C540D6D940E3E6				509+					
0627	D640E2E3C1D940C6				509+					
062F	C9D3C5D5C1D4C5				509+					
					510+	***	END OF EXPANSION ***			
					512	*	\$MSG SEQNR-021,ERRNR-136,CNT-43,			X
					513	*	TXT-'INVALID COMBINATION OF KEYWORD <PARAMETERS>'			
				0636	514+	ERM021	EQU *			ADDRESS OF MESSAGE
0636	F1F3F6			0638	515+		DC CL(ERMLDN)'136'			ERROR NUMBER
0639	2C			0639	516+		DC AL(ERMLCT)(43+ERMLCT)			COUNT OF MESSAGE
063A	C9D5E5C1D3C9C440			0664	517+		DC CL43'INVALID COMBINATION OF KEYWORD <PARAMETERS>'			
0642	C3D6D4C2C9D5C1E3				517+					
064A	C9D6D540D6C640D2				517+					
0652	C5E8E6D6D9C4404C				517+					
065A	D7C1D9C1D4C5E3C5				517+					
0662	D9E26E				517+					
					518+	***	END OF EXPANSION ***			
					520	*	\$MSG SEQNR-022,ERRNR-137,CNT-31,			X
					521	*	TXT-'NO <LINE-NUMBER-LIST> SPECIFIED'			
				0665	522+	ERM022	EQU *			ADDRESS OF MESSAGE
0665	F1F3F7			0667	523+		DC CL(ERMLDN)'137'			ERROR NUMBER
0668	20			0668	524+		DC AL(ERMLCT)(31+ERMLCT)			COUNT OF MESSAGE
0669	D5D6404CD3C9D5C5			0687	525+		DC CL31'NO <LINE-NUMBER-LIST> SPECIFIED'			
0671	60D5E4D4C2C5D960				525+					
0679	D3C9E2E36E40E2D7				525+					
0681	C5C3C9C6C9C5C4				525+					
					526+	***	END OF EXPANSION ***			
					528	*	\$MSG SEQNR-023,ERRNR-138,CNT-41,			X
					529	*	TXT-'UNBALANCED QUOTES IN <CHARACTER CONSTANT>'			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 15
				0688	530+	ERM023	EQU *			ADDRESS OF MESSAGE
0688	F1F3F8			068A	531+		DC CL(ERMLDN)'138'			ERROR NUMBER
068B	2A			068B	532+		DC AL(ERMLCT)(41+ERMLCT)			COUNT OF MESSAGE
068C	E4D5C2C1D3C1D5C3	06B4		533+			DC CL41'UNBALANCED QUOTES IN <CHARACTER CONSTANT>'			
0694	C5C440D8E4D6E3C5			533+						
069C	E240C9D5404CC3C8			533+						
06A4	C1D9C1C3E3C5D940			533+						
06AC	C3D6D5E2E3C1D5E3			533+						
06B4	6E			533+						
				534+	***	END OF EXPANSION	***			
				536	*	\$MSG	SEQNR-024,ERRNR-139,CNT-19,			X
				537	*		TXT-'INVALID <DELIMITER>'			
				538+	ERM024	EQU *				ADDRESS OF MESSAGE
06B5	F1F3F9			06B7	539+		DC CL(ERMLDN)'139'			ERROR NUMBER
06B8	14			06B8	540+		DC AL(ERMLCT)(19+ERMLCT)			COUNT OF MESSAGE
06B9	C9D5E5C1D3C9C440	06CB		541+			DC CL19'INVALID <DELIMITER>'			
06C1	4CC4C5D3C9D4C9E3			541+						
06C9	C5D96E			541+						
				542+	***	END OF EXPANSION	***			
				544	*	\$MSG	SEQNR-025,ERRNR-142,CNT-31,			X
				545	*		TXT-'INCOMPLETE KEYWORD-MISSING DASH'			
				546+	ERM025	EQU *				ADDRESS OF MESSAGE
06CC	F1F4F2			06CE	547+		DC CL(ERMLDN)'142'			ERROR NUMBER
06CF	20			06CF	548+		DC AL(ERMLCT)(31+ERMLCT)			COUNT OF MESSAGE
06D0	C9D5C3D6D4D7D3C5	06EE		549+			DC CL31'INCOMPLETE KEYWORD-MISSING DASH'			
06D8	E3C540D2C5E8E6D6			549+						
06E0	D9C460D4C9E2E2C9			549+						
06E8	D5C740C4C1E2C8			549+						
				550+	***	END OF EXPANSION	***			
				552	*	\$MSG	SEQNR-026,ERRNR-143,CNT-42,			X
				553	*		TXT-'INVALID KEYWORD-SECOND WORD UNRECOGNIZABLE'			
				554+	ERM026	EQU *				ADDRESS OF MESSAGE
06EF	F1F4F3			06F1	555+		DC CL(ERMLDN)'143'			ERROR NUMBER
06F2	2B			06F2	556+		DC AL(ERMLCT)(42+ERMLCT)			COUNT OF MESSAGE
06F3	C9D5E5C1D3C9C440	071C		557+			DC CL42'INVALID KEYWORD-SECOND WORD UNRECOGNIZABLE'			
06FB	D2C5E8E6D6D9C460			557+						
0703	E2C5C3D6D5C440E6			557+						
070B	D6D9C440E4D5D9C5			557+						
0713	C3D6C7D5C9E9C1C2			557+						
071B	D3C5			557+						
				558+	***	END OF EXPANSION	***			
				560	*	\$MSG	SEQNR-027,ERRNR-150,CNT-22,			X
				561	*		TXT-'INVALID BASIC VARIABLE'			
				562+	ERM027	EQU *				ADDRESS OF MESSAGE
071D	F1F5F0			071F	563+		DC CL(ERMLDN)'150'			ERROR NUMBER
0720	17			0720	564+		DC AL(ERMLCT)(22+ERMLCT)			COUNT OF MESSAGE
0721	C9D5E5C1D3C9C440	0736		565+			DC CL22'INVALID BASIC VARIABLE'			
0729	C2C1E2C9C340E5C1			565+						
0731	D9C9C1C2D3C5			565+						
				566+	***	END OF EXPANSION	***			
				568	*	\$MSG	SEQNR-028,ERRNR-151,CNT-33,			X

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	16
					569	*	TXT-'VARIABLE SUBSCRIPT NOT AN INTEGER'				
				0737	570+	ERM028 EQU	* ADDRESS OF MESSAGE				
0737	F1F5F1			0739	571+	DC	CL(ERMLDN)'151'				
073A	22			073A	572+	DC	AL(ERMLCT)(33+ERMLCT)				
073B	E5C1D9C9C1C2D3C5			075B	573+	DC	CL33'VARIABLE SUBSCRIPT NOT AN INTEGER'				
0743	40E2E4C2E2C3D9C9				573+						
074B	D7E340D5D6E340C1				573+						
0753	D540C9D5E3C5C7C5				573+						
075B	D9				573+						
					574+	***	END OF EXPANSION ***				
					576	*	\$MSG SEQNR-029,ERRNR-160,CNT-29,				X
					577	*	TXT-'MIXED DATA TYPE IN ASSIGNMENT'				
				075C	578+	ERM029 EQU	* ADDRESS OF MESSAGE				
075C	F1F6F0			075E	579+	DC	CL(ERMLDN)'160'				
075F	1E			075F	580+	DC	AL(ERMLCT)(29+ERMLCT)				
0760	D4C9E7C5C440C4C1			077C	581+	DC	CL29'MIXED DATA TYPE IN ASSIGNMENT'				
0768	E3C140E3E8D7C540				581+						
0770	C9D540C1E2E2C9C7				581+						
0778	D5D4C5D5E3				581+						
					582+	***	END OF EXPANSION ***				
					584	*	\$MSG SEQNR-030,ERRNR-162,CNT-23,				X
					585	*	TXT-'UNBALANCED <LABEL-PAIR>'				
				077D	586+	ERM030 EQU	* ADDRESS OF MESSAGE				
077D	F1F6F2			077F	587+	DC	CL(ERMLDN)'162'				
0780	18			0780	588+	DC	AL(ERMLCT)(23+ERMLCT)				
0781	E4D5C2C1D3C1D5C3			0797	589+	DC	CL23'UNBALANCED <LABEL-PAIR>'				
0789	C5C4404CD3C1C2C5				589+						
0791	D360D7C1C9D96E				589+						
					590+	***	END OF EXPANSION ***				
					592	*	\$MSG SEQNR-031,ERRNR-163,CNT-40,				X
					593	*	TXT-'DIFFERENT VARIABLE TYPES IN <LABEL-PAIR>'				
				0798	594+	ERM031 EQU	* ADDRESS OF MESSAGE				
0798	F1F6F3			079A	595+	DC	CL(ERMLDN)'163'				
079B	29			079B	596+	DC	AL(ERMLCT)(40+ERMLCT)				
079C	C4C9C6C6C5D9C5D5			07C3	597+	DC	CL40'DIFFERENT VARIABLE TYPES IN <LABEL-PAIR>'				
07A4	E340E5C1D9C9C1C2				597+						
07AC	D3C540E3E8D7C5E2				597+						
07B4	40C9D5404CD3C1C2				597+						
07BC	C5D360D7C1C9D96E				597+						
					598+	***	END OF EXPANSION ***				
					600	*	\$MSG SEQNR-032,ERRNR-164,CNT-30,				X
					601	*	TXT-'ODD TRACK NUMBER NOT ALLOWABLE'				
				07C4	602+	ERM032 EQU	* ADDRESS OF MESSAGE				
07C4	F1F6F4			07C6	603+	DC	CL(ERMLDN)'164'				
07C7	1F			07C7	604+	DC	AL(ERMLCT)(30+ERMLCT)				
07C8	D6C4C440E3D9C1C3			07E5	605+	DC	CL30'ODD TRACK NUMBER NOT ALLOWABLE'				
07D0	D240D5E4D4C2C5D9				605+						
07D8	40D5D6E340C1D3D3				605+						
07E0	D6E6C1C2D3C5				605+						
					606+	***	END OF EXPANSION ***				
					608	*	\$MSG SEQNR-033,ERRNR-200,CNT-37,				X

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 17
					609	*	TXT-'NO CURRENT <PASSWORD> OR DISK DEFINED'		
				07E6	610+	ERM033 EQU	* ADDRESS OF MESSAGE		
07E6	F2F0F0			07E8	611+	DC	CL(ERMLDN)'200'	ERROR NUMBER	
07E9	26			07E9	612+	DC	AL(ERMLCT)(37+ERMLCT)	COUNT OF MESSAGE	
07EA	D5D640C3E4D9D9C5			080E	613+	DC	CL37'NO CURRENT <PASSWORD> OR DISK DEFINED'		
07F2	D5E3404CD7C1E2E2				613+				
07FA	E6D6D9C46E40D6D9				613+				
0802	40C4C9E2D240C4C5				613+				
080A	C6C9D5C5C4				613+				
					614+	***	END OF EXPANSION ***		
					616	*	\$MSG SEQNR-034,ERRNR-205,CNT-19,	X	
					617	*	TXT-'HELP TEXT NOT FOUND'		
				080F	618+	ERM034 EQU	* ADDRESS OF MESSAGE		
080F	F2F0F5			0811	619+	DC	CL(ERMLDN)'205'	ERROR NUMBER	
0812	14			0812	620+	DC	AL(ERMLCT)(19+ERMLCT)	COUNT OF MESSAGE	
0813	C8C5D3D740E3C5E7			0825	621+	DC	CL19'HELP TEXT NOT FOUND'		
081B	E340D5D6E340C6D6				621+				
0823	E4D5C4				621+				
					622+	***	END OF EXPANSION ***		
					624	*	\$MSG SEQNR-035,ERRNR-210,CNT-32,	X	
					625	*	TXT-'<PASSWORD> NOT ON SPECIFIED DISK'		
				0826	626+	ERM035 EQU	* ADDRESS OF MESSAGE		
0826	F2F1F0			0828	627+	DC	CL(ERMLDN)'210'	ERROR NUMBER	
0829	21			0829	628+	DC	AL(ERMLCT)(32+ERMLCT)	COUNT OF MESSAGE	
082A	4CD7C1E2E2E6D6D9			0849	629+	DC	CL32'<PASSWORD> NOT ON SPECIFIED DISK'		
0832	C46E40D5D6E340D6				629+				
083A	D540E2D7C5C3C9C6				629+				
0842	C9C5C440C4C9E2D2				629+				
					630+	***	END OF EXPANSION ***		
					632	*	\$MSG SEQNR-036,ERRNR-211,CNT-24,	X	
					633	*	TXT-'SPECIFIED FILE NOT FOUND'		
				084A	634+	ERM036 EQU	* ADDRESS OF MESSAGE		
084A	F2F1F1			084C	635+	DC	CL(ERMLDN)'211'	ERROR NUMBER	
084D	19			084D	636+	DC	AL(ERMLCT)(24+ERMLCT)	COUNT OF MESSAGE	
084E	E2D7C5C3C9C6C9C5			0865	637+	DC	CL24'SPECIFIED FILE NOT FOUND'		
0856	C440C6C9D3C540D5				637+				
085E	D6E340C6D6E4D5C4				637+				
					638+	***	END OF EXPANSION ***		
					640	*	\$MSG SEQNR-037,ERRNR-212,CNT-31,	X	
					641	*	TXT-'DUPLICATE DISK LABELS ON SYSTEM'		
				0866	642+	ERM037 EQU	* ADDRESS OF MESSAGE		
0866	F2F1F2			0868	643+	DC	CL(ERMLDN)'212'	ERROR NUMBER	
0869	20			0869	644+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE	
086A	C4E4D7D3C9C3C1E3			0888	645+	DC	CL31'DUPLICATE DISK LABELS ON SYSTEM'		
0872	C540C4C9E2D240D3				645+				
087A	C1C2C5D3E240D6D5				645+				
0882	40E2E8E2E3C5D4				645+				
					646+	***	END OF EXPANSION ***		
					648	*	\$MSG SEQNR-038,ERRNR-213,CNT-18,	X	
					649	*	TXT-'FILE NOT ON SYSTEM'		
				0889	650+	ERM038 EQU	* ADDRESS OF MESSAGE		

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 18
0889	F2F1F3		088B	651+	DC	CL(ERMLDN)'213'	ERROR NUMBER
088C	13		088C	652+	DC	AL(ERMLCT)(18+ERMLCT)	COUNT OF MESSAGE
088D	C6C9D3C540D5D6E3		089E	653+	DC	CL18'FILE NOT ON SYSTEM'	
0895	40D6D540E2E8E2E3			653+			
089D	C5D4			653+			
				654+	***	END OF EXPANSION ***	
				656	*	\$MSG SEQNR-039,ERRNR-215,CNT-24,	X
				657	*	TXT-'SPECIFIED FILE PROTECTED'	
			089F	658+	ERM039 EQU	*	ADDRESS OF MESSAGE
089F	F2F1F5		08A1	659+	DC	CL(ERMLDN)'215'	ERROR NUMBER
08A2	19		08A2	660+	DC	AL(ERMLCT)(24+ERMLCT)	COUNT OF MESSAGE
08A3	E2D7C5C3C9C6C9C5		08BA	661+	DC	CL24'SPECIFIED FILE PROTECTED'	
08AB	C440C6C9D3C540D7			661+			
08B3	D9D6E3C5C3E3C5C4			661+			
				662+	***	END OF EXPANSION ***	
				664	*	\$MSG SEQNR-040,ERRNR-216,CNT-36,	X
				665	*	TXT-'DISK LABEL NOT ON SPECIFIED LOCATION'	
			08BB	666+	ERM040 EQU	*	ADDRESS OF MESSAGE
08BB	F2F1F6		08BD	667+	DC	CL(ERMLDN)'216'	ERROR NUMBER
08BE	25		08BE	668+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE
08BF	C4C9E2D240D3C1C2		08E2	669+	DC	CL36'DISK LABEL NOT ON SPECIFIED LOCATION'	
08C7	C5D340D5D6E340D6			669+			
08CF	D540E2D7C5C3C9C6			669+			
08D7	C9C5C440D3D6C3C1			669+			
08DF	E3C9D6D5			669+			
				670+	***	END OF EXPANSION ***	
				672	*	\$MSG SEQNR-041,ERRNR-217,CNT-28,	X
				673	*	TXT-'SPECIFIED DISK NOT ON SYSTEM'	
			08E3	674+	ERM041 EQU	*	ADDRESS OF MESSAGE
08E3	F2F1F7		08E5	675+	DC	CL(ERMLDN)'217'	ERROR NUMBER
08E6	1D		08E6	676+	DC	AL(ERMLCT)(28+ERMLCT)	COUNT OF MESSAGE
08E7	E2D7C5C3C9C6C9C5		0902	677+	DC	CL28'SPECIFIED DISK NOT ON SYSTEM'	
08EF	C440C4C9E2D240D5			677+			
08F7	D6E340D6D540E2E8			677+			
08FF	E2E3C5D4			677+			
				678+	***	END OF EXPANSION ***	
				680	*	\$MSG SEQNR-042,ERRNR-220,CNT-22,	X
				681	*	TXT-'NO <WORK FILE> DEFINED'	
			0903	682+	ERM042 EQU	*	ADDRESS OF MESSAGE
0903	F2F2F0		0905	683+	DC	CL(ERMLDN)'220'	ERROR NUMBER
0906	17		0906	684+	DC	AL(ERMLCT)(22+ERMLCT)	COUNT OF MESSAGE
0907	D5D6404CE6D6D9D2		091C	685+	DC	CL22'NO <WORK FILE> DEFINED'	
090F	40C6C9D3C56E40C4			685+			
0917	C5C6C9D5C5C4			685+			
				686+	***	END OF EXPANSION ***	
				688	*	\$MSG SEQNR-043,ERRNR-221,CNT-32,	X
				689	*	TXT-'<WORK FILE> IS PROGRAM GENERATED'	
			091D	690+	ERM043 EQU	*	ADDRESS OF MESSAGE
091D	F2F2F1		091F	691+	DC	CL(ERMLDN)'221'	ERROR NUMBER
0920	21		0920	692+	DC	AL(ERMLCT)(32+ERMLCT)	COUNT OF MESSAGE
0921	4CE6D6D9D240C6C9		0940	693+	DC	CL32'<WORK FILE> IS PROGRAM GENERATED'	

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	19
0929	D3C56E40C9E240D7				693+						
0931	D9D6C7D9C1D440C7				693+						
0939	C5D5C5D9C1E3C5C4				693+						
					694+	***	END OF EXPANSION ***				
					696	*	\$MSG SEQNR-044,ERRNR-222,CNT-22,				X
					697	*	TXT-'WORK FILE IS PROTECTED'				
				0941	698+	ERM044	EQU	*	ADDRESS OF MESSAGE		
0941	F2F2F2			0943	699+		DC	CL(ERMLDN)'222'	ERROR NUMBER		
0944	17			0944	700+		DC	AL(ERMLCT)(22+ERMLCT)	COUNT OF MESSAGE		
0945	E6D6D9D240C6C9D3			095A	701+		DC	CL22'WORK FILE IS PROTECTED'			
094D	C540C9E240D7D9D6				701+						
0955	E3C5C3E3C5C4				701+						
					702+	***	END OF EXPANSION ***				
					704	*	\$MSG SEQNR-045,ERRNR-223,CNT-30,				X
					705	*	TXT-'NO PROGRAM FILE IN <NOOK FILE>'				
				095B	706+	ERM045	EQU	*	ADDRESS OF MESSAGE		
095B	F2F2F3			095D	707+		DC	CL(ERMLDN)'223'	ERROR NUMBER		
095E	1F			095E	708+		DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE		
095F	D5D640D7D9D6C7D9			097C	709+		DC	CL30'NO PROGRAM FILE IN <NOOK FILE>'			
0967	C1D440C6C9D3C540				709+						
096F	C9D5404CD5D6D6D2				709+						
0977	40C6C9D3C56E				709+						
					710+	***	END OF EXPANSION ***				
					712	*	\$MSG SEQNR-046,ERRNR-225,CNT-26,				X
					713	*	TXT-'NO PROGRAM IN PAUSE STATE'				
				097D	714+	ERM046	EQU	*	ADDRESS OF MESSAGE		
097D	F2F2F5			097F	715+		DC	CL(ERMLDN)'225'	ERROR NUMBER		
0980	1B			0980	716+		DC	AL(ERMLCT)(26+ERMLCT)	COUNT OF MESSAGE		
0981	D5D640D7D9D6C7D9			099A	717+		DC	CL26'NO PROGRAM IN PAUSE STATE'			
0989	C1D440C9D540D7C1				717+						
0991	E4E2C540E2E3C1E3				717+						
0999	C540				717+						
					718+	***	END OF EXPANSION ***				
					720	*	\$MSG SEQNR-047,ERRNR-226,CNT-20,				X
					721	*	TXT-'<WORK FILE> IS EMPTY'				
				099B	722+	ERM047	EQU	*	ADDRESS OF MESSAGE		
099B	F2F2F6			099D	723+		DC	CL(ERMLDN)'226'	ERROR NUMBER		
099E	15			099E	724+		DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE		
099F	4CE6D6D9D240C6C9			09B2	725+		DC	CL20'<WORK FILE> IS EMPTY'			
09A7	D3C56E40C9E240C5				725+						
09AF	D4D7E3E8				725+						
					726+	***	END OF EXPANSION ***				
					728	*	\$MSG SEQNR-048,ERRNR-227,CNT-33,				X
					729	*	TXT-'SPECIFIED FILE NOT A PROGRAM FILE'				
				09B3	730+	ERM048	EQU	*	ADDRESS OF MESSAGE		
09B3	F2F2F7			09B5	731+		DC	CL(ERMLDN)'227'	ERROR NUMBER		
09B6	22			09B6	732+		DC	AL(ERMLCT)(33+ERMLCT)	COUNT OF MESSAGE		
09B7	E2D7C5C3C9C6C9C5			09D7	733+		DC	CL33'SPECIFIED FILE NOT A PROGRAM FILE'			
09BF	C440C6C9D3C540D5				733+						
09C7	D6E340C140D7D9D6				733+						
09CF	C7D9C1D440C6C9D3				733+						

##ERMS - ERROR MESSAGES

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09D7 C5 733+
734+*** END OF EXPANSION ***

			736 *	\$MSG	SEQNR-049,ERRNR-228,CNT-35,	X
			737 *		TXT-'ONE-STAR OR TWO STAR FILE PROTECTED'	
		09D8	738+ERM049	EQU	* ADDRESS OF MESSAGE	
09D8	F2F2F8	09DA	739+	DC	CL(ERMLDN)'228'	ERROR NUMBER
09DB	24	09DB	740+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE
09DC	D6D5C560E2E3C1D9	09FE	741+	DC	CL35'ONE-STAR OR TWO STAR FILE PROTECTED'	
09E4	40D6D940E3E6D640		741+			
09EC	E2E3C1D940C6C9D3		741+			
09F4	C540D7D9D6E3C5C3		741+			
09FC	E3C5C4		741+			
			742+***		END OF EXPANSION ***	

			744 *	\$MSG	SEQNR-050,ERRNR-229,CNT-50,	X
			745 *		TXT-'DESIRED CONDITION ALREADY PRESENT-FUNCTION IGNORED'	
		09FF	746+ERM050	EQU	* ADDRESS OF MESSAGE	
09FF	F2F2F9	0A01	747+	DC	CL(ERMLDN)'229'	ERROR NUMBER
0A02	33	0A02	748+	DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE
0A03	C4C5E2C9D9C5C440	0A34	749+	DC	CL50'DESIRED CONDITION ALREADY PRESENT-FUNCTION IGNORED'	
0A0B	C3D6D5C4C9E3C9D6		749+			
0A13	D540C1D3D9C5C1C4		749+			
0A1B	E840D7D9C5E2C5D5		749+			
0A23	E360C6E4D5C3E3C9		749+			
0A2B	D6D540C9C7D5D6D9		749+			
0A33	C5C4		749+			

750+*** END OF EXPANSION ***

			752 *	\$MSG	SEQNR-051,ERRNR-230,CNT-27,	X
			753 *		TXT-'FUNCTION REQUIRES WORK AREA'	
		0A35	754+ERM051	EQU	* ADDRESS OF MESSAGE	
0A35	F2F3F0	0A37	755+	DC	CL(ERMLDN)'230'	ERROR NUMBER
0A38	1C	0A38	756+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE
0A39	C6E4D5C3E3C9D6D5	0A53	757+	DC	CL27'FUNCTION REQUIRES WORK AREA'	
0A41	40D9C5D8E4C9D9C5		757+			
0A49	E240E6D6D9D240C1		757+			
0A51	D9C5C1		757+			
			758+***		END OF EXPANSION ***	

			760 *	\$MSG	SEQNR-052,ERRNR-232,CNT-31,	X
			761 *		TXT-'FUNCTION INVALID IN PAUSE STATE'	
		0A54	762+ERM052	EQU	* ADDRESS OF MESSAGE	
0A54	F2F3F2	0A56	763+	DC	CL(ERMLDN)'232'	ERROR NUMBER
0A57	20	0A57	764+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
0A58	C6E4D5C3E3C9D6D5	0A76	765+	DC	CL31'FUNCTION INVALID IN PAUSE STATE'	
0A60	40C9D5E5C1D3C9C4		765+			
0A68	40C9D540D7C1E4E2		765+			
0A70	C540E2E3C1E3C5		765+			
			766+***		END OF EXPANSION ***	

			768 *	\$MSG	SEQNR-053,ERRNR-234,CNT-38,	X
			769 *		TXT-'ONLY MOUNT OR INITIALIZE COMMAND VALID'	
		0A77	770+ERM053	EQU	* ADDRESS OF MESSAGE	
0A77	F2F3F4	0A79	771+	DC	CL(ERMLDN)'234'	ERROR NUMBER
0A7A	27	0A7A	772+	DC	AL(ERMLCT)(38+ERMLCT)	COUNT OF MESSAGE

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	21
0A7B	D6D5D3E840D4D6E4	0AA0	773+	DC	CL38	'ONLY MOUNT OR INITIALIZE COMMAND VALID'					
0A83	D5E340D6D940C9D5		773+								
0A8B	C9E3C9C1D3C9E9C5		773+								
0A93	40C3D6D4D4C1D5C4		773+								
0A9B	40E5C1D3C9C4		773+								
			774+	***	END OF EXPANSION	***					
			776 *	\$MSG	SEQNR-054,ERRNR-237,CNT-38,					X	
			777 *		TXT-'ORIGINAL MODE OF EXECUTION NOT "TRACE"'						
0AA1	F2F3F7	0AA1	778+ERM054	EQU	*	ADDRESS OF MESSAGE					
0AA4	27	0AA3	779+	DC	CL(ERMLDN)'237'	ERROR NUMBER					
0AA5	D6D9C9C7C9D5C1D3	0AA4	780+	DC	AL(ERMLCT)(38+ERMLCT)	COUNT OF MESSAGE					
0AAD	40D4D6C4C540D6C6	0ACA	781+	DC	CL38'ORIGINAL MODE OF EXECUTION NOT "TRACE"'						
0AB5	40C5E7C5C3E4E3C9		781+								
0ABD	D6D540D5D6E3407F		781+								
0AC5	E3D9C1C3C57F		781+								
			782+	***	END OF EXPANSION	***					
			784 *	\$MSG	SEQNR-055,ERRNR-240,CNT-27,					X	
			785 *		TXT-'DATA RECORDER NOT ON SYSTEM'						
0ACB	F2F4F0	0ACB	786+ERM055	EQU	*	ADDRESS OF MESSAGE					
0ACE	1C	0ACD	787+	DC	CL(ERMLDN)'240'	ERROR NUMBER					
0ACF	C4C1E3C140D9C5C3	0ACE	788+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE					
0AD7	D6D9C4C5D940D5D6	0AE9	789+	DC	CL27'DATA RECORDER NOT ON SYSTEM'						
0ADF	E340D6D540E2E8E2		789+								
0AE7	E3C5D4		789+								
			790+	***	END OF EXPANSION	***					
			792 *	\$MSG	SEQNR-056,ERRNR-241,CNT-27,					X	
			793 *		TXT-'CRT NOT ON SYSTEM'						
0AEA	F2F4F1	0AEA	794+ERM056	EQU	*	ADDRESS OF MESSAGE					
0AED	1C	0AEC	795+	DC	CL(ERMLDN)'241'	ERROR NUMBER					
0AEE	C3D9E340D5D6E340	0AED	796+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE					
0AF6	D6D540E2E8E2E3C5	0B08	797+	DC	CL27'CRT NOT ON SYSTEM'						
0AFE	D440404040404040		797+								
0B06	404040		797+								
			798+	***	END OF EXPANSION	***					
			800 *	\$MSG	SEQNR-057,ERRNR-242,CNT-21,					X	
			801 *		TXT-'DRIVE 2 NOT ON SYSTEM'						
0B09	F2F4F2	0B09	802+ERM057	EQU	*	ADDRESS OF MESSAGE					
0B0C	16	0B0B	803+	DC	CL(ERMLDN)'242'	ERROR NUMBER					
0B0D	C4D9C9E5C540F240	0B0C	804+	DC	AL(ERMLCT)(21+ERMLCT)	COUNT OF MESSAGE					
0B15	D5D6E340D6D540E2	0B21	805+	DC	CL21'DRIVE 2 NOT ON SYSTEM'						
0B1D	E8E2E3C5D4		805+								
			806+	***	END OF EXPANSION	***					
			808 *	\$MSG	SEQNR-058,ERRNR-248,CNT-50,					X	
			809 *		TXT-'CRT SPECIFIED WHEN INPUT IS FROM CARD OR PROCEDURE'						
0B22	F2F4F8	0B22	810+ERM058	EQU	*	ADDRESS OF MESSAGE					
0B25	33	0B24	811+	DC	CL(ERMLDN)'248'	ERROR NUMBER					
		0B25	812+	DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE					

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 22
0B26	C3D9E340E2D7C5C3	0B57	813+		DC	CL50	'CRT SPECIFIED WHEN INPUT IS FROM CARD OR PROCEDURE'		
0B2E	C9C6C9C5C440E6C8		813+						
0B36	C5D540C9D5D7E4E3		813+						
0B3E	40C9E240C6D9D6D4		813+						
0B46	40C3C1D9C440D6D9		813+						
0B4E	40D7D9D6C3C5C4E4		813+						
0B56	D9C5		813+						
			814+	***	END OF EXPANSION	***			
			816 *		\$MSG	SEQNR-059,ERRNR-249,CNT-46,		X	
			817 *			TXT-'CARD OUTPUT SPECIFIED WHEN INPUT IS FROM CARDS'			
		0B58	818+	ERM059	EQU	*	ADDRESS OF MESSAGE		
0B58	F2F4F9	0B5A	819+		DC	CL(ERMLDN)'249'	ERROR NUMBER		
0B5B	2F	0B5B	820+		DC	AL(ERMLCT)(46+ERMLCT)	COUNT OF MESSAGE		
0B5C	C3C1D9C440D6E4E3	0B89	821+		DC	CL46	'CARD OUTPUT SPECIFIED WHEN INPUT IS FROM CARDS'		
0B64	D7E4E340E2D7C5C3		821+						
0B6C	C9C6C9C5C440E6C8		821+						
0B74	C5D540C9D5D7E4E3		821+						
0B7C	40C9E240C6D9D6D4		821+						
0B84	40C3C1D9C4E2		821+						
			822+	***	END OF EXPANSION	***			
			824 *		\$MSG	SEQNR-060,ERRNR-250,CNT-23,		X	
			825 *			TXT-'VARIABLE NOT IN PROGRAM'			
		0B8A	826+	ERM060	EQU	*	ADDRESS OF MESSAGE		
0B8A	F2F5F0	0B8C	827+		DC	CL(ERMLDN)'250'	ERROR NUMBER		
0B8D	18	0B8D	828+		DC	AL(ERMLCT)(23+ERMLCT)	COUNT OF MESSAGE		
0B8E	E5C1D9C9C1C2D3C5	0BA4	829+		DC	CL23	'VARIABLE NOT IN PROGRAM'		
0B96	40D5D6E340C9D540		829+						
0B9E	D7D9D6C7D9C1D4		829+						
			830+	***	END OF EXPANSION	***			
			832 *		\$MSG	SEQNR-061,ERRNR-251,CNT-50,		X	
			833 *			TXT-'<ARITHMETIC CONSTANT> NOT IN RANGE 1E-99< X <1E99'			
		0BA5	834+	ERM061	EQU	*	ADDRESS OF MESSAGE		
0BA5	F2F5F1	0BA7	835+		DC	CL(ERMLDN)'251'	ERROR NUMBER		
0BA8	33	0BA8	836+		DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE		
0BA9	4CC1D9C9E3C8D4C5	0BDA	837+		DC	CL50	'<ARITHMETIC CONSTANT> NOT IN RANGE 1E-99< X <1E99'		
0BB1	E3C9C340C3D6D5E2		837+						
0BB9	E3C1D5E36E40D5D6		837+						
0BC1	E340C9D540D9C1D5		837+						
0BC9	C7C540F1C560F9F9		837+						
0BD1	4C40E7404CF1C5F9		837+						
0BD9	F940		837+						
			838+	***	END OF EXPANSION	***			
			840 *		\$MSG	SEQNR-062,ERRNR-252,CNT-36,		X	
			841 *			TXT-'SUBSCRIPT EXCEEDS <ARRAY SIZE LIMIT>'			
		0BDB	842+	ERM062	EQU	*	ADDRESS OF MESSAGE		
0BDB	F2F5F2	0BDD	843+		DC	CL(ERMLDN)'252'	ERROR NUMBER		
0BDE	25	0BDE	844+		DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE		
0BDF	E2E4C2E2C3D9C9D7	0C02	845+		DC	CL36	'SUBSCRIPT EXCEEDS <ARRAY SIZE LIMIT>'		
0BE7	E340C5E7C3C5C5C4		845+						
0BEF	E2404CC1D9D9C1E8		845+						
0BF7	40E2C9E9C540D3C9		845+						
0BFF	D4C9E36E		845+						

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	23
					846+	***	END OF EXPANSION ***				
					848	*	\$MSG SEQNR-063,ERRNR-253,CNT-20,			X	
					849	*	TXT-'ARRAY NOT IN PROGRAM'				
				0C03	850+	ERM063	EQU *			ADDRESS OF MESSAGE	
0C03	F2F5F3			0C05	851+		DC CL(ERMLDN)'253'			ERROR NUMBER	
0C06	15			0C06	852+		DC AL(ERMLCT)(20+ERMLCT)			COUNT OF MESSAGE	
0C07	C1D9D9C1E840D5D6			0C1A	853+		DC CL20'ARRAY NOT IN PROGRAM'				
0C0F	E340C9D540D7D9D6				853+						
0C17	C7D9C1D4				853+						
					854+	***	END OF EXPANSION ***				
					856	*	\$MSG SEQNR-064,ERRNR-254,CNT-35,			X	
					857	*	TXT-'NO NON-ARRAY <VARIABLES> IN PROGRAM'				
				0C1B	858+	ERM064	EQU *			ADDRESS OF MESSAGE	
0C1B	F2F5F4			0C1D	859+		DC CL(ERMLDN)'254'			ERROR NUMBER	
0C1E	24			0C1E	860+		DC AL(ERMLCT)(35+ERMLCT)			COUNT OF MESSAGE	
0C1F	D5D640D5D6D560C1			0C41	861+		DC CL35'NO NON-ARRAY <VARIABLES> IN PROGRAM'				
0C27	D9D9C1E8404CE5C1				861+						
0C2F	D9C9C1C2D3C5E26E				861+						
0C37	40C9D540D7D9D6C7				861+						
0C3F	D9C1D4				861+						
					862+	***	END OF EXPANSION ***				
					864	*	\$MSG SEQNR-065,ERRNR-255,CNT-25,			X	
					865	*	TXT-'NO <VARIABLES> IN PROGRAM'				
				0C42	866+	ERM065	EQU *			ADDRESS OF MESSAGE	
0C42	F2F5F5			0C44	867+		DC CL(ERMLDN)'255'			ERROR NUMBER	
0C45	1A			0C45	868+		DC AL(ERMLCT)(25+ERMLCT)			COUNT OF MESSAGE	
0C46	D5D6404CE5C1D9C9			0C5E	869+		DC CL25'NO <VARIABLES> IN PROGRAM'				
0C4E	C1C2D3C5E26E40C9				869+						
0C56	D540D7D9D6C7D9C1				869+						
0C5E	D4				869+						
					870+	***	END OF EXPANSION ***				
					872	*	\$MSG SEQNR-066,ERRNR-256,CNT-33,			X	
					873	*	TXT-'INCONSISTENT NUMBER OF SUBSCRIPTS'				
				0C5F	874+	ERM066	EQU *			ADDRESS OF MESSAGE	
0C5F	F2F5F6			0C61	875+		DC CL(ERMLDN)'256'			ERROR NUMBER	
0C62	22			0C62	876+		DC AL(ERMLCT)(33+ERMLCT)			COUNT OF MESSAGE	
0C63	C9D5C3D6D5E2C9E2			0C83	877+		DC CL33'INCONSISTENT NUMBER OF SUBSCRIPTS'				
0C6B	E3C5D5E340D5E4D4				877+						
0C73	C2C5D940D6C640E2				877+						
0C7B	E4C2E2C3D9C9D7E3				877+						
0C83	E2				877+						
					878+	***	END OF EXPANSION ***				
					880	*	\$MSG SEQNR-067,ERRNR-300,CNT-40,			X	
					881	*	TXT-'REQUIRED <FILE LIBRARY AREA> SPACE NOT AVAILABLE'				
				0C84	882+	ERM067	EQU *			ADDRESS OF MESSAGE	
0C84	F3F0F0			0C86	883+		DC CL(ERMLDN)'300'			ERROR NUMBER	
0C87	29			0C87	884+		DC AL(ERMLCT)(40+ERMLCT)			COUNT OF MESSAGE	
0C88	D9C5D8E4C9D9C5C4			0CAF	885+		DC CL40'REQUIRED <FILE LIBRARY AREA> SPACE NOT AVAILABLE'				
0C90	404CC6C9D3C540D3				885+						
0C98	C9C2D9C1D9E840C1				885+						
0CA0	D9C5C16E40E2D7C1				885+						

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0CA8	C3C540D5D6E340C1			885+		886+*** END OF EXPANSION ***	
				888 *	\$MSG	SEQNR-068,ERRNR-301,CNT-31,	X
				889 *		TXT-'PREVIOUS FILENAME NOT ALLOCATED'	
		0CB0		890+ERM068	EQU	* ADDRESS OF MESSAGE	
0CB0	F3F0F1	0CB2		891+	DC	CL(ERMLDN)'301'	ERROR NUMBER
0CB3	20	0CB3		892+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
0CB4	D7D9C5E5C9D6E4E2	0CD2		893+	DC	CL31'PREVIOUS FILENAME NOT ALLOCATED'	
0CBC	40C6C9D3C5D5C1D4			893+			
0CC4	C540D5D6E340C1D3			893+			
0CCC	D3D6C3C1E3C5C4			893+			
				894+***		END OF EXPANSION ***	
				896 *	\$MSG	SEQNR-069,ERRNR-302,CNT-30,	X
				897 *		TXT-'NEW FILENAME ALREADY ALLOCATED'	
		0CD3		898+ERM069	EQU	* ADDRESS OF MESSAGE	
0CD3	F3F0F2	0CD5		899+	DC	CL(ERMLDN)'302'	ERROR NUMBER
0CD6	1F	0CD6		900+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE
0CD7	D5C5E640C6C9D3C5	0CF4		901+	DC	CL30'NEW FILENAME ALREADY ALLOCATED'	
0CDF	D5C1D4C540C1D3D9			901+			
0CE7	C5C1C4E840C1D3D3			901+			
0CEF	D6C3C1E3C5C4			901+			
				902+***		END OF EXPANSION ***	
				904 *	\$MSG	SEQNR-070,ERRNR-303,CNT-50,	X
				905 *		TXT-'12 FILES ALREADY ALLOCATED FOR WORK FILE PROGRAM'	
		0CF5		906+ERM070	EQU	* ADDRESS OF MESSAGE	
0CF5	F3F0F3	0CF7		907+	DC	CL(ERMLDN)'303'	ERROR NUMBER
0CF8	33	0CF8		908+	DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE
0CF9	F1F240C6C9D3C5E2	0D2A		909+	DC	CL50'12 FILES ALREADY ALLOCATED FOR WORK FILE PROGRAM'	
0D01	40C1D3D9C5C1C4E8			909+			
0D09	40C1D3D3D6C3C1E3			909+			
0D11	C5C440C6D6D940E6			909+			
0D19	D6D9D240C6C9D3C5			909+			
0D21	40D7D9D6C7D9C1D4			909+			
0D29	4040			909+			
				910+***		END OF EXPANSION ***	
				912 *	\$MSG	SEQNR-071,ERRNR-304,CNT-47,	X
				913 *		TXT-' "NEW" FILE SPECIFIED ALREADY IS IN USER LIBRARY'	
		0D2B		914+ERM071	EQU	* ADDRESS OF MESSAGE	
0D2B	F3F0F4	0D2D		915+	DC	CL(ERMLDN)'304'	ERROR NUMBER
0D2E	30	0D2E		916+	DC	AL(ERMLCT)(47+ERMLCT)	COUNT OF MESSAGE
0D2F	7FD5C5E67F40C6C9	0D5D		917+	DC	CL47' "NEW" FILE SPECIFIED ALREADY IS IN USER LIBRARY'	
0D37	D3C540E2D7C5C3C9			917+			
0D3F	C6C9C5C440C1D3D9			917+			
0D47	C5C1C4E840C9E240			917+			
0D4F	C9D540E4E2C5D940			917+			
0D57	D3C9C2D9C1D9E8			917+			
				918+***		END OF EXPANSION ***	
				920 *	\$MSG	SEQNR-072,ERRNR-305,CNT-31,	X
				921 *		TXT-' "SPACE"> PARAMETER EXCEEDS 9.543'	
		0D5E		922+ERM072	EQU	* ADDRESS OF MESSAGE	
0D5E	F3F0F5	0D60		923+	DC	CL(ERMLDN)'305'	ERROR NUMBER

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	25
0D61	20			0D61	924+	DC	AL(ERMLCT)(31+ERMLCT) COUNT OF MESSAGE				
0D62	7FE2D7C1C3C57F6E			0D80	925+	DC	CL31'"SPACE"> PARAMETER EXCEEDS 9.543'				
0D6A	40D7C1D9C1D4C5E3				925+						
0D72	C5D940C5E7C3C5C5				925+						
0D7A	C4E240F94BF5F4				925+						
					926+***		END OF EXPANSION ***				
					928 *	\$MSG	SEQNR-073,ERRNR-308,CNT-38,			X	
					929 *		TXT-'SPECIFIED <LINE NUMBER> DOES NOT EXIST'				
				0D81	930+ERM073	EQU	*				
0D81	F3F0F8			0D83	931+	DC	CL(ERMLDN)'308'				
0D84	27			0D84	932+	DC	AL(ERMLCT)(38+ERMLCT) COUNT OF MESSAGE				
0D85	E2D7C5C3C9C6C9C5			0DAA	933+	DC	CL38'SPECIFIED <LINE NUMBER> DOES NOT EXIST'				
0D8D	C4404CD3C9D5C540				933+						
0D95	D5E4D4C2C5D96E40				933+						
0D9D	C4D6C5E240D5D6E3				933+						
0DA5	40C5E7C9E2E3				933+						
					934+***		END OF EXPANSION ***				
					936 *	\$MSG	SEQNR-074,ERRNR-310,CNT-16,			X	
					937 *		TXT-'USER FILE POOLED'				
				0DAB	938+ERM074	EQU	*				
0DAB	F3F1F0			0DAD	939+	DC	CL(ERMLDN)'310'				
0DAE	11			0DAE	940+	DC	AL(ERMLCT)(16+ERMLCT) COUNT OF MESSAGE				
0DAF	E4E2C5D940C6C9D3			0DBE	941+	DC	CL16'USER FILE POOLED'				
0DB7	C540D7D6D6D3C5C4				941+						
					942+***		END OF EXPANSION ***				
					944 *	\$MSG	SEQNR-075,ERRNR-315,CNT-50,			X	
					945 *		TXT-'<PROG-GENERATED DATA FILE> LARGER THAN WORK FILE'				
				0DBF	946+ERM075	EQU	*				
0DBF	F3F1F5			0DC1	947+	DC	CL(ERMLDN)'315'				
0DC2	33			0DC2	948+	DC	AL(ERMLCT)(50+ERMLCT) COUNT OF MESSAGE				
0DC3	4CD7D9D6C760C7C5			0DF4	949+	DC	CL50'<PROG-GENERATED DATA FILE> LARGER THAN WORK FILE'				
0DCB	D5C5D9C1E3C5C440				949+						
0DD3	C4C1E3C140C6C9D3				949+						
0DDB	C56E40D3C1D9C7C5				949+						
0DE3	D940E3C8C1D540E6				949+						
0DEB	D6D9D240C6C9D3C5				949+						
0DF3	4040				949+						
					950+***		END OF EXPANSION ***				
					952 *	\$MSG	SEQNR-076,ERRNR-316,CNT-25,			X	
					953 *		TXT-'NO EXECUTED BASIC PROGRAM'				
				0DF5	954+ERM076	EQU	*				
0DF5	F3F1F6			0DF7	955+	DC	CL(ERMLDN)'316'				
0DF8	1A			0DF8	956+	DC	AL(ERMLCT)(25+ERMLCT) COUNT OF MESSAGE				
0DF9	D5D640C5E7C5C3E4			0E11	957+	DC	CL25'NO EXECUTED BASIC PROGRAM'				
0E01	E3C5C440C2C1E2C9				957+						
0E09	C340D7D9D6C7D9C1				957+						
0E11	D4				957+						
					958+***		END OF EXPANSION ***				
					960 *	\$MSG	SEQNR-077,ERRNR-320,CNT-32,			X	
					961 *		TXT-'SCP NOT AVAILABLE ON SYSTEM DISK'				
				0E12	962+ERM077	EQU	*				
							ADDRESS OF MESSAGE				

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	26
0E12	F3F2F0			0E14	963+	DC	CL(ERMLDN)'320'				ERROR NUMBER
0E15	21			0E15	964+	DC	AL(ERMLCT)(32+ERMLCT)				COUNT OF MESSAGE
0E16	E2C3D740D5D6E340			0E35	965+	DC	CL32'SCP NOT AVAILABLE ON SYSTEM DISK'				
0E1E	C1E5C1C9D3C1C2D3				965+						
0E26	C540D6D540E2E8E2				965+						
0E2E	E3C5D440C4C9E2D2				965+						
					966+	***	END OF EXPANSION ***				
					968	*	\$MSG SEQNR-078,ERRNR-325,CNT-25,				X
					969	*	TXT-'LINE WISER LIST TOO LONG'				
				0E36	970+ERM078	EQU	*				ADDRESS OF MESSAGE
0E36	F3F2F5			0E38	971+	DC	CL(ERMLDN)'325'				ERROR NUMBER
0E39	1A			0E39	972+	DC	AL(ERMLCT)(25+ERMLCT)				COUNT OF MESSAGE
0E3A	D3C9D5C540E6C9E2			0E52	973+	DC	CL25'LINE WISER LIST TOO LONG'				
0E42	C5D940D3C9E2E340				973+						
0E4A	E3D6D640D3D6D5C7				973+						
0E52	40				973+						
					974+	***	END OF EXPANSION ***				
					976	*	\$MSG SEQNR-079,ERRNR-330,CNT-27,				X
					977	*	TXT-'HELP KEYWORD NOT RECOGNIZED'				
				0E53	978+ERM079	EQU	*				ADDRESS OF MESSAGE
0E53	F3F3F0			0E55	979+	DC	CL(ERMLDN)'330'				ERROR NUMBER
0E56	1C			0E56	980+	DC	AL(ERMLCT)(27+ERMLCT)				COUNT OF MESSAGE
0E57	C8C5D3D740D2C5E8			0E71	981+	DC	CL27'HELP KEYWORD NOT RECOGNIZED'				
0E5F	E6D6D9C440D5D6E3				981+						
0E67	40D9C5C3D6C7D5C9				981+						
0E6F	E9C5C4				981+						
					982+	***	END OF EXPANSION ***				
					984	*	\$MSG SEQNR-080,ERRNR-335,CNT-52,				X
					985	*	TXT-'NO, LIST SPECIFIED FOR <PROGRAM-GENERATED FILE>'				
				0E72	986+ERM080	EQU	*				ADDRESS OF MESSAGE
0E72	F3F3F5			0E74	987+	DC	CL(ERMLDN)'335'				ERROR NUMBER
0E75	35			0E75	988+	DC	AL(ERMLCT)(52+ERMLCT)				COUNT OF MESSAGE
0E76	D5D66B40D3C9E2E3			0EA9	989+	DC	CL52'NO, LIST SPECIFIED FOR <PROGRAM-GENERATED FILE>'				
0E7E	40E2D7C5C3C9C6C9				989+						
0E86	C5C440C6D6D9404C				989+						
0E8E	D7D9D6C7D9C1D460				989+						
0E96	C7C5D5C5D9C1E3C5				989+						
0E9E	C440C6C9D3C56E40				989+						
0EA6	40404040				989+						
					990+	***	END OF EXPANSION ***				
					992	*	\$MSG SEQNR-081,ERRNR-338,CNT-35,				X
					993	*	TXT-'INVALID COMBINATION OF <PARAMETERS>'				
				0EAA	994+ERM081	EQU	*				ADDRESS OF MESSAGE
0EAA	F3F3F8			0EAC	995+	DC	CL(ERMLDN)'338'				ERROR NUMBER
0EAD	24			0EAD	996+	DC	AL(ERMLCT)(35+ERMLCT)				COUNT OF MESSAGE
0EAE	C9D5E5C1D3C9C440			0ED0	997+	DC	CL35'INVALID COMBINATION OF <PARAMETERS>'				
0EB6	C3D6D4C2C9D5C1E3				997+						
0EBE	C9D6D540D6C6404C				997+						
0EC6	D7C1D9C1D4C5E3C5				997+						
0ECE	D9E26E				997+						
					998+	***	END OF EXPANSION ***				

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	27
					1000 *	\$MSG	SEQNR-082,ERRNR-340,CNT-43,				X
					1001 *		TXT-'NO ONE-STAR OR TWO-STAR LIBRARIES ON SYSTEM'				
				0ED1	1002+ERM082	EQU	*				ADDRESS OF MESSAGE
0ED1	F3F4F0			0ED3	1003+	DC	CL(ERMLDN)'340'				ERROR NUMBER
0ED4	2C			0ED4	1004+	DC	AL(ERMLCT)(43+ERMLCT)				COUNT OF MESSAGE
0ED5	D5D640D6D5C560E2			0EFF	1005+	DC	CL43'NO ONE-STAR OR TWO-STAR LIBRARIES ON SYSTEM'				
0EDD	E3C1D940D6D940E3				1005+						
0EE5	E6D660E2E3C1D940				1005+						
0EED	D3C9C2D9C1D9C9C5				1005+						
0EF5	E240D6D540E2E8E2				1005+						
0EFD	E3C5D4				1005+						
					1006+***		END OF EXPANSION ***				
					1008 *	\$MSG	SEQNR-083,ERRNR-350,CNT-38,				X
					1009 *		TXT- '<PASSWORDS> ALREADY DEFINED ON DISK'				
				0F00	1010+ERM083	EQU	*				ADDRESS OF MESSAGE
0F00	F3F5F0			0F02	1011+	DC	CL(ERMLDN)'350'				ERROR NUMBER
0F03	27			0F03	1012+	DC	AL(ERMLCT)(38+ERMLCT)				COUNT OF MESSAGE
0F04	4CD7C1E2E2E6D6D9			0F29	1013+	DC	CL38'<PASSWORDS> ALREADY DEFINED ON DISK'				
0F0C	C4E26E40C1D3D9C5				1013+						
0F14	C1C4E840C4C5C6C9				1013+						
0F1C	D5C5C440D6D540C4				1013+						
0F24	C9E2D2404040				1013+						
					1014+***		END OF EXPANSION ***				
					1016 *	\$MSG	SEQNR-084,ERRNR-361,CNT-40,				X
					1017 *		TXT-'NO <FILE LIBRARY AREA> ON SPECIFIED DISK'				
				0F2A	1018+ERM084	EQU	*				ADDRESS OF MESSAGE
0F2A	F3F6F1			0F2C	1019+	DC	CL(ERMLDN)'361'				ERROR NUMBER
0F2D	29			0F2D	1020+	DC	AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
0F2E	D5D6404CC6C9D3C5			0F55	1021+	DC	CL40'NO <FILE LIBRARY AREA> ON SPECIFIED DISK'				
0F36	40D3C9C2D9C1D9E8				1021+						
0F3E	40C1D9C5C16E40D6				1021+						
0F46	D540E2D7C5C3C9C6				1021+						
0F4E	C9C5C440C4C9E2D2				1021+						
					1022+***		END OF EXPANSION ***				
					1024 *	\$MSG	SEQNR-085,ERRNR-352,CNT-40,				X
					1025 *		TXT-'FILE LIBRARY FRAGMENTED,USE PACK COMMAND'				
				0F56	1026+ERM085	EQU	*				ADDRESS OF MESSAGE
0F56	F3F5F2			0F58	1027+	DC	CL(ERMLDN)'352'				ERROR NUMBER
0F59	29			0F59	1028+	DC	AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
0F5A	C6C9D3C540D3C9C2			0F81	1029+	DC	CL40'FILE LIBRARY FRAGMENTED,USE PACK COMMAND'				
0F62	D9C1D9E840C6D9C1				1029+						
0F6A	C7D4C5D5E3C5C46B				1029+						
0F72	E4E2C540D7C1C3D2				1029+						
0F7A	40C3D6D4D4C1D5C4				1029+						
					1030+***		END OF EXPANSION ***				
					1032 *	\$MSG	SEQNR-086,ERRNR-360,CNT-45,				X
					1033 *		TXT-'MERGED FILE WOULD CONTAIN MORE THAN 990 LINES'				
				0F82	1034+ERM086	EQU	*				ADDRESS OF MESSAGE
0F82	F3F6F0			0F84	1035+	DC	CL(ERMLDN)'360'				ERROR NUMBER
0F85	2E			0F85	1036+	DC	AL(ERMLCT)(45+ERMLCT)				COUNT OF MESSAGE
0F86	D4C5D9C7C5C440C6			0FB2	1037+	DC	CL45'MERGED FILE WOULD CONTAIN MORE THAN 990 LINES'				
0F8E	C9D3C540E6D6E4D3				1037+						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 28
0F96		C440C3D6D5E3C1C9		1037+					
0F9E		D540D4D6D9C540E3		1037+					
0FA6		C8C1D540F9F9F040		1037+					
0FAE		D3C9D5C5E2		1037+					
				1038+	***	END OF EXPANSION ***			
				1040	*	\$MSG SEQNR-087,ERRNR-361,CNT-35,			X
				1041	*	TXT-'INCOMPATIBLE FILE TYPES FOR <MERGE>'			
			0FB3	1042+	ERM087 EQU	* ADDRESS OF MESSAGE			
0FB3	F3F6F1		0FB5	1043+	DC	CL(ERMLDN)'361'			ERROR NUMBER
0FB6	24		0FB6	1044+	DC	AL(ERMLCT)(35+ERMLCT)			COUNT OF MESSAGE
0FB7	C9D5C3D6D4D7C1E3		0FD9	1045+	DC	CL35'INCOMPATIBLE FILE TYPES FOR <MERGE>'			
0FBF	C9C2D3C540C6C9D3			1045+					
0FC7	C540E3E8D7C5E240			1045+					
0FCF	C6D6D9404CD4C5D9			1045+					
0FD7	C7C56E			1045+					
				1046+	***	END OF EXPANSION ***			
				1048	*	\$MSG SEQNR-088,ERRNR-362,CNT-47,			X
				1049	*	TXT-'MERGED FILE WOULD EXCEED <WORK FILE> SIZE LIMIT'			
			0FDA	1050+	ERM088 EQU	* ADDRESS OF MESSAGE			
0FDA	F3F6F2		0FDC	1051+	DC	CL(ERMLDN)'362'			ERROR NUMBER
0FDD	30		0FDD	1052+	DC	AL(ERMLCT)(47+ERMLCT)			COUNT OF MESSAGE
0FDE	D4C5D9C7C5C440C6		100C	1053+	DC	CL47'MERGED FILE WOULD EXCEED <WORK FILE> SIZE LIMIT'			
0FE6	C9D3C540E6D6E4D3			1053+					
0FEE	C440C5E7C3C5C5C4			1053+					
0FF6	404CE6D6D9D240C6			1053+					
0FFE	C9D3C56E40E2C9E9			1053+					
1006	C540D3C9D4C9E3			1053+					
				1054+	***	END OF EXPANSION ***			
				1056	*	\$MSG SEQNR-089,ERRNR-371,CNT-38,			X
				1057	*	TXT-'<REMOVE> COMMAND NOT PREVIOUSLY ISSUED'			
			100D	1058+	ERM089 EQU	* ADDRESS OF MESSAGE			
100D	F3F7F1		100F	1059+	DC	CL(ERMLDN)'371'			ERROR NUMBER
1010	27		1010	1060+	DC	AL(ERMLCT)(38+ERMLCT)			COUNT OF MESSAGE
1011	4CD9C5D4D6E5C56E		1036	1061+	DC	CL38'<REMOVE> COMMAND NOT PREVIOUSLY ISSUED'			
1019	40C3D6D4D4C1D5C4			1061+					
1021	40D5D6E340D7D9C5			1061+					
1029	E5C9D6E4E2D3E840			1061+					
1031	C9E2E2E4C5C4			1061+					
				1062+	***	END OF EXPANSION ***			
				1064	*	\$MSG SEQNR-090,ERRNR-380,CNT-29,			X
				1065	*	TXT-'<PASSWORD> PREVIOUSLY DEFINED'			
			1037	1066+	ERM090 EQU	* ADDRESS OF MESSAGE			
1037	F3F8F0		1039	1067+	DC	CL(ERMLDN)'380'			ERROR NUMBER
103A	1E		103A	1068+	DC	AL(ERMLCT)(29+ERMLCT)			COUNT OF MESSAGE
103B	4CD7C1E2E2E6D6D9		1057	1069+	DC	CL29'<PASSWORD> PREVIOUSLY DEFINED'			
1043	C46E40D7D9C5E5C9			1069+					
104B	D6E4E2D3E840C4C5			1069+					
1053	C6C9D5C5C4			1069+					
				1070+	***	END OF EXPANSION ***			
				1072	*	\$MSG SEQNR-091,ERRNR-390,CNT-31,			X
				1073	*	TXT-'POOLED FILENAME ALREADY DEFINED'			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 29
			1058	1074+ERM091	EQU	* ADDRESS OF MESSAGE	
1058	F3F9F0		105A	1075+	DC	CL(ERMLDN)'390'	ERROR NUMBER
105B	20		105B	1076+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
105C	D7D6D6D3C5C440C6		107A	1077+	DC	CL31'POOLED FILENAME ALREADY DEFINED'	
1064	C9D3C5D5C1D4C540			1077+			
106C	C1D3D9C5C1C4E840			1077+			
1074	C4C5C6C9D5C5C4			1077+			
				1078+***	END OF EXPANSION ***		
				1080 *	\$MSG	SEQNR-092,ERRNR-400,CNT-47,	X
				1081 *		TXT-'CURRENT PASSWORD/DISK NOT SAME AS CREATING USER'	
			107B	1082+ERM092	EQU	* ADDRESS OF MESSAGE	
107B	F4F0F0		107D	1083+	DC	CL(ERMLDN)'400'	ERROR NUMBER
107E	30		107E	1084+	DC	AL(ERMLCT)(47+ERMLCT)	COUNT OF MESSAGE
107F	C3E4D9D9C5D5E340		10AD	1085+	DC	CL47'CURRENT PASSWORD/DISK NOT SAME AS CREATING USER'	
1087	D7C1E2E2E6D6D9C4			1085+			
108F	61C4C9E2D240D5D6			1085+			
1097	E340E2C1D4C540C1			1085+			
109F	E240C3D9C5C1E3C9			1085+			
10A7	D5C740E4E2C5D9			1085+			
				1086+***	END OF EXPANSION ***		
				1088 *	\$MSG	SEQNR-093,ERRNR-410,CNT-35,	X
				1089 *		TXT-'DISK LABEL NOT SAME AS LAST MOUNTED'	
			10AE	1090+ERM093	EQU	* ADDRESS OF MESSAGE	
10AE	F4F1F0		10B0	1091+	DC	CL(ERMLDN)'410'	ERROR NUMBER
10B1	24		10B1	1092+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE
10B2	C4C9E2D240D3C1C2		10D4	1093+	DC	CL35'DISK LABEL NOT SAME AS LAST MOUNTED'	
10BA	C5D340D5D6E340E2			1093+			
10C2	C1D4C540C1E240D3			1093+			
10CA	C1E2E340D4D6E4D5			1093+			
10D2	E3C5C4			1093+			
				1094+***	END OF EXPANSION ***		
				1096 *	\$MSG	SEQNR-094,ERRNR-415,CNT-19,	X
				1097 *		TXT-'INVALID COMMAND KEY'	
			10D5	1098+ERM094	EQU	* ADDRESS OF MESSAGE	
10D5	F4F1F5		10D7	1099+	DC	CL(ERMLDN)'415'	ERROR NUMBER
10D8	14		10D8	1100+	DC	AL(ERMLCT)(19+ERMLCT)	COUNT OF MESSAGE
10D9	C9D5E5C1D3C9C440		10EB	1101+	DC	CL19'INVALID COMMAND KEY'	
10E1	C3D6D4D4C1D5C440			1101+			
10E9	D2C5E8			1101+			
				1102+***	END OF EXPANSION ***		
				1104 *	\$MSG	SEQNR-095,ERRNR-417,CNT-29,	X
				1105 *		TXT-'INVALID COMMAND SPECIFICATION'	
			10EC	1106+ERM095	EQU	* ADDRESS OF MESSAGE	
10EC	F4F1F7		10EE	1107+	DC	CL(ERMLDN)'417'	ERROR NUMBER
10EF	1E		10EF	1108+	DC	AL(ERMLCT)(29+ERMLCT)	COUNT OF MESSAGE
10F0	C9D5E5C1D3C9C440		110C	1109+	DC	CL29'INVALID COMMAND SPECIFICATION'	
10F8	C3D6D4D4C1D5C440			1109+			
1100	E2D7C5C3C9C6C9C3			1109+			
1108	C1E3C9D6D5			1109+			
				1110+***	END OF EXPANSION ***		
				1112 *	\$MSG	SEQNR-096,ERRNR-420,CNT-29,	X

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	30
					1113	*	TXT-'USER FILENAME ALREADY DEFINED'				
				110D	1114+	ERM096 EQU	* ADDRESS OF MESSAGE				
110D	F4F2F0			110F	1115+	DC	CL(ERMLDN)'420'				
1110	1E			1110	1116+	DC	AL(ERMLCT)(29+ERMLCT)				
1111	E4E2C5D940C6C9D3			112D	1117+	DC	CL29'USER FILENAME ALREADY DEFINED'				
1119	C5D5C1D4C540C1D3				1117+						
1121	D9C5C1C4E840C4C5				1117+						
1129	C6C9D5C5C4				1117+						
					1118+	***	END OF EXPANSION ***				
					1120	*	\$MSG SEQNR-097,ERRNR-430,CNT-26,				X
					1121	*	TXT-'INVALID PARTIAL <RENUMBER>'				
				112E	1122+	ERM097 EQU	* ADDRESS OF MESSAGE				
112E	F4F3F0			1130	1123+	DC	CL(ERMLDN)'430'				
1131	1B			1131	1124+	DC	AL(ERMLCT)(26+ERMLCT)				
1132	C9D5E5C1D3C9C440			114B	1125+	DC	CL26'INVALID PARTIAL <RENUMBER>'				
113A	D7C1D9E3C9C1D340				1125+						
1142	4CD9C5D5E4D4C2C5				1125+						
114A	D96E				1125+						
					1126+	***	END OF EXPANSION ***				
					1128	*	\$MSG SEQNR-098,ERRNR-432,CNT-49,				X
					1129	*	TXT-'MAX <LINE NUMBER> WOULD BE EXCEEDED IF RENUMBERED'				
				114C	1130+	ERM098 EQU	* ADDRESS OF MESSAGE				
114C	F4F3F2			114E	1131+	DC	CL(ERMLDN)'432'				
114F	32			114F	1132+	DC	AL(ERMLCT)(49+ERMLCT)				
1150	D4C1E7404CD3C9D5			1180	1133+	DC	CL49'MAX <LINE NUMBER> WOULD BE EXCEEDED IF RENUMBERED'				
1158	C540D5E4D4C2C5D9				1133+						
1160	6E40E6D6E4D3C440				1133+						
1168	C2C540C5E7C3C5C5				1133+						
1170	C4C5C440C9C640D9				1133+						
1178	C5D5E4D4C2C5D9C5				1133+						
1180	C4				1133+						
					1134+	***	END OF EXPANSION ***				
					1136	*	\$MSG SEQNR-099,ERRNR-433,CNT-30,				X
					1137	*	TXT-'<RENUMBER> <INCREMENT> IS ZERO'				
				1181	1138+	ERM099 EQU	* ADDRESS OF MESSAGE				
1181	F4F3F3			1183	1139+	DC	CL(ERMLDN)'433'				
1184	1F			1184	1140+	DC	AL(ERMLCT)(30+ERMLCT)				
1185	4CD9C5D5E4D4C2C5			11A2	1141+	DC	CL30'<RENUMBER> <INCREMENT> IS ZERO'				
118D	D96E404CC9D5C3D9				1141+						
1195	C5D4C5D5E36E40C9				1141+						
119D	E240E9C5D9D6				1141+						
					1142+	***	END OF EXPANSION ***				
					1144	*	\$MSG SEQNR-100,ERRNR-450,CNT-29,				X
					1145	*	TXT-'ANOTHER PROGRAM IN SUSPENSION'				
				11A3	1146+	ERM100 EQU	* ADDRESS OF MESSAGE				
11A3	F4F5F0			11A5	1147+	DC	CL(ERMLDN)'450'				
11A6	1E			11A6	1148+	DC	AL(ERMLCT)(29+ERMLCT)				
11A7	C1D5D6E3C8C5D940			11C3	1149+	DC	CL29'ANOTHER PROGRAM IN SUSPENSION'				
11AF	D7D9D6C7D9C1D440				1149+						
11B7	C9D540E2E4E2D7C5				1149+						
11BF	D5E2C9D6D5				1149+						
					1150+	***	END OF EXPANSION ***				

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 31	
					1152 *	\$MSG	SEQNR-101,ERRNR-451,CNT-20,		X
					1153 *		TXT-'SCRATCH FILE IN USE'		
				11C4	1154+	ERM101 EQU	*	ADDRESS OF MESSAGE	
11C4	F4F5F1			11C6	1155+	DC	CL(ERMLDN)'451'	ERROR NUMBER	
11C7	15			11C7	1156+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
11C8	E2C3D9C1E3C3C840			11DB	1157+	DC	CL20'SCRATCH FILE IN USE'		
11D0	C6C9D3C540C9D540				1157+				
11D8	E4E2C540				1157+				
					1158+	***	END OF EXPANSION ***		
					1160 *	\$MSG	SEQNR-102,ERRNR-460,CNT-33,		X
					1161 *		TXT-'RIGHT MARGIN EXCEEDS PRINTER SIZE'		
				11DC	1162+	ERM102 EQU	*	ADDRESS OF MESSAGE	
11DC	F4F6F0			11DE	1163+	DC	CL(ERMLDN)'460'	ERROR NUMBER	
11DF	22			11DF	1164+	DC	AL(ERMLCT)(33+ERMLCT)	COUNT OF MESSAGE	
11E0	D9C9C7C8E340D4C1			1200	1165+	DC	CL33'RIGHT MARGIN EXCEEDS PRINTER SIZE'		
11E8	D9C7C9D540C5E7C3				1165+				
11F0	C5C5C4E240D7D9C9				1165+				
11F8	D5E3C5D940E2C9E9				1165+				
1200	C5				1165+				
					1166+	***	END OF EXPANSION ***		
					1168 *	\$MSG	SEQNR-103,ERRNR-461,CNT-20,		X
					1169 *		TXT-'<WIDTH> LESS THAN 18'		
				1201	1170+	ERM103 EQU	*	ADDRESS OF MESSAGE	
1201	F4F6F1			1203	1171+	DC	CL(ERMLDN)'461'	ERROR NUMBER	
1204	15			1204	1172+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
1205	4CE6C9C4E3C86E40			1218	1173+	DC	CL20'<WIDTH> LESS THAN 18'		
120D	D3C5E2E240E3C8C1				1173+				
1215	D540F1F8				1173+				
					1174+	***	END OF EXPANSION ***		
					1176 *	\$MSG	SEQNR-104,ERRNR-464,CNT-20,		X
					1177 *		TXT-'NO SUSPENDED PROGRAM'		
				1219	1178+	ERM104 EQU	*	ADDRESS OF MESSAGE	
1219	F4F6F4			121B	1179+	DC	CL(ERMLDN)'464'	ERROR NUMBER	
121C	15			121C	1180+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
121D	D5D640E2E4E2D7C5			1230	1181+	DC	CL20'NO SUSPENDED PROGRAM'		
1225	D5C4C5C440D7D9D6				1181+				
122D	C7D9C1D4				1181+				
					1182+	***	END OF EXPANSION ***		
					1184 *	\$MSG	SEQNR-105,ERRNR-465,CNT-24,		X
					1185 *		TXT-'MISSING "OPEN" DISK FILE'		
				1231	1186+	ERM105 EQU	*	ADDRESS OF MESSAGE	
1231	F4F6F5			1233	1187+	DC	CL(ERMLDN)'465'	ERROR NUMBER	
1234	19			1234	1188+	DC	AL(ERMLCT)(24+ERMLCT)	COUNT OF MESSAGE	
1235	D4C9E2E2C9D5C740			124C	1189+	DC	CL24'MISSING "OPEN" DISK FILE'		
123D	7FD6D7C5D57F40C4				1189+				
1245	C9E2D240C6C9D3C5				1189+				
					1190+	***	END OF EXPANSION ***		
					1192 *	\$MSG	SEQNR-106,ERRNR-466,CNT-50,		X
					1193 *		TXT-'SUSPENDED CONFIG DIFFERS FROM CURRENT SYSTEM'		
				124D	1194+	ERM106 EQU	*	ADDRESS OF MESSAGE	
124D	F4F6F6			124F	1195+	DC	CL(ERMLDN)'466'	ERROR NUMBER	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 32
1250	33		1250	1196+	DC	AL(ERMLCT)(50+ERMLCT) COUNT OF MESSAGE	
1251	E2E4E2D7C5D5C4C5		1282	1197+	DC	CL50'SUSPENDED CONFIG DIFFERS FROM CURRENT SYSTEM'	
1259	C440C3D6D5C6C9C7			1197+			
1261	40C4C9C6C6C5D9E2			1197+			
1269	40C6D9D6D440C3E4			1197+			
1271	D9D9C5D5E340E2E8			1197+			
1279	E2E3C5D440404040			1197+			
1281	4040			1197+			
				1198+	***	END OF EXPANSION ***	
				1200	*	\$MSG SEQNR-107,ERRNR-467,CNT-34,	X
				1201	*	TXT-' "OPEN" DISK FILE HAS BEEN MODIFIED'	
			1283	1202+ERM107	EQU	* ADDRESS OF MESSAGE	
1283	F4F6F7		1285	1203+	DC	CL(ERMLDN)'467' ERROR NUMBER	
1286	23		1286	1204+	DC	AL(ERMLCT)(34+ERMLCT) COUNT OF MESSAGE	
1287	7FD6D7C5D57F40C4	12A8	1205+	DC	CL34' "OPEN" DISK FILE HAS BEEN MODIFIED'		
128F	C9E2D240C6C9D3C5		1205+				
1297	40C8C1E240C2C5C5		1205+				
129F	D540D4D6C4C9C6C9		1205+				
12A7	C5C4		1205+				
			1206+	***	END OF EXPANSION ***		
				1208	*	\$MSG SEQNR-108,ERRNR-469,CNT-20,	X
				1209	*	TXT-'DISK FOUND DEFECTIVE'	
			12A9	1210+ERM108	EQU	* ADDRESS OF MESSAGE	
12A9	F4F6F9		12AB	1211+	DC	CL(ERMLDN)'469' ERROR NUMBER	
12AC	15		12AC	1212+	DC	AL(ERMLCT)(20+ERMLCT) COUNT OF MESSAGE	
12AD	C4C9E2D240C6D6E4	12C0	1213+	DC	CL20'DISK FOUND DEFECTIVE'		
12B5	D5C440C4C5C6C5C3		1213+				
12BD	E3C9E5C5		1213+				
			1214+	***	END OF EXPANSION ***		
				1216	*	\$MSG SEQNR-109,ERRNR-470,CNT-39,	X
				1217	*	TXT-'TRACK ALREADY ASSIGNED OR NOT AVAILABLE'	
			12C1	1218+ERM109	EQU	* ADDRESS OF MESSAGE	
12C1	F4F7F0		12C3	1219+	DC	CL(ERMLDN)'470' ERROR NUMBER	
12C4	28		12C4	1220+	DC	AL(ERMLCT)(39+ERMLCT) COUNT OF MESSAGE	
12C5	E3D9C1C3D240C1D3	12EB	1221+	DC	CL39'TRACK ALREADY ASSIGNED OR NOT AVAILABLE'		
12CD	D9C5C1C4E840C1E2		1221+				
12D5	E2C9C7D5C5C440D6		1221+				
12DD	D940D5D6E340C1E5		1221+				
12E5	C1C9D3C1C2D3C5		1221+				
			1222+	***	END OF EXPANSION ***		
				1224	*	\$MSG SEQNR-110,ERRNR-471,CNT-32,	X
				1225	*	TXT-'INVALID SECONDARY INITIALIZATION'	
			12EC	1226+ERM110	EQU	* ADDRESS OF MESSAGE	
12EC	F4F7F1		12EE	1227+	DC	CL(ERMLDN)'471' ERROR NUMBER	
12EF	21		12EF	1228+	DC	AL(ERMLCT)(32+ERMLCT) COUNT OF MESSAGE	
12F0	C9D5E5C1D3C9C440	130F	1229+	DC	CL32'INVALID SECONDARY INITIALIZATION'		
12F8	E2C5C3D6D5C4C1D9		1229+				
1300	E840C9D5C9E3C9C1		1229+				
1308	D3C9E9C1E3C9D6D5		1229+				
			1230+	***	END OF EXPANSION ***		
			1232	*	\$MSG SEQNR-111,ERRNR-473,CNT-43,		X

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 33
					1233	*	TXT-'DISK ALREADY CONTAINS A <FILE LIBRARY AREA>'			
				1310	1234+	ERM111 EQU	* ADDRESS OF MESSAGE			
1310	F4F7F3			1312	1235+	DC	CL(ERMLDN)'473'			
1313	2C			1313	1236+	DC	AL(ERMLCT)(43+ERMLCT)			
1314	C4C9E2D240C1D3D9			133E	1237+	DC	CL43'DISK ALREADY CONTAINS A <FILE LIBRARY AREA>'			
131C	C5C1C4E840C3D6D5				1237+					
1324	E3C1C9D5E240C140				1237+					
132C	4CC6C9D3C540D3C9				1237+					
1334	C2D9C1D9E840C1D9				1237+					
133C	C5C16E				1237+					
					1238+	***	END OF EXPANSION ***			
					1240	*	\$MSG SEQNR-112,ERRNR-474,CNT-28,			X
					1241	*	TXT-'SPACE NOT AVAILABLE FOR FILE'			
				133F	1242+	ERM112 EQU	* ADDRESS OF MESSAGE			
133F	F4F7F4			1341	1243+	DC	CL(ERMLDN)'474'			
1342	1D			1342	1244+	DC	AL(ERMLCT)(28+ERMLCT)			
1343	E2D7C1C3C540D5D6			135E	1245+	DC	CL28'SPACE NOT AVAILABLE FOR FILE'			
134B	E340C1E5C1C9D3C1				1245+					
1353	C2D3C540C6D6D940				1245+					
135B	C6C9D3C5				1245+					
					1246+	***	END OF EXPANSION ***			
					1248	*	\$MSG SEQNR-113,ERRNR-475,CNT-24,			X
					1249	*	TXT-'NO MORE ALTERNATE TRACKS'			
				135F	1250+	ERM113 EQU	* ADDRESS OF MESSAGE			
135F	F4F7F5			1361	1251+	DC	CL(ERMLDN)'475'			
1362	19			1362	1252+	DC	AL(ERMLCT)(24+ERMLCT)			
1363	D5D640D4D6D9C540			137A	1253+	DC	CL24'NO MORE ALTERNATE TRACKS'			
136B	C1D3E3C5D9D5C1E3				1253+					
1373	C540E3D9C1C3D2E2				1253+					
					1254+	***	END OF EXPANSION ***			
					1256	*	\$MSG SEQNR-114,ERRNR-476,CNT-42,			X
					1257	*	TXT-'CRT, PROCESSING UNIT, COMMAND KEY CONFLICT'			
				137B	1258+	ERM114 EQU	* ADDRESS OF MESSAGE			
137B	F4F7F6			137D	1259+	DC	CL(ERMLDN)'476'			
137E	2B			137E	1260+	DC	AL(ERMLCT)(42+ERMLCT)			
137F	C3D9E36B40D7D9D6			13A8	1261+	DC	CL42'CRT, PROCESSING UNIT, COMMAND KEY CONFLICT'			
1387	C3C5E2E2C9D5C740				1261+					
138F	E4D5C9E36B40C3D6				1261+					
1397	D4D4C1D5C440D2C5				1261+					
139F	E840C3D6D5C6D3C9				1261+					
13A7	C3E3				1261+					
					1262+	***	END OF EXPANSION ***			
					1264	*	\$MSG SEQNR-115,ERRNR-477,CNT-21,			X
					1265	*	TXT-'INVALID KEYBOARD TYPE'			
				13A9	1266+	ERM115 EQU	* ADDRESS OF MESSAGE			
13A9	F4F7F7			13AB	1267+	DC	CL(ERMLDN)'477'			
13AC	16			13AC	1268+	DC	AL(ERMLCT)(21+ERMLCT)			
13AD	C9D5E5C1D3C9C440			13C1	1269+	DC	CL21'INVALID KEYBOARD TYPE'			
13B5	D2C5E8C2D6C1D9C4				1269+					
13BD	40E3E8D7C5				1269+					
					1270+	***	END OF EXPANSION ***			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 34
					1272 *	\$MSG	SEQNR-116,ERRNR-478,CNT-22,		X
					1273 *		TXT-'ACTIVE FILE(S) ON DISK'		
				13C2	1274+ERM116	EQU	*	ADDRESS OF MESSAGE	
13C2	F4F7F8			13C4	1275+	DC	CL(ERMLDN)'478'	ERROR NUMBER	
13C5	17			13C5	1276+	DC	AL(ERMLCT)(22+ERMLCT)	COUNT OF MESSAGE	
13C6	C1C3E3C9E5C540C6			13DB	1277+	DC	CL22'ACTIVE FILE(S) ON DISK'		
13CE	C9D3C54DE25D40D6				1277+				
13D6	D540C4C9E2D2				1277+				
					1278+***		END OF EXPANSION ***		
					1280 *	\$MSG	SEQNR-117,ERRNR-479,CNT-26,		X
					1281 *		TXT-'SPECIFIED FILE NOT ON DISK'		
				13DC	1282+ERM117	EQU	*	ADDRESS OF MESSAGE	
13DC	F4F7F9			13DE	1283+	DC	CL(ERMLDN)'479'	ERROR NUMBER	
13DF	1B			13DF	1284+	DC	AL(ERMLCT)(26+ERMLCT)	COUNT OF MESSAGE	
13E0	E2D7C5C3C9C6C9C5			13F9	1285+	DC	CL26'SPECIFIED FILE NOT ON DISK'		
13E8	C440C6C9D3C540D5				1285+				
13F0	D6E340D6D540C4C9				1285+				
13F8	E2D2				1285+				
					1286+***		END OF EXPANSION ***		
					1288 *	\$MSG	SEQNR-118,ERRNR-480,CNT-27,		X
					1289 *		TXT-'FILES IN AREA TO BE DELETED'		
				13FA	1290+ERM118	EQU	*	ADDRESS OF MESSAGE	
13FA	F4F8F0			13FC	1291+	DC	CL(ERMLDN)'480'	ERROR NUMBER	
13FD	1C			13FD	1292+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE	
13FE	C6C9D3C5E240C9D5			1418	1293+	DC	CL27'FILES IN AREA TO BE DELETED'		
1406	40C1D9C5C140E3D6				1293+				
140E	40C2C540C4C5D3C5				1293+				
1416	E3C5C4				1293+				
					1294+***		END OF EXPANSION ***		
					1296 *	\$MSG	SEQNR-119,ERRNR-481,CNT-20,		X
					1297 *		TXT-'CYLINDER 0 DEFECTIVE'		
				1419	1298+ERM119	EQU	*	ADDRESS OF MESSAGE	
1419	F4F8F1			141B	1299+	DC	CL(ERMLDN)'481'	ERROR NUMBER	
141C	15			141C	1300+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
141D	C3E8D3C9D5C4C5D9			1430	1301+	DC	CL20'CYLINDER 0 DEFECTIVE'		
1425	40F040C4C5C6C5C3				1301+				
142D	E3C9E5C5				1301+				
					1302+***		END OF EXPANSION ***		
					1304 *	\$MSG	SEQNR-120,ERRNR-482,CNT-39,		X
					1305 *		TXT-'SPECIFIED <TRACK> EXCEEDS DISK CAPACITY'		
				1431	1306+ERM120	EQU	*	ADDRESS OF MESSAGE	
1431	F4F8F2			1433	1307+	DC	CL(ERMLDN)'482'	ERROR NUMBER	
1434	28			1434	1308+	DC	AL(ERMLCT)(39+ERMLCT)	COUNT OF MESSAGE	
1435	E2D7C5C3C9C6C9C5			145B	1309+	DC	CL39'SPECIFIED <TRACK> EXCEEDS DISK CAPACITY'		
143D	C4404CE3D9C1C3D2				1309+				
1445	6E40C5E7C3C5C5C4				1309+				
144D	E240C4C9E2D240C3				1309+				
1455	C1D7C1C3C9E3E8				1309+				
					1310+***		END OF EXPANSION ***		
					1312 *	\$MSG	SEQNR-121,ERRNR-483,CNT-09,		X
					1313 *		TXT-'VTOC FULL'		

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 35
			145C	1314+	ERM121 EQU *	ADDRESS OF MESSAGE	
145C	F4F8F3		145E	1315+	DC CL(ERMLDN)'483'	ERROR NUMBER	
145F	0A		145F	1316+	DC AL(ERMLCT)(09+ERMLCT)	COUNT OF MESSAGE	
1460	E5E3D6C340C6E4D3		1468	1317+	DC CL09'VTOC FULL'		
1468	D3			1317+			
				1318+	*** END OF EXPANSION ***		
				1320 *	\$MSG SEQNR-122,ERRNR-484,CNT-50,		X
				1321 *	TXT-'SPACE NOT AVAILABLE BEGINNING AT <TRACK> SPECIFIED'		
			1469	1322+	ERM122 EQU *	ADDRESS OF MESSAGE	
1469	F4F8F4		146B	1323+	DC CL(ERMLDN)'484'	ERROR NUMBER	
146C	33		146C	1324+	DC AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE	
146D	E2D7C1C3C540D5D6		149E	1325+	DC CL50'SPACE NOT AVAILABLE BEGINNING AT <TRACK> SPECIFIED'		
1475	E340C1E5C1C9D3C1			1325+			
147D	C2D3C540C2C5C7C9			1325+			
1485	D5D5C9D5C740C1E3			1325+			
148D	404CE3D9C1C3D26E			1325+			
1495	40E2D7C5C3C9C6C9			1325+			
149D	C5C4			1325+			
				1326+	*** END OF EXPANSION ***		
				1328 *	\$MSG SEQNR-123,ERRNR-405,CNT-45,		X
				1329 *	TXT-'WORK AREA SPACE ALLOCATED FOR ANOTHER PURPOSE'		
			149F	1330+	ERM123 EQU *	ADDRESS OF MESSAGE	
149F	F4F0F5		14A1	1331+	DC CL(ERMLDN)'405'	ERROR NUMBER	
14A2	2E		14A2	1332+	DC AL(ERMLCT)(45+ERMLCT)	COUNT OF MESSAGE	
14A3	E6D6D9D240C1D9C5		14CF	1333+	DC CL45'WORK AREA SPACE ALLOCATED FOR ANOTHER PURPOSE'		
14AB	C140E2D7C1C3C540			1333+			
14B3	C1D3D3D6C3C1E3C5			1333+			
14BB	C440C6D6D940C1D5			1333+			
14C3	D6E3C8C5D940D7E4			1333+			
14CB	D9D7D6E2C5			1333+			
				1334+	*** END OF EXPANSION ***		
				1336 *	\$MSG SEQNR-124,ERRNR-486,CNT-18,		X
				1337 *	TXT-'<TRACK> NOT USABLE'		
			14D0	1338+	ERM124 EQU *	ADDRESS OF MESSAGE	
14D0	F4F8F6		14D2	1339+	DC CL(ERMLDN)'486'	ERROR NUMBER	
14D3	13		14D3	1340+	DC AL(ERMLCT)(18+ERMLCT)	COUNT OF MESSAGE	
14D4	4CE3D9C1C3D26E40		14E5	1341+	DC CL18'<TRACK> NOT USABLE'		
14DC	D5D6E340E4E2C1C2			1341+			
14E4	D3C5			1341+			
				1342+	*** END OF EXPANSION ***		
				1344 *	\$MSG SEQNR-125,ERRNR-487,CNT-48,		X
				1345 *	TXT-'NUMBER OF TRACKS REQUESTED EXCEEDS DISK CAPACITY'		
			14E6	1346+	ERM125 EQU *	ADDRESS OF MESSAGE	
14E6	F4F8F7		14E8	1347+	DC CL(ERMLDN)'487'	ERROR NUMBER	
14E9	31		14E9	1348+	DC AL(ERMLCT)(48+ERMLCT)	COUNT OF MESSAGE	
14EA	D5E4D4C2C5D940D6		1519	1349+	DC CL48'NUMBER OF TRACKS REQUESTED EXCEEDS DISK CAPACITY'		
14F2	C640E3D9C1C3D2E2			1349+			
14FA	40D9C5D8E4C5E2E3			1349+			
1502	C5C440C5E7C3C5C5			1349+			
150A	C4E240C4C9E2D240			1349+			
1512	C3C1D7C1C3C9E3E8			1349+			
				1350+	*** END OF EXPANSION ***		

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 36	
					1352 *	\$MSG	SEQNR-126,ERRNR-488,CNT-42,		X
					1353 *		TXT-'CONTRACTION PARAMETER EXCEEDS LIBRARY LIMIT'		
				151A	1354+ERM126	EQU	*	ADDRESS OF MESSAGE	
151A	F4F8F8			151C	1355+	DC	CL(ERMLDN)'488'	ERROR NUMBER	
151D	2B			151D	1356+	DC	AL(ERMLCT)(42+ERMLCT)	COUNT OF MESSAGE	
151E	C3D6D5E3D9C1C3E3			1547	1357+	DC	CL42'CONTRACTION PARAMETER EXCEEDS LIBRARY LIMIT'		
1526	C9D6D540D7C1D9C1				1357+				
152E	D4C5E3C5D940C5E7				1357+				
1536	C3C5C5C4E240D3C9				1357+				
153E	C2D9C1D9E840D3C9				1357+				
1546	D4C9				1357+				
					1358+***		END OF EXPANSION ***		
					1360 *	\$MSG	SEQNR-127,ERRNR-489,CNT-39,		X
					1361 *		TXT-'RELEASE LEVEL ON HELP TEXT IN INCORRECT'		
				1548	1362+ERM127	EQU	*	ADDRESS OF MESSAGE	
1548	F4F8F9			154A	1363+	DC	CL(ERMLDN)'489'	ERROR NUMBER	
154B	28			154B	1364+	DC	AL(ERMLCT)(39+ERMLCT)	COUNT OF MESSAGE	
154C	D9C5D3C5C1E2C540			1572	1365+	DC	CL39'RELEASE LEVEL ON HELP TEXT IN INCORRECT'		
1554	D3C5E5C5D340D6D5				1365+				
155C	40C8C5D3D740E3C5				1365+				
1564	E7E340C9D540C9D5				1365+				
156C	C3D6D9D9C5C3E3				1365+				
					1366+***		END OF EXPANSION ***		
					1368 *	\$MSG	SEQNR-128,ERRNR-490,CNT-29,		X
					1369 *		TXT-'NO SUSPECTED DEFECTIVE TRACKS'		
				1573	1370+ERM128	EQU	*	ADDRESS OF MESSAGE	
1573	F4F9F0			1575	1371+	DC	CL(ERMLDN)'490'	ERROR NUMBER	
1576	1E			1576	1372+	DC	AL(ERMLCT)(29+ERMLCT)	COUNT OF MESSAGE	
1577	D5D640E2E4E2D7C5			1593	1373+	DC	CL29'NO SUSPECTED DEFECTIVE TRACKS'		
157F	C3E3C5C440C4C5C6				1373+				
1587	C5C3E3C9E5C540E3				1373+				
158F	D9C1C3D2E2				1373+				
					1374+***		END OF EXPANSION ***		
					1376 *	\$MSG	SEQNR-129,ERRNR-491,CNT-22,		X
					1377 *		TXT-'INVALID COMPONENT NAME'		
				1594	1378+ERM129	EQU	*	ADDRESS OF MESSAGE	
1594	F4F9F1			1596	1379+	DC	CL(ERMLDN)'491'	ERROR NUMBER	
1597	17			1597	1380+	DC	AL(ERMLCT)(22+ERMLCT)	COUNT OF MESSAGE	
1598	C9D5E5C1D3C9C440			15AD	1381+	DC	CL22'INVALID COMPONENT NAME'		
15A0	C3D6D4D7D6D5C5D5				1381+				
15A8	E340D5C1D4C5				1381+				
					1382+***		END OF EXPANSION ***		
					1384 *	\$MSG	SEQNR-130,ERRNR-492,CNT-27,		X
					1385 *		TXT-'NO "HDR" OR "PTF" STATEMENT'		
				15AE	1386+ERM130	EQU	*	ADDRESS OF MESSAGE	
15AE	F4F9F2			15B0	1387+	DC	CL(ERMLDN)'492'	ERROR NUMBER	
15B1	1C			15B1	1388+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE	
15B2	D5D6407FC8C4D97F			15CC	1389+	DC	CL27'NO "HDR" OR "PTF" STATEMENT'		
15BA	40D6D9407FD7E3C6				1389+				
15C2	7F40E2E3C1E3C5D4				1389+				
15CA	C5D5E3				1389+				
					1390+***		END OF EXPANSION ***		

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 37
					1392 *	\$MSG	SEQNR-131,ERRNR-493,CNT-18,	X
					1393 *		TXT-'INCORRECT CHECKSUM'	
				15CD	1394+ERM131	EQU	*	ADDRESS OF MESSAGE
15CD	F4F9F3			15CF	1395+	DC	CL(ERMLDN)'493'	ERROR NUMBER
15D0	13			15D0	1396+	DC	AL(ERMLCT)(18+ERMLCT)	COUNT OF MESSAGE
15D1	C9D5C3D6D9D9C5C3			15E2	1397+	DC	CL18'INCORRECT CHECKSUM'	
15D9	E340C3C8C5C3D2E2				1397+			
15E1	E4D4				1397+			
					1398+***		END OF EXPANSION ***	
					1400 *	\$MSG	SEQNR-132,ERRNR-494,CNT-21,	X
					1401 *		TXT-'NO "PTF" FILE ON DISK'	
				15E3	1402+ERM132	EQU	*	ADDRESS OF MESSAGE
15E3	F4F9F4			15E5	1403+	DC	CL(ERMLDN)'494'	ERROR NUMBER
15E6	16			15E6	1404+	DC	AL(ERMLCT)(21+ERMLCT)	COUNT OF MESSAGE
15E7	D5D6407FD7E3C67F			15FB	1405+	DC	CL21'NO "PTF" FILE ON DISK'	
15EF	40C6C9D3C540D6D5				1405+			
15F7	40C4C9E2D2				1405+			
					1406+***		END OF EXPANSION ***	
					1408 *	\$MSG	SEQNR-133,ERRNR-495,CNT-30,	X
					1409 *		TXT-'SYSTEM RELEASE LEVEL INCORRECT'	
				15FC	1410+ERM133	EQU	*	ADDRESS OF MESSAGE
15FC	F4F9F5			15FE	1411+	DC	CL(ERMLDN)'495'	ERROR NUMBER
15FF	1F			15FF	1412+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE
1600	E2E8E2E3C5D440D9			161D	1413+	DC	CL30'SYSTEM RELEASE LEVEL INCORRECT'	
1608	C5D3C5C1E2C540D3				1413+			
1610	C5E5C5D340C9D5C3				1413+			
1618	D6D9D9C5C3E3				1413+			
					1414+***		END OF EXPANSION ***	
					1416 *	\$MSG	SEQNR-134,ERRNR-496,CNT-31,	X
					1417 *		TXT-'THIS PTF NOT IN "PTF" DISK FILE'	
				161E	1418+ERM134	EQU	*	ADDRESS OF MESSAGE
161E	F4F9F6			1620	1419+	DC	CL(ERMLDN)'496'	ERROR NUMBER
1621	20			1621	1420+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
1622	E3C8C9E240D7E3C6			1640	1421+	DC	CL31'THIS PTF NOT IN "PTF" DISK FILE'	
162A	40D5D6E340C9D540				1421+			
1632	7FD7E3C67F40C4C9				1421+			
163A	E2D240C6C9D3C5				1421+			
					1422+***		END OF EXPANSION ***	
					1424 *	\$MSG	SEQNR-135,ERRNR-497,CNT-36,	X
					1425 *		TXT-'FULL WORKAREA ON <CURRENT> SYSTEM DISK'	
				1641	1426+ERM135	EQU	*	ADDRESS OF MESSAGE
1641	F4F9F7			1643	1427+	DC	CL(ERMLDN)'497'	ERROR NUMBER
1644	25			1644	1428+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE
1645	C6E4D3D340E6D6D9			1668	1429+	DC	CL36'FULL WORKAREA ON <CURRENT> SYSTEM DISK'	
164D	D2C1D9C5C140D6D5				1429+			
1655	404CC3E4D9D9C5D5				1429+			
165D	E36E40E2E8E2E3C5				1429+			
1665	D440C4C9				1429+			
					1430+***		END OF EXPANSION ***	
					1432 *	\$MSG	SEQNR-136,ERRNR-498,CNT-18,	X
					1433 *		TXT-'TRACK NOT ASSIGNED'	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 38
			1669	1434+	ERM136	EQU *	ADDRESS OF MESSAGE
1669	F4F9F8		166B	1435+		DC CL(ERMLDN)'498'	ERROR NUMBER
166C	13		166C	1436+		DC AL(ERMLCT)(18+ERMLCT)	COUNT OF MESSAGE
166D	E3D9C1C3D240D5D6		167E	1437+		DC CL18'TRACK NOT ASSIGNED'	
1675	E340C1E2E2C9C7D5			1437+			
167D	C5C4			1437+			
				1438+	***	END OF EXPANSION ***	
				1440	*	\$MSG SEQNR-137,ERRNR-500,CNT-50,	X
				1441	*	TXT-'LINE LGTH LIMIT EXCEEDED-1 OR MORE LINES TRUNCATED'	
			167F	1442+	ERM137	EQU *	ADDRESS OF MESSAGE
167F	F5F0F0		1681	1443+		DC CL(ERMLDN)'500'	ERROR NUMBER
1682	33		1682	1444+		DC AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE
1683	D3C9D5C540D3C7E3		16B4	1445+		DC CL50'LINE LGTH LIMIT EXCEEDED-1 OR MORE LINES TRUNCATED'	
168B	C840D3C9D4C9E340			1445+			
1693	C5E7C3C5C5C4C5C4			1445+			
169B	60F140D6D940D4D6			1445+			
16A3	D9C540D3C9D5C5E2			1445+			
16AB	40E3D9E4D5C3C1E3			1445+			
16B3	C5C4			1445+			
				1446+	***	END OF EXPANSION ***	
				1448	*	\$MSG SEQNR-138,ERRNR-501,CNT-48,	X
				1449	*	TXT-'<WORK FILE> SIZE LIMIT EXCEEDED - FILE TRUNCATED'	
			16B5	1450+	ERM138	EQU *	ADDRESS OF MESSAGE
16B5	F5F0F1		16B7	1451+		DC CL(ERMLDN)'501'	ERROR NUMBER
16B8	31		16B8	1452+		DC AL(ERMLCT)(48+ERMLCT)	COUNT OF MESSAGE
16B9	4CE6D6D9D240C6C9		16E8	1453+		DC CL48'<WORK FILE> SIZE LIMIT EXCEEDED - FILE TRUNCATED'	
16C1	D3C56E40E2C9E9C5			1453+			
16C9	40D3C9D4C9E340C5			1453+			
16D1	E7C3C5C5C4C5C440			1453+			
16D9	6040C6C9D3C540E3			1453+			
16E1	D9E4D5C3C1E3C5C4			1453+			
				1454+	***	END OF EXPANSION ***	
				1456	*	\$MSG SEQNR-139,ERRNR-510,CNT-31,	X
				1457	*	TXT-'<WORK FILE> SIZE LIMIT EXCEEDED'	
			16E9	1458+	ERM139	EQU *	ADDRESS OF MESSAGE
16E9	F5F1F0		16EB	1459+		DC CL(ERMLDN)'510'	ERROR NUMBER
16EC	20		16EC	1460+		DC AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
16ED	4CE6D6D9D240C6C9		170B	1461+		DC CL31'<WORK FILE> SIZE LIMIT EXCEEDED'	
16F5	D3C56E40E2C9E9C5			1461+			
16FD	40D3C9D4C9E340C5			1461+			
1705	E7C3C5C5C4C5C4			1461+			
				1462+	***	END OF EXPANSION ***	
				1464	*	\$MSG SEQNR-140,ERRNR-531,CNT-31,	X
				1465	*	TXT-'<WORK FILE> LINE LIMIT EXCEEDED'	
			170C	1466+	ERM140	EQU *	ADDRESS OF MESSAGE
170C	F5F3F1		170E	1467+		DC CL(ERMLDN)'531'	ERROR NUMBER
170F	20		170F	1468+		DC AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
1710	4CE6D6D9D240C6C9		172E	1469+		DC CL31'<WORK FILE> LINE LIMIT EXCEEDED'	
1718	D3C56E40D3C9D5C5			1469+			
1720	40D3C9D4C9E340C5			1469+			
1728	E7C3C5C5C4C5C4			1469+			
				1470+	***	END OF EXPANSION ***	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 39	
					1472 *	\$MSG	SEQNR-141,ERRNR-515,CNT-30,		X
					1473 *		TXT-'WRONG/NO <WORKAREA> ON R1 & F1'		
				172F	1474+ERM141	EQU	* ADDRESS OF MESSAGE		
172F	F5F1F5			1731	1475+	DC	CL(ERMLDN)'515'	ERROR NUMBER	
1732	1F			1732	1476+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE	
1733	E6D9D6D5C761D5D6			1750	1477+	DC	CL30'WRONG/NO <WORKAREA> ON R1 & F1'		
173B	404CE6D6D9D2C1D9				1477+				
1743	C5C16E40D6D540D9				1477+				
174B	F1405040C6F1				1477+				
					1478+***	END OF EXPANSION ***			
					1480 *	\$MSG	SEQNR-142,ERRNR-540,CNT-35,		X
					1481 *		TXT-'RIGHT MARGIN EXCEEDED--LINE IGNORED'		
				1751	1482+ERM142	EQU	* ADDRESS OF MESSAGE		
1751	F5F4F0			1753	1483+	DC	CL(ERMLDN)'540'	ERROR NUMBER	
1754	24			1754	1484+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE	
1755	D9C9C7C8E340D4C1			1777	1485+	DC	CL35'RIGHT MARGIN EXCEEDED--LINE IGNORED'		
175D	D9C7C9D540C5E7C3				1485+				
1765	C5C5C4C5C46060D3				1485+				
176D	C9D5C540C9C7D5D6				1485+				
1775	D9C5C4				1485+				
					1486+***	END OF EXPANSION ***			
					1488 *	\$MSG	SEQNR-143,ERRNR-541,CNT-39,		X
					1489 *		TXT-'<CURRENT> PASSWORD/DISK LABEL CANCELLED'		
				1778	1490+ERM143	EQU	* ADDRESS OF MESSAGE		
1778	F5F4F1			177A	1491+	DC	CL(ERMLDN)'541'	ERROR NUMBER	
177B	28			177B	1492+	DC	AL(ERMLCT)(39+ERMLCT)	COUNT OF MESSAGE	
177C	4CC3E4D9D9C5D5E3			17A2	1493+	DC	CL39'<CURRENT> PASSWORD/DISK LABEL CANCELLED'		
1784	6E40D7C1E2E2E6D6				1493+				
178C	D9C461C4C9E2D240				1493+				
1794	D3C1C2C5D340C3C1				1493+				
179C	D5C3C5D3D3C5C4				1493+				
					1494+***	END OF EXPANSION ***			
					1496 *	\$MSG	SEQNR-144,ERRNR-542,CNT-50,		X
					1497 *		TXT-'DISK CYLINDER SIZE DOES NOT MATCH MACHINE CAPACITY'		
				17A3	1498+ERM144	EQU	* ADDRESS OF MESSAGE		
17A3	F5F4F2			17A5	1499+	DC	CL(ERMLDN)'542'	ERROR NUMBER	
17A6	33			17A6	1500+	DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE	
17A7	C4C9E2D240C3E8D3			17D8	1501+	DC	CL50'DISK CYLINDER SIZE DOES NOT MATCH MACHINE CAPACITY'		
17AF	C9D5C4C5D940E2C9				1501+				
17B7	E9C540C4D6C5E240				1501+				
17BF	D5D6E340D4C1E3C3				1501+				
17C7	C840D4C1C3C8C9D5				1501+				
17CF	C540C3C1D7C1C3C9				1501+				
17D7	E3E8				1501+				
					1502+***	END OF EXPANSION ***			
					1504 *	\$MSG	SEQNR-145,ERRNR-543,CNT-20,		X
					1505 *		TXT-'R1 NOT INITIALIZED'		
				17D9	1506+ERM145	EQU	* ADDRESS OF MESSAGE		
17D9	F5F4F3			17DB	1507+	DC	CL(ERMLDN)'543'	ERROR NUMBER	
17DC	15			17DC	1508+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
17DD	D9F140D5D6E340C9			17F0	1509+	DC	CL20'R1 NOT INITIALIZED'		
17E5	D5C9E3C9C1D3C9E9				1509+				

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	40
17ED	C5C44040				1509+		1510+*** END OF EXPANSION ***				
					1512 *	\$MSG	SEQNR-146,ERRNR-544,CNT-20,			X	
					1513 *		TXT-'R2 NOT INITIALIZED'				
				17F1	1514+ERM146	EQU	*			ADDRESS OF MESSAGE	
17F1	F5F4F4			17F3	1515+	DC	CL(ERMLDN)'544'			ERROR NUMBER	
17F4	15			17F4	1516+	DC	AL(ERMLCT)(20+ERMLCT)			COUNT OF MESSAGE	
17F5	D9F240D5D6E340C9			1808	1517+	DC	CL20'R2 NOT INITIALIZED'				
17FD	D5C9E3C9C1D3C9E9				1517+						
1805	C5C44040				1517+						
					1518+***		END OF EXPANSION ***				
					1520 *	\$MSG	SEQNR-147,ERRNR-545,CNT-20,			X	
					1521 *		TXT-'F1 NOT INITIALIZED'				
				1809	1522+ERM147	EQU	*			ADDRESS OF MESSAGE	
1809	F5F4F5			180B	1523+	DC	CL(ERMLDN)'545'			ERROR NUMBER	
180C	15			180C	1524+	DC	AL(ERMLCT)(20+ERMLCT)			COUNT OF MESSAGE	
180D	C6F140D5D6E340C9			1820	1525+	DC	CL20'F1 NOT INITIALIZED'				
1815	D5C9E3C9C1D3C9E9				1525+						
181D	C5C44040				1525+						
					1526+***		END OF EXPANSION ***				
					1528 *	\$MSG	SEQNR-148,ERRNR-346,CNT-20,			X	
					1529 *		TXT-'F2 NOT INITIALIZED'				
				1821	1530+ERM148	EQU	*			ADDRESS OF MESSAGE	
1821	F3F4F6			1823	1531+	DC	CL(ERMLDN)'346'			ERROR NUMBER	
1824	15			1824	1532+	DC	AL(ERMLCT)(20+ERMLCT)			COUNT OF MESSAGE	
1825	C6F240D5D6E340C9			1838	1533+	DC	CL20'F2 NOT INITIALIZED'				
182D	D5C9E3C9C1D3C9E9				1533+						
1835	C5C44040				1533+						
					1534+***		END OF EXPANSION ***				
					1536 *	\$MSG	SEQNR-149,ERRNR-547,CNT-36,			X	
					1537 *		TXT-'MINIMUM CONFIGURATION RECORD ASSUMED'				
				1839	1538+ERM149	EQU	*			ADDRESS OF MESSAGE	
1839	F5F4F7			183B	1539+	DC	CL(ERMLDN)'547'			ERROR NUMBER	
183C	25			183C	1540+	DC	AL(ERMLCT)(36+ERMLCT)			COUNT OF MESSAGE	
183D	D4C9D5C9D4E4D440			1860	1541+	DC	CL36'MINIMUM CONFIGURATION RECORD ASSUMED'				
1845	C3D6D5C6C9C7E4D9				1541+						
184D	C1E3C9D6D540D9C5				1541+						
1855	C3D6D9C440C1E2E2				1541+						
185D	E4D4C5C4				1541+						
					1542+***		END OF EXPANSION ***				
					1544 *	\$MSG	SEQNR-150,ERRNR-549,CNT-50,			X	
					1545 *		TXT-'PRINTER UNAVAILABLE DUE TO PREVIOUS PRINT FAILURE'				
				1861	1546+ERM150	EQU	*			ADDRESS OF MESSAGE	
1861	F5F4F9			1863	1547+	DC	CL(ERMLDN)'549'			ERROR NUMBER	
1864	33			1864	1548+	DC	AL(ERMLCT)(50+ERMLCT)			COUNT OF MESSAGE	
1865	D7D9C9D5E3C5D940			1896	1549+	DC	CL50'PRINTER UNAVAILABLE DUE TO PREVIOUS PRINT FAILURE'				
186D	E4D5C1E5C1C9D3C1				1549+						
1875	C2D3C540C4E4C540				1549+						
187D	E3D640D7D9C5E5C9				1549+						
1885	D6E4E240D7D9C9D5				1549+						
188D	E340C6C1C9D3E4D9				1549+						

##ERMS - ERROR MESSAGES

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 41
1895	C540		1549+		1550+*** END OF EXPANSION ***			
			1552 *	\$MSG	SEQNR-151,ERRNR-550,CNT-33,			X
			1553 *		TXT-'TRAGIC DISK ERROR - BAD WORK FILE'			
		1897	1554+ERM151	EQU	* ADDRESS OF MESSAGE			
1897	F5F5F0	1899	1555+	DC	CL(ERMLDN)'550'			
189A	22	189A	1556+	DC	AL(ERMLCT)(33+ERMLCT)			
189B	E3D9C1C7C9C340C4	18BB	1557+	DC	CL33'TRAGIC DISK ERROR - BAD WORK FILE'			
18A3	C9E2D240C5D9D9D6		1557+					
18AB	D9406040C2C1C440		1557+					
18B3	E6D6D9D240C6C9D3		1557+					
18BB	C5		1557+					
			1558+***		END OF EXPANSION ***			
			1560 *	\$MSG	SEQNR-152,ERRNR-551,CNT-34,			X
			1561 *		TXT-'TRAGIC DISK ERROR - BAD SAVED FILE'			
		18BC	1562+ERM152	EQU	* ADDRESS OF MESSAGE			
18BC	F5F5F1	18BE	1563+	DC	CL(ERMLDN)'551'			
18BF	23	18BF	1564+	DC	AL(ERMLCT)(34+ERMLCT)			
18C0	E3D9C1C7C9C340C4	18E1	1565+	DC	CL34'TRAGIC DISK ERROR - BAD SAVED FILE'			
18C8	C9E2D240C5D9D9D6		1565+					
18D0	D9406040C2C1C440		1565+					
18D8	E2C1E5C5C440C6C9		1565+					
18E0	D3C5		1565+					
			1566+***		END OF EXPANSION ***			
			1568 *	\$MSG	SEQNR-153,ERRNR-552,CNT-48,			X
			1569 *		TXT-'TRAGIC DISK ERROR - <CURRENT> PASSWORD NOT FOUND'			
		18E2	1570+ERM153	EQU	* ADDRESS OF MESSAGE			
18E2	F5F5F2	18E4	1571+	DC	CL(ERMLDN)'552'			
18E5	31	18E5	1572+	DC	AL(ERMLCT)(48+ERMLCT)			
18E6	E3D9C1C7C9C340C4	1915	1573+	DC	CL48'TRAGIC DISK ERROR - <CURRENT> PASSWORD NOT FOUND'			
18EE	C9E2D240C5D9D9D6		1573+					
18F6	D94060404CC3E4D9		1573+					
18FE	D9C5D5E36E40D7C1		1573+					
1906	E2E2E6D6D9C440D5		1573+					
190E	D6E340C6D6E4D5C4		1573+					
			1574+***		END OF EXPANSION ***			
			1576 *	\$MSG	SEQNR-154,ERRNR-553,CNT-48,			X
			1577 *		TXT-'TRAGIC DISK ERROR - POOLED FILE NOT IN DIRECTORY'			
		1916	1578+ERM154	EQU	* ADDRESS OF MESSAGE			
1916	F5F5F3	1918	1579+	DC	CL(ERMLDN)'553'			
1919	31	1919	1580+	DC	AL(ERMLCT)(48+ERMLCT)			
191A	E3D9C1C7C9C340C4	1949	1581+	DC	CL48'TRAGIC DISK ERROR - POOLED FILE NOT IN DIRECTORY'			
1922	C9E2D240C5D9D9D6		1581+					
192A	D9406040D7D6D6D3		1581+					
1932	C5C440C6C9D3C540		1581+					
193A	D5D6E340C9D540C4		1581+					
1942	C9D9C5C3E3D6D9E8		1581+					
			1582+***		END OF EXPANSION ***			
			1584 *	\$MSG	SEQNR-155,ERRNR-554,CNT-46,			X
			1585 *		TXT-'TRAGIC DISK ERROR - BAD FILENAME IN POOLED DIR.'			
		194A	1586+ERM155	EQU	* ADDRESS OF MESSAGE			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	42
194A	F5F5F4	194C	1587+	DC	CL(ERMLDN)'554'		ERROR NUMBER				
194D	2F	194D	1588+	DC	AL(ERMLCT)(46+ERMLCT)		COUNT OF MESSAGE				
194E	E3D9C1C7C9C340C4	197B	1589+	DC	CL46'TRAGIC DISK ERROR - BAD FILENAME IN POOLED DIR.'						
1956	C9E2D240C5D9D9D6		1589+								
195E	D9406040C2C1C440		1589+								
1966	C6C9D3C5D5C1D4C5		1589+								
196E	40C9D540D7D6D6D3		1589+								
1976	C5C440C4C9D9		1589+								
			1590+	***	END OF EXPANSION	***					
			1592 *	\$MSG	SEQNR-156,ERRNR-555,CNT-41,					X	
			1593 *		TXT-'TRAGIC DISK ERROR - <OPEN> DISK FILE GONE'						
		197C	1594+ERM156	EQU	*		ADDRESS OF MESSAGE				
197C	F5F5F5	197E	1595+	DC	CL(ERMLDN)'555'		ERROR NUMBER				
197F	2A	197F	1596+	DC	AL(ERMLCT)(41+ERMLCT)		COUNT OF MESSAGE				
1980	E3D9C1C7C9C340C4	19A8	1597+	DC	CL41'TRAGIC DISK ERROR - <OPEN> DISK FILE GONE'						
1988	C9E2D240C5D9D9D6		1597+								
1990	D94060404CD6D7C5		1597+								
1998	D56E40C4C9E2D240		1597+								
19A0	C6C9D3C540C7D6D5		1597+								
19A8	C5		1597+								
			1598+	***	END OF EXPANSION	***					
			1600 *	\$MSG	SEQNR-157,ERRNR-556,CNT-50,					X	
			1601 *		TXT-'TRAGIC DISK ERROR - PARAMETERS HAVE BEEN DESTROYED'						
		19A9	1602+ERM157	EQU	*		ADDRESS OF MESSAGE				
19A9	F5F5F6	19AB	1603+	DC	CL(ERMLDN)'556'		ERROR NUMBER				
19AC	33	19AC	1604+	DC	AL(ERMLCT)(50+ERMLCT)		COUNT OF MESSAGE				
19AD	E3D9C1C7C9C340C4	19DE	1605+	DC	CL50'TRAGIC DISK ERROR - PARAMETERS HAVE BEEN DESTROYED'						
19B5	C9E2D240C5D9D9D6		1605+								
19BD	D9406040D7C1D9C1		1605+								
19C5	D4C5E3C5D9E240C8		1605+								
19CD	C1E5C540C2C5C5D5		1605+								
19D5	40C4C5E2E3D9D6E8		1605+								
19DD	C5C4		1605+								
			1606+	***	END OF EXPANSION	***					
			1608 *	\$MSG	SEQNR-158,ERRNR-558,CNT-45,					X	
			1609 *		TXT-'CURRENT SYSTEM PROGRAM FILE ON DISK SPECIFIED'						
		19DF	1610+ERM158	EQU	*		ADDRESS OF MESSAGE				
19DF	F5F5F8	19E1	1611+	DC	CL(ERMLDN)'558'		ERROR NUMBER				
19E2	2E	19E2	1612+	DC	AL(ERMLCT)(45+ERMLCT)		COUNT OF MESSAGE				
19E3	C3E4D9D9C5D5E340	1A0F	1613+	DC	CL45'CURRENT SYSTEM PROGRAM FILE ON DISK SPECIFIED'						
19EB	E2E8E2E3C5D440D7		1613+								
19F3	D9D6C7D9C1D440C6		1613+								
19FB	C9D3C540D6D540C4		1613+								
1A03	C9E2D240E2D7C5C3		1613+								
1A0B	C9C6C9C5C4		1613+								
			1614+	***	END OF EXPANSION	***					
			1616 *	\$MSG	SEQNR-159,ERRNR-570,CNT-40,					X	
			1617 *		TXT-'ONE OR MORE LINES TRUNCATED WHEN PUNCHED'						
		1A10	1618+ERM159	EQU	*		ADDRESS OF MESSAGE				
1A10	F5F7F0	1A12	1619+	DC	CL(ERMLDN)'570'		ERROR NUMBER				
1A13	29	1A13	1620+	DC	AL(ERMLCT)(40+ERMLCT)		COUNT OF MESSAGE				
1A14	D6D5C540D6D940D4	1A3B	1621+	DC	CL40'ONE OR MORE LINES TRUNCATED WHEN PUNCHED'						

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	43
1A1C	D6D9C540D3C9D5C5				1621+						
1A24	E240E3D9E4D5C3C1				1621+						
1A2C	E3C5C440E6C8C5D5				1621+						
1A34	40D7E4D5C3C8C5C4				1621+						
					1622+	***	END OF EXPANSION ***				
					1624	*	\$MSG SEQNR-160,ERRNR-571,CNT-34,				X
					1625	*	TXT-'ONE OR MORE DISABLED LINES PUNCHED'				
				1A3C	1626+	ERM160	EQU *				ADDRESS OF MESSAGE
1A3C	F5F7F1			1A3E	1627+		DC CL(ERMLDN)'571'				ERROR NUMBER
1A3F	23			1A3F	1628+		DC AL(ERMLCT)(34+ERMLCT)				COUNT OF MESSAGE
1A40	D6D5C540D6D940D4			1A61	1629+		DC CL34'ONE OR MORE DISABLED LINES PUNCHED'				
1A48	D6D9C540C4C9E2C1				1629+						
1A50	C2D3C5C440D3C9D5				1629+						
1A58	C5E240D7E4D5C3C8				1629+						
1A60	C5C4				1629+						
					1630+	***	END OF EXPANSION ***				
					1632	*	\$MSG SEQNR-161,ERRNR-572,CNT-28,				X
					1633	*	TXT-'WRONG OR NO <WORKAREA> ON F1'				
				1A62	1634+	ERM161	EQU *				ADDRESS OF MESSAGE
1A62	F5F7F2			1A64	1635+		DC CL(ERMLDN)'572'				ERROR NUMBER
1A65	1D			1A65	1636+		DC AL(ERMLCT)(28+ERMLCT)				COUNT OF MESSAGE
1A66	E6D9D6D5C740D6D9			1A81	1637+		DC CL28'WRONG OR NO <WORKAREA> ON F1'				
1A6E	40D5D6404CE6D6D9				1637+						
1A76	D2C1D9C5C16E40D6				1637+						
1A7E	D540C6F1				1637+						
					1638+	***	END OF EXPANSION ***				
					1640	*	\$MSG SEQNR-162,ERRNR-573,CNT-28,				X
					1641	*	TXT-'WRONG OR NO <WORKAREA> ON R1'				
				1A82	1642+	ERM162	EQU *				ADDRESS OF MESSAGE
1A82	F5F7F3			1A84	1643+		DC CL(ERMLDN)'573'				ERROR NUMBER
1A85	1D			1A85	1644+		DC AL(ERMLCT)(28+ERMLCT)				COUNT OF MESSAGE
1A86	E6D9D6D5C740D6D9			1AA1	1645+		DC CL28'WRONG OR NO <WORKAREA> ON R1'				
1A8E	40D5D6404CE6D6D9				1645+						
1A96	D2C1D9C5C16E40D6				1645+						
1A9E	D540D9F1				1645+						
					1646+	***	END OF EXPANSION ***				
					1648	*	\$MSG SEQNR-163,ERRNR-574,CNT-43,				X
					1649	*	TXT-'NEXT AUTOMATIC LINE NUMBER WILL EXCEED 9999'				
				1AA2	1650+	ERM163	EQU *				ADDRESS OF MESSAGE
1AA2	F5F7F4			1AA4	1651+		DC CL(ERMLDN)'574'				ERROR NUMBER
1AA5	2C			1AA5	1652+		DC AL(ERMLCT)(43+ERMLCT)				COUNT OF MESSAGE
1AA6	D5C5E7E340C1E4E3			1AD0	1653+		DC CL43'NEXT AUTOMATIC LINE NUMBER WILL EXCEED 9999'				
1AAE	D6D4C1E3C9C340D3				1653+						
1AB6	C9D5C540D5E4D4C2				1653+						
1ABE	C5D940E6C9D3D340				1653+						
1AC6	C5E7C3C5C5C440F9				1653+						
1ACE	F9F9F9				1653+						
					1654+	***	END OF EXPANSION ***				
					1656	*	\$MSG SEQNR-164,ERRNR-578,CNT-50,				X
					1657	*	TXT-'RESPONSE NOT ALLOWED WITH CARDS OR PROCEDURE INPUT'				
				1AD1	1658+	ERM164	EQU *				ADDRESS OF MESSAGE

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	44
1AD1	F5F7F8			1AD3	1659+	DC	CL(ERMLDN)'578'				ERROR NUMBER
1AD4	33			1AD4	1660+	DC	AL(ERMLCT)(50+ERMLCT)				COUNT OF MESSAGE
1AD5	D9C5E2D7D6D5E2C5			1B06	1661+	DC	CL50'RESPONSE NOT ALLOWED WITH CARDS OR PROCEDURE INPUT'				
1ADD	40D5D6E340C1D3D3				1661+						
1AE5	D6E6C5C440E6C9E3				1661+						
1AED	C840C3C1D9C4E240				1661+						
1AF5	D6D940D7D9D6C3C5				1661+						
1AFD	C4E4D9C540C9D5D7				1661+						
1B05	E4E3				1661+						
					1662+	***	END OF EXPANSION ***				
					1664	*	\$MSG SEQNR-165,ERRNR-585,CNT-48,				X
					1665	*	TXT-'REQUESTED TRACK SPACE EXCEEDS DISK CONFIGURATION'				
				1B07	1666+ERM165	EQU	*				ADDRESS OF MESSAGE
1B07	F5F8F5			1B09	1667+	DC	CL(ERMLDN)'585'				ERROR NUMBER
1B0A	31			1B0A	1668+	DC	AL(ERMLCT)(48+ERMLCT)				COUNT OF MESSAGE
1B0B	D9C5D8E4C5E2E3C5			1B3A	1669+	DC	CL48'REQUESTED TRACK SPACE EXCEEDS DISK CONFIGURATION'				
1B13	C440E3D9C1C3D240				1669+						
1B1B	E2D7C1C3C540C5E7				1669+						
1B23	C3C5C5C4E240C4C9				1669+						
1B2B	E2D240C3D6D5C6C9				1669+						
1B33	C7E4D9C1E3C9D6D5				1669+						
					1670+	***	END OF EXPANSION ***				
					1672	*	\$MSG SEQNR-166,ERRNR-600,CNT-33,				X
					1673	*	TXT-'DIM ARRAY NAME PREVIOUSLY DEFINED'				
				1B3B	1674+ERM166	EQU	*				ADDRESS OF MESSAGE
1B3B	F6F0F0			1B3D	1675+	DC	CL(ERMLDN)'600'				ERROR NUMBER
1B3E	22			1B3E	1676+	DC	AL(ERMLCT)(33+ERMLCT)				COUNT OF MESSAGE
1B3F	C4C9D440C1D9D9C1			1B5F	1677+	DC	CL33'DIM ARRAY NAME PREVIOUSLY DEFINED'				
1B47	E840D5C1D4C540D7				1677+						
1B4F	D9C5E5C9D6E4E2D3				1677+						
1B57	E840C4C5C6C9D5C5				1677+						
1B5F	C4				1677+						
					1678+	***	END OF EXPANSION ***				
					1680	*	\$MSG SEQNR-167,ERRNR-601,CNT-40,				X
					1681	*	TXT-'REFERENCED MATRIX NOT PREVIOUSLY DEFINED'				
				1B60	1682+ERM167	EQU	*				ADDRESS OF MESSAGE
1B60	F6F0F1			1B62	1683+	DC	CL(ERMLDN)'601'				ERROR NUMBER
1B63	29			1B63	1684+	DC	AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
1B64	D9C5C6C5D9C5D5C3			1B8B	1685+	DC	CL40'REFERENCED MATRIX NOT PREVIOUSLY DEFINED'				
1B6C	C5C440D4C1E3D9C9				1685+						
1B74	E740D5D6E340D7D9				1685+						
1B7C	C5E5C9D6E4E2D3E8				1685+						
1B84	40C4C5C6C9D5C5C4				1685+						
					1686+	***	END OF EXPANSION ***				
					1688	*	\$MSG SEQNR-168,ERRNR-602,CNT-27,				X
					1689	*	TXT-'MATRIX REFERENCED AS VECTOR'				
				1B8C	1690+ERM168	EQU	*				ADDRESS OF MESSAGE
1B8C	F6F0F2			1B8E	1691+	DC	CL(ERMLDN)'602'				ERROR NUMBER
1B8F	1C			1B8F	1692+	DC	AL(ERMLCT)(27+ERMLCT)				COUNT OF MESSAGE
1B90	D4C1E3D9C9E740D9			1BAA	1693+	DC	CL27'MATRIX REFERENCED AS VECTOR'				
1B98	C5C6C5D9C5D5C3C5				1693+						
1BA0	C440C1E240E5C5C3				1693+						

##ERMS - ERROR MESSAGES

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1BA8 E3D6D9 1693+
1694+*** END OF EXPANSION ***

1696 * \$MSG SEQNR-169,ERRNR-603,CNT-27, X
1697 * TXT-'VECTOR REFERENCED AS MATRIX'
1BAB 1698+ERM169 EQU * ADDRESS OF MESSAGE

1BAB F6F0F3 1BAD 1699+ DC CL(ERMLDN)'603' ERROR NUMBER
1BAE 1C 1BAE 1700+ DC AL(ERMLCT)(27+ERMLCT) COUNT OF MESSAGE
1BAF E5C5C3E3D6D940D9 1BC9 1701+ DC CL27'VECTOR REFERENCED AS MATRIX'
1BB7 C5C6C5D9C5D5C3C5 1701+
1BBF C440C1E240D4C1E3 1701+
1BC7 D9C9E7 1701+
1702+*** END OF EXPANSION ***

1704 * \$MSG SEQNR-170,ERRNR-604,CNT-37, X
1705 * TXT-'DUPLICATE DEFINITION OF USER FUNCTION'
1BCA 1706+ERM170 EQU * ADDRESS OF MESSAGE

1BCA F6F0F4 1BCC 1707+ DC CL(ERMLDN)'604' ERROR NUMBER
1BCD 26 1BCD 1708+ DC AL(ERMLCT)(37+ERMLCT) COUNT OF MESSAGE
1BCE C4E4D7D3C9C3C1E3 1BF2 1709+ DC CL37'DUPLICATE DEFINITION OF USER FUNCTION'
1BD6 C540C4C5C6C9D5C9 1709+
1BDE E3C9D6D540D6C640 1709+
1BE6 E4E2C5D940C6E4D5 1709+
1BEE C3E3C9D6D5 1709+
1710+*** END OF EXPANSION ***

1712 * \$MSG SEQNR-171,ERRNR-606,CNT-32, X
1713 * TXT- '<NEXT> STATEMENT OUT OF SEQUENCE'
1BF3 1714+ERM171 EQU * ADDRESS OF MESSAGE

1BF3 F6F0F6 1BF5 1715+ DC CL(ERMLDN)'606' ERROR NUMBER
1BF6 21 1BF6 1716+ DC AL(ERMLCT)(32+ERMLCT) COUNT OF MESSAGE
1BF7 4CD5C5E7E36E40E2 1C16 1717+ DC CL32'<NEXT> STATEMENT OUT OF SEQUENCE'
1BFF E3C1E3C5D4C5D5E3 1717+
1C07 40D6E4E340D6C640 1717+
1C0F E2C5D8E4C5D5C3C5 1717+
1718+*** END OF EXPANSION ***

1720 * \$MSG SEQNR-172,ERRNR-607,CNT-29, X
1721 * TXT- '<FOR>/NEXT NESTED INCORRECTLY'
1C17 1722+ERM172 EQU * ADDRESS OF MESSAGE

1C17 F6F0F7 1C19 1723+ DC CL(ERMLDN)'607' ERROR NUMBER
1C1A 1E 1C1A 1724+ DC AL(ERMLCT)(29+ERMLCT) COUNT OF MESSAGE
1C1B 4CC6D6D96E61D5C5 1C37 1725+ DC CL29'<FOR>/NEXT NESTED INCORRECTLY'
1C23 E7E340D5C5E2E3C5 1725+
1C2B C440C9D5C3D6D9D9 1725+
1C33 C5C3E3D3E8 1725+
1726+*** END OF EXPANSION ***

1728 * \$MSG SEQNR-173,ERRNR-608,CNT-35, X
1729 * TXT- 'MORE THAN 9 NESTED <FOR/NEXT> LOOPS'
1C38 1730+ERM173 EQU * ADDRESS OF MESSAGE

1C38 F6F0F8 1C3A 1731+ DC CL(ERMLDN)'608' ERROR NUMBER
1C3B 24 1C3B 1732+ DC AL(ERMLCT)(35+ERMLCT) COUNT OF MESSAGE
1C3C D4D6D9C540E3C8C1 1C5E 1733+ DC CL35'MORE THAN 9 NESTED <FOR/NEXT> LOOPS'
1C44 D540F940D5C5E2E3 1733+
1C4C C5C4404CC6D6D961 1733+

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	46
1C54	D5C5E7E36E40D3D6			1733+						
1C5C	D6D7E2			1733+						
				1734+	***	END OF EXPANSION ***				
				1736 *	\$MSG	SEQNR-174,ERRNR-609,CNT-26,			X	
				1737 *		TXT-'<FOR>/NEXT LOOP INCOMPLETE'				
			1C5F	1738+ERM174	EQU	*			ADDRESS OF MESSAGE	
1C5F	F6F0F9		1C61	1739+	DC	CL(ERMLDN)'609'			ERROR NUMBER	
1C62	1B		1C62	1740+	DC	AL(ERMLCT)(26+ERMLCT)			COUNT OF MESSAGE	
1C63	4CC6D6D96E61D5C5		1C7C	1741+	DC	CL26'<FOR>/NEXT LOOP INCOMPLETE'				
1C6B	E7E340D3D6D6D740			1741+						
1C73	C9D5C3D6D4D7D3C5			1741+						
1C7B	E3C5			1741+						
				1742+	***	END OF EXPANSION ***				
				1744 *	\$MSG	SEQNR-175,ERRNR-610,CNT-26,			X	
				1745 *		TXT-'COMPILED PROGRAM TOO LARGE'				
			1C7D	1746+ERM175	EQU	*			ADDRESS OF MESSAGE	
1C7D	F6F1F0		1C7F	1747+	DC	CL(ERMLDN)'610'			ERROR NUMBER	
1C80	1B		1C80	1748+	DC	AL(ERMLCT)(26+ERMLCT)			COUNT OF MESSAGE	
1C81	C3D6D4D7C9D3C5C4		1C9A	1749+	DC	CL26'COMPILED PROGRAM TOO LARGE'				
1C89	40D7D9D6C7D9C1D4			1749+						
1C91	40E3D6D640D3C1D9			1749+						
1C99	C7C5			1749+						
				1750+	***	END OF EXPANSION ***				
				1752 *	\$MSG	SEQNR-176,ERRNR-611,CNT-23,			X	
				1753 *		TXT-'TOO MANY ARRY ELEMENST'				
			1C9B	1754+ERM176	EQU	*			ADDRESS OF MESSAGE	
1C9B	F6F1F1		1C9D	1755+	DC	CL(ERMLDN)'611'			ERROR NUMBER	
1C9E	18		1C9E	1756+	DC	AL(ERMLCT)(23+ERMLCT)			COUNT OF MESSAGE	
1C9F	E3D6D640D4C1D5E8		1CB5	1757+	DC	CL23'TOO MANY ARRY ELEMENST'				
1CA7	40C1D9D9E840C5D3			1757+						
1CAF	C5D4C5D5E2E340			1757+						
				1758+	***	END OF EXPANSION ***				
				1760 *	\$MSG	SEQNR-177,ERRNR-612,CNT-31,			X	
				1761 *		TXT-'TOO MANY LINE NUMBER REFERENCES'				
			1CB6	1762+ERM177	EQU	*			ADDRESS OF MESSAGE	
1CB6	F6F1F2		1CB8	1763+	DC	CL(ERMLDN)'612'			ERROR NUMBER	
1CB9	20		1CB9	1764+	DC	AL(ERMLCT)(31+ERMLCT)			COUNT OF MESSAGE	
1CBA	E3D6D640D4C1D5E8		1CD8	1765+	DC	CL31'TOO MANY LINE NUMBER REFERENCES'				
1CC2	40D3C9D5C540D5E4			1765+						
1CCA	D4C2C5D940D9C5C6			1765+						
1CD2	C5D9C5D5C3C5E2			1765+						
				1766+	***	END OF EXPANSION ***				
				1768 *	\$MSG	SEQNR-178,ERRNR-613,CNT-42,			X	
				1769 *		TXT-'STORAGE SPACE REQUIRED FOR FILES TOO LARGE'				
			1CD9	1770+ERM178	EQU	*			ADDRESS OF MESSAGE	
1CD9	F6F1F3		1CDB	1771+	DC	CL(ERMLDN)'613'			ERROR NUMBER	
1CDC	2B		1CDC	1772+	DC	AL(ERMLCT)(42+ERMLCT)			COUNT OF MESSAGE	
1CDD	E2E3D6D9C1C7C540		1D06	1773+	DC	CL42'STORAGE SPACE REQUIRED FOR FILES TOO LARGE'				
1CE5	E2D7C1C3C540D9C5			1773+						
1CED	D8E4C9D9C5C440C6			1773+						
1CF5	D6D940C6C9D3C5E2			1773+						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	47
1CFD	40E3D6D640D3C1D9				1773+						
1D05	C7C5				1773+						
					1774+	***	END OF EXPANSION ***				
					1776	*	\$MSG SEQNR-179,ERRNR-614,CNT-30,			X	
					1777	*	TXT-'FILE LINE PREVIOUSLY TRUNCATED'				
				1D07	1778+	ERM179	EQU	*	ADDRESS OF MESSAGE		
1D07	F6F1F4			1D09	1779+		DC	CL(ERMLDN)'614'	ERROR NUMBER		
1D0A	1F			1D0A	1780+		DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE		
1D0B	C6C9D3C540D3C9D5			1D28	1781+		DC	CL30'FILE LINE PREVIOUSLY TRUNCATED'			
1D13	C540D7D9C5E5C9D6				1781+						
1D1B	E4E2D3E840E3D9E4				1781+						
1D23	D5C3C1E3C5C4				1781+						
					1782+	***	END OF EXPANSION ***				
					1784	*	\$MSG SEQNR-180,ERRNR-700,CNT-35,			X	
					1785	*	TXT-'NON-EXISTENT LINE NUMBER REFERENCED'				
				1D29	1786+	ERM180	EQU	*	ADDRESS OF MESSAGE		
1D29	F7F0F0			1D2B	1787+		DC	CL(ERMLDN)'700'	ERROR NUMBER		
1D2C	24			1D2C	1788+		DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE		
1D2D	D5D6D560C5E7C9E2			1D4F	1789+		DC	CL35'NON-EXISTENT LINE NUMBER REFERENCED'			
1D35	E3C5D5E340D3C9D5				1789+						
1D3D	C540D5E4D4C2C5D9				1789+						
1D45	40D9C5C6C5D9C5D5				1789+						
1D4D	C3C5C4				1789+						
					1790+	***	END OF EXPANSION ***				
					1792	*	\$MSG SEQNR-181,ERRNR-701,CNT-37,			X	
					1793	*	TXT-'NON-EXISTENT USER FUNCTION REFERENCED'				
				1D50	1794+	ERM181	EQU	*	ADDRESS OF MESSAGE		
1D50	F7F0F1			1D52	1795+		DC	CL(ERMLDN)'701'	ERROR NUMBER		
1D53	26			1D53	1796+		DC	AL(ERMLCT)(37+ERMLCT)	COUNT OF MESSAGE		
1D54	D5D6D560C5E7C9E2			1D78	1797+		DC	CL37'NON-EXISTENT USER FUNCTION REFERENCED'			
1D5C	E3C5D5E340E4E2C5				1797+						
1D64	D940C6E4D5C3E3C9				1797+						
1D6C	D6D540D9C5C6C5D9				1797+						
1D74	C5D5C3C5C4				1797+						
					1798+	***	END OF EXPANSION ***				
					1800	*	\$MSG SEQNR-182,ERRNR-710,CNT-27,			X	
					1801	*	TXT-'REQUIRED FILE NOT ALLOCATED'				
				1D79	1802+	ERM182	EQU	*	ADDRESS OF MESSAGE		
1D79	F7F1F0			1D7B	1803+		DC	CL(ERMLDN)'710'	ERROR NUMBER		
1D7C	1C			1D7C	1804+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE		
1D7D	D9C5D8E4C9D9C5C4			1D97	1805+		DC	CL27'REQUIRED FILE NOT ALLOCATED'			
1D85	40C6C9D3C540D5D6				1805+						
1D8D	E340C1D3D3D6C3C1				1805+						
1D95	E3C5C4				1805+						
					1806+	***	END OF EXPANSION ***				
					1808	*	\$MSG SEQNR-183,ERRNR-712,CNT-34,			X	
					1809	*	TXT-'INCONSISTENT INPUT/OUTPUT FILE USAGE'				
				1D98	1810+	ERM183	EQU	*	ADDRESS OF MESSAGE		
1D98	F7F1F2			1D9A	1811+		DC	CL(ERMLDN)'712'	ERROR NUMBER		
1D9B	23			1D9B	1812+		DC	AL(ERMLCT)(34+ERMLCT)	COUNT OF MESSAGE		
1D9C	C9D5C3D6D5E2C9E2			1DBD	1813+		DC	CL34'INCONSISTENT INPUT/OUTPUT FILE USAGE'			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 48
1DA4	E3C5D5E340C9D5D7			1813+					
1DAC	E4E361D6E4E3D7E4			1813+					
1DB4	E340C6C9D3C540E4			1813+					
1DBC	E2C1			1813+					
				1814+	***	END OF EXPANSION ***			
				1816 *	\$MSG	SEQNR-184,ERRNR-713,CNT-30,			X
				1817 *		TXT-'ALLOCATED FILE NOT A DATA FILE'			
		1DBE		1818+	ERM184 EQU	*	ADDRESS OF MESSAGE		
1DBE	F7F1F3	1DC0		1819+	DC	CL(ERMLDN)'713'	ERROR NUMBER		
1DC1	1F	1DC1		1820+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE		
1DC2	C1D3D3D6C3C1E3C5	1DDF		1821+	DC	CL30'ALLOCATED FILE NOT A DATA FILE'			
1DCA	C440C6C9D3C540D5			1821+					
1DD2	D6E340C140C4C1E3			1821+					
1DDA	C140C6C9D3C5			1821+					
				1822+	***	END OF EXPANSION ***			
				1824 *	\$MSG	SEQNR-185,ERRNR-714,CNT-27,			X
				1825 *		TXT-'INSUFFICIENT DATA FOR <GET>'			
		1DE0		1826+	ERM185 EQU	*	ADDRESS OF MESSAGE		
1DE0	F7F1F4	1DE2		1827+	DC	CL(ERMLDN)'714'	ERROR NUMBER		
1DE3	1C	1DE3		1828+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE		
1DE4	C9D5E2E4C6C6C9C3	1DFE		1829+	DC	CL27'INSUFFICIENT DATA FOR <GET>'			
1DEC	C9C5D5E340C4C1E3			1829+					
1DF4	C140C6D6D9404CC7			1829+					
1DFC	C5E36E			1829+					
				1830+	***	END OF EXPANSION ***			
				1832 *	\$MSG	SEQNR-186,ERRNR-715,CNT-20,			X
				1833 *		TXT-'OUTPUT FILE EXCEEDED'			
		1DFF		1834+	ERM186 EQU	*	ADDRESS OF MESSAGE		
1DFF	F7F1F5	1E01		1835+	DC	CL(ERMLDN)'715'	ERROR NUMBER		
1E02	15	1E02		1836+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE		
1E03	D6E4E3D7E4E340C6	1E16		1837+	DC	CL20'OUTPUT FILE EXCEEDED'			
1E0B	C9D3C540C5E7C3C5			1837+					
1E13	C5C4C5C4			1837+					
				1838+	***	END OF EXPANSION ***			
				1840 *	\$MSG	SEQNR-187,ERRNR-716,CNT-35,			X
				1841 *		TXT-'NO SPACE FOR ALLOCATED SCRATCH FILE'			
		1E17		1842+	ERM187 EQU	*	ADDRESS OF MESSAGE		
1E17	F7F1F6	1E19		1843+	DC	CL(ERMLDN)'716'	ERROR NUMBER		
1E1A	24	1E1A		1844+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE		
1E1B	D5D640E2D7C1C3C5	1E3D		1845+	DC	CL35'NO SPACE FOR ALLOCATED SCRATCH FILE'			
1E23	40C6D6D940C1D3D3			1845+					
1E2B	D6C3C1E3C5C440E2			1845+					
1E33	C3D9C1E3C3C840C6			1845+					
1E3B	C9D3C5			1845+					
				1846+	***	END OF EXPANSION ***			
				1848 *	\$MSG	SEQNR-188,ERRNR-717,CNT-30,			X
				1849 *		TXT-'ALLOCATED DEVICE NOT ON SYSTEM'			
		1E3E		1850+	ERM188 EQU	*	ADDRESS OF MESSAGE		
1E3E	F7F1F7	1E40		1851+	DC	CL(ERMLDN)'717'	ERROR NUMBER		
1E41	1F	1E41		1852+	DC	AL(ERMLCT)(30+ERMLCT)	COUNT OF MESSAGE		
1E42	C1D3D3D6C3C1E3C5	1E5F		1853+	DC	CL30'ALLOCATED DEVICE NOT ON SYSTEM'			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	49
1E4A		C440C4C5E5C9C3C5		1853+						
1E52		40D5D6E340D6D540		1853+						
1E5A		E2E8E2E3C5D4		1853+						
				1854+	***	END OF EXPANSION ***				
				1856	*	\$MSG SEQNR-189,ERRNR-718,CNT-32,				X
				1857	*	TXT-'INVALID DATA ITEM FROM CARD FILE'				
			1E60	1858+	ERM189 EQU	*				ADDRESS OF MESSAGE
1E60	F7F1F8		1E62	1859+	DC	CL(ERMLDN)'718'				ERROR NUMBER
1E63	21		1E63	1860+	DC	AL(ERMLCT)(32+ERMLCT)				COUNT OF MESSAGE
1E64	C9D5E5C1D3C9C440		1E83	1861+	DC	CL32'INVALID DATA ITEM FROM CARD FILE'				
1E6C	C4C1E3C140C9E3C5			1861+						
1E74	D440C6D9D6D440C3			1861+						
1E7C	C1D9C440C6C9D3C5			1861+						
				1862+	***	END OF EXPANSION ***				
				1864	*	\$MSG SEQNR-190,ERRNR-720,CNT-29,				X
				1865	*	TXT-'NO <DATA STATEMENT> SPECIFIED'				
			1E84	1866+	ERM190 EQU	*				ADDRESS OF MESSAGE
1E84	F7F2F0		1E86	1867+	DC	CL(ERMLDN)'720'				ERROR NUMBER
1E87	1E		1E87	1868+	DC	AL(ERMLCT)(29+ERMLCT)				COUNT OF MESSAGE
1E88	D5D6404CC4C1E3C1		1EA4	1869+	DC	CL29'NO <DATA STATEMENT> SPECIFIED'				
1E90	40E2E3C1E3C5D4C5			1869+						
1E98	D5E36E40E2D7C5C3			1869+						
1EA0	C9C6C9C5C4			1869+						
				1870+	***	END OF EXPANSION ***				
				1872	*	\$MSG SEQNR-191,ERRNR-721,CNT-26,				X
				1873	*	TXT-'INSUFFICIENT DATA FOR READ'				
			1EA5	1874+	ERM191 EQU	*				ADDRESS OF MESSAGE
1EA5	F7F2F1		1EA7	1875+	DC	CL(ERMLDN)'721'				ERROR NUMBER
1EA8	1B		1EA8	1876+	DC	AL(ERMLCT)(26+ERMLCT)				COUNT OF MESSAGE
1EA9	C9D5E2E4C6C6C9C3		1EC2	1877+	DC	CL26'INSUFFICIENT DATA FOR READ'				
1EB1	C9C5D5E340C4C1E3			1877+						
1EB9	C140C6D6D940D9C5			1877+						
1EC1	C1C4			1877+						
				1878+	***	END OF EXPANSION ***				
				1880	*	\$MSG SEQNR-192,ERRNR-723,CNT-28,				X
				1881	*	TXT-'INVALID <FOR> LOOP EXECUTION'				
			1EC3	1882+	ERM192 EQU	*				ADDRESS OF MESSAGE
1EC3	F7F2F3		1EC5	1883+	DC	CL(ERMLDN)'723'				ERROR NUMBER
1EC6	1D		1EC6	1884+	DC	AL(ERMLCT)(28+ERMLCT)				COUNT OF MESSAGE
1EC7	C9D5E5C1D3C9C440		1EE2	1885+	DC	CL28'INVALID <FOR> LOOP EXECUTION'				
1ECF	4CC6D6D96E40D3D6			1885+						
1ED7	D6D740C5E7C5C3E4			1885+						
1EDF	E3C9D6D5			1885+						
				1886+	***	END OF EXPANSION ***				
				1888	*	\$MSG SEQNR-193,ERRNR-724,CNT-35,				X
				1889	*	TXT-'NO PRINT IMAGE IN <IMAGE STATEMENT>'				
			1EE3	1890+	ERM193 EQU	*				ADDRESS OF MESSAGE
1EE3	F7F2F4		1EE5	1891+	DC	CL(ERMLDN)'724'				ERROR NUMBER
1EE6	24		1EE6	1892+	DC	AL(ERMLCT)(35+ERMLCT)				COUNT OF MESSAGE
1EE7	D5D640D7D9C9D5E3		1F09	1893+	DC	CL35'NO PRINT IMAGE IN <IMAGE STATEMENT>'				
1EEF	40C9D4C1C7C540C9			1893+						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	50
1EF7	D5404CC9D4C1C7C5				1893+						
1EFF	40E2E3C1E3C5D4C5				1893+						
1F07	D5E36E				1893+						
					1894+	***	END OF EXPANSION ***				
					1896	*	\$MSG SEQNR-194,ERRNR-725,CNT-33,				X
					1897	*	TXT-'REFERENCED STATEMENT NOT AN IMAGE'				
				1F0A	1898+	ERM194 EQU	*				ADDRESS OF MESSAGE
1F0A	F7F2F5			1F0C	1899+	DC	CL(ERMLDN)'725'				ERROR NUMBER
1F0D	22			1F0D	1900+	DC	AL(ERMLCT)(33+ERMLCT)				COUNT OF MESSAGE
1F0E	D9C5C6C5D9C5D5C3			1F2E	1901+	DC	CL33'REFERENCED STATEMENT NOT AN IMAGE'				
1F16	C5C440E2E3C1E3C5				1901+						
1F1E	D4C5D5E340D5D6E3				1901+						
1F26	40C1D540C9D4C1C7				1901+						
1F2E	C5				1901+						
					1902+	***	END OF EXPANSION ***				
					1904	*	\$MSG SEQNR-195,ERRNR-726,CNT-40,				X
					1905	*	TXT-'<RETURN> EXECUTED WITHOUT ACTIVE <GOSUB>'				
				1F2F	1906+	ERM195 EQU	*				ADDRESS OF MESSAGE
1F2F	F7F2F6			1F31	1907+	DC	CL(ERMLDN)'726'				ERROR NUMBER
1F32	29			1F32	1908+	DC	AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
1F33	4CD9C5E3E4D9D56E			1F5A	1909+	DC	CL40'<RETURN> EXECUTED WITHOUT ACTIVE <GOSUB>'				
1F3B	40C5E7C5C3E4E3C5				1909+						
1F43	C440E6C9E3C8D6E4				1909+						
1F4B	E340C1C3E3C9E5C5				1909+						
1F53	404CC7D6E2E4C26E				1909+						
					1910+	***	END OF EXPANSION ***				
					1912	*	\$MSG SEQNR-196,ERRNR-727,CNT-27,				X
					1913	*	TXT-'INVALID VARIABLE ASSIGNMENT'				
				1F5B	1914+	ERM196 EQU	*				ADDRESS OF MESSAGE
1F5B	F7F2F7			1F5D	1915+	DC	CL(ERMLDN)'727'				ERROR NUMBER
1F5E	1C			1F5E	1916+	DC	AL(ERMLCT)(27+ERMLCT)				COUNT OF MESSAGE
1F5F	C9D5E5C1D3C9C440			1F79	1917+	DC	CL27'INVALID VARIABLE ASSIGNMENT'				
1F67	E5C1D9C9C1C2D3C5				1917+						
1F6F	40C1E2E2C9C7D5D4				1917+						
1F77	C5D5E3				1917+						
					1918+	***	END OF EXPANSION ***				
					1920	*	\$MSG SEQNR-197,ERRNR-728,CNT-28,				X
					1921	*	TXT-'RECURSIVE FUNCTION REFERENCE'				
				1F7A	1922+	ERM197 EQU	*				ADDRESS OF MESSAGE
1F7A	F7F2F8			1F7C	1923+	DC	CL(ERMLDN)'728'				ERROR NUMBER
1F7D	1D			1F7D	1924+	DC	AL(ERMLCT)(28+ERMLCT)				COUNT OF MESSAGE
1F7E	D9C5C3E4D9E2C9E5			1F99	1925+	DC	CL28'RECURSIVE FUNCTION REFERENCE'				
1F86	C540C6E4D5C3E3C9				1925+						
1F8E	D6D540D9C5C6C5D9				1925+						
1F96	C5D5C3C5				1925+						
					1926+	***	END OF EXPANSION ***				
					1928	*	\$MSG SEQNR-198,ERRNR-729,CNT-28,				X
					1929	*	TXT-'STATEMENT BRANCHES TO ITSELF'				
				1F9A	1930+	ERM198 EQU	*				ADDRESS OF MESSAGE
1F9A	F7F2F9			1F9C	1931+	DC	CL(ERMLDN)'729'				ERROR NUMBER
1F9D	1D			1F9D	1932+	DC	AL(ERMLCT)(28+ERMLCT)				COUNT OF MESSAGE

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	51
1F9E	E2E3C1E3C5D4C5D5	1FB9	1933+	DC	CL28	'STATEMENT BRANCHES TO ITSELF'					
1FA6	E340C2D9C1D5C3C8		1933+								
1FAE	C5E240E3D640C9E3		1933+								
1FB6	E2C5D3C6		1933+								
			1934+	***	END OF EXPANSION	***					
			1936 *	\$MSG	SEQNR-199,ERRNR-730,CNT-33,					X	
			1937 *		TXT-'expression too complex to execute'						
		1FBA	1938+ERM199	EQU	*	ADDRESS OF MESSAGE					
1FBA	F7F3F0	1FBC	1939+	DC	CL(ERMLDN)'730'	ERROR NUMBER					
1FBD	22	1FBD	1940+	DC	AL(ERMLCT)(33+ERMLCT)	COUNT OF MESSAGE					
1FBE	85A7979985A2A289	1FDE	1941+	DC	CL33'expression too complex to execute'						
1FC6	969540A396964083		1941+								
1FCE	9694979385A740A3		1941+								
1FD6	964085A78583A4A3		1941+								
1FDE	85		1941+								
			1942+	***	END OF EXPANSION	***					
			1944 *	\$MSG	SEQNR-200,ERRNR-732,CNT-34,					X	
			1945 *		TXT-'more then 10 active user functions'						
		1FDF	1946+ERM200	EQU	*	ADDRESS OF MESSAGE					
1FDF	F7F3F2	1FE1	1947+	DC	CL(ERMLDN)'732'	ERROR NUMBER					
1FE2	23	1FE2	1948+	DC	AL(ERMLCT)(34+ERMLCT)	COUNT OF MESSAGE					
1FE3	9496998540A38885	2004	1949+	DC	CL34'more then 10 active user functions'						
1FEB	9540F1F0408183A3		1949+								
1FF3	89A58540A4A28599		1949+								
1FFB	4086A49583A38996		1949+								
2003	95A2		1949+								
			1950+	***	END OF EXPANSION	***					
			1952 *	\$MSG	SEQNR-201,ERRNR-752,CNT-33,					X	
			1953 *		TXT-'assigned matrix not 2-dimensional'						
		2005	1954+ERM201	EQU	*	ADDRESS OF MESSAGE					
2005	F7F5F2	2007	1955+	DC	CL(ERMLDN)'752'	ERROR NUMBER					
2008	22	2008	1956+	DC	AL(ERMLCT)(33+ERMLCT)	COUNT OF MESSAGE					
2009	81A2A28987958584	2029	1957+	DC	CL33'assigned matrix not 2-dimensional'						
2011	409481A39989A740		1957+								
2019	9596A340F2608489		1957+								
2021	948595A289969581		1957+								
2029	93		1957+								
			1958+	***	END OF EXPANSION	***					
			1960 *	\$MSG	SEQNR-202,ERRNR-753,CNT-35,					X	
			1961 *		TXT-'matrix multiplier not 2-dimensional'						
		202A	1962+ERM202	EQU	*	ADDRESS OF MESSAGE					
202A	F7F5F3	202C	1963+	DC	CL(ERMLDN)'753'	ERROR NUMBER					
202D	24	202D	1964+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE					
202E	9481A39989A74094	2050	1965+	DC	CL35'matrix multiplier not 2-dimensional'						
2036	A493A38997938985		1965+								
203E	99409596A340F260		1965+								
2046	8489948595A28996		1965+								
204E	958193		1965+								
			1966+	***	END OF EXPANSION	***					
			1968 *	\$MSG	SEQNR-203,ERRNR-754,CNT-42,					X	
			1969 *		TXT-'matrix function argument not 2-dimensional'						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	52
				2051	1970+	ERM203	EQU *				ADDRESS OF MESSAGE
2051	F7F5F4			2053	1971+		DC CL(ERMLDN)'754'				ERROR NUMBER
2054	2B			2054	1972+		DC AL(ERMLCT)(42+ERMLCT)				COUNT OF MESSAGE
2055	9481A39989A74086			207E	1973+		DC CL42'matrix function argument not 2-dimensional'				
205D	A49583A389969540				1973+						
2065	819987A4948595A3				1973+						
206D	409596A340F26084				1973+						
2075	89948595A2899695				1973+						
207D	8193				1973+						
					1974+	***	END OF EXPANSION ***				
					1976	*	\$MSG SEQNR-204,ERRNR-755,CNT-37,				X
					1977	*	TXT-'assigned matrix dims not same as expr'				
				207F	1978+	ERM204	EQU *				ADDRESS OF MESSAGE
207F	F7F5F5			2081	1979+		DC CL(ERMLDN)'755'				ERROR NUMBER
2082	26			2082	1980+		DC AL(ERMLCT)(37+ERMLCT)				COUNT OF MESSAGE
2083	81A2A28987958584			20A7	1981+		DC CL37'assigned matrix dims not same as expr'				
208B	409481A39989A740				1981+						
2093	848994A2409596A3				1981+						
209B	40A28194854081A2				1981+						
20A3	4085A79799				1981+						
					1982+	***	END OF EXPANSION ***				
					1984	*	\$MSG SEQNR-205,ERRNR-756,CNT-30,				X
					1985	*	TXT-'MATRIX DIMENSIONS NOT REVERSED'				
				20A8	1986+	ERM205	EQU *				ADDRESS OF MESSAGE
20A8	F7F5F6			20AA	1987+		DC CL(ERMLDN)'756'				ERROR NUMBER
20AB	1F			20AB	1988+		DC AL(ERMLCT)(30+ERMLCT)				COUNT OF MESSAGE
20AC	D4C1E3D9C9E740C4			20C9	1989+		DC CL30'MATRIX DIMENSIONS NOT REVERSED'				
20B4	C9D4C5D5E2C9D6D5				1989+						
20BC	E240D5D6E340D9C5				1989+						
20C4	E5C5D9E2C5C4				1989+						
					1990+	***	END OF EXPANSION ***				
					1992	*	\$MSG SEQNR-206,ERRNR-757,CNT-40,				X
					1993	*	TXT-'ASSIGNED MATRIX DIMS NOT SAME AS INV ARG'				
				20CA	1994+	ERM206	EQU *				ADDRESS OF MESSAGE
20CA	F7F5F7			20CC	1995+		DC CL(ERMLDN)'757'				ERROR NUMBER
20CD	29			20CD	1996+		DC AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
20CE	C1E2E2C9C7D5C5C4			20F5	1997+		DC CL40'ASSIGNED MATRIX DIMS NOT SAME AS INV ARG'				
20D6	40D4C1E3D9C9E740				1997+						
20DE	C4C9D4E240D5D6E3				1997+						
20E6	40E2C1D4C540C1E2				1997+						
20EE	40C9D5E540C1D9C7				1997+						
					1998+	***	END OF EXPANSION ***				
					2000	*	\$MSG SEQNR-207,ERRNR-758,CNT-38,				X
					2001	*	TXT-'MATRIX EXPR DIMENSIONS NOT CONFORMABLE'				
				20F6	2002+	ERM207	EQU *				ADDRESS OF MESSAGE
20F6	F7F5F8			20F8	2003+		DC CL(ERMLDN)'758'				ERROR NUMBER
20F9	27			20F9	2004+		DC AL(ERMLCT)(38+ERMLCT)				COUNT OF MESSAGE
20FA	D4C1E3D9C9E740C5			211F	2005+		DC CL38'MATRIX EXPR DIMENSIONS NOT CONFORMABLE'				
2102	E7D7D940C4C9D4C5				2005+						
210A	D5E2C9D6D5E240D5				2005+						
2112	D6E340C3D6D5C6D6				2005+						
211A	D9D4C1C2D3C5				2005+						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	53
					2006+	***	END OF EXPANSION ***				
					2008	*	\$MSG SEQNR-208,ERRNR-759,CNT-40,				X
					2009	*	TXT-'ATTEMPTED MATRIX MULTIPLICATION IN PLACE'				
				2120	2010+	ERM208	EQU *				ADDRESS OF MESSAGE
2120	F7F5F9			2122	2011+		DC CL(ERMLDN)'759'				ERROR NUMBER
2123	29			2123	2012+		DC AL(ERMLCT)(40+ERMLCT)				COUNT OF MESSAGE
2124	C1E3E3C5D4D7E3C5			214B	2013+		DC CL40'ATTEMPTED MATRIX MULTIPLICATION IN PLACE'				
212C	C440D4C1E3D9C9E7				2013+						
2134	40D4E4D3E3C9D7D3				2013+						
213C	C9C3C1E3C9D6D540				2013+						
2144	C9D540D7D3C1C3C5				2013+						
					2014+	***	END OF EXPANSION ***				
					2016	*	\$MSG SEQNR-209,ERRNR-760,CNT-35,				X
					2017	*	TXT-'SUBSCRIPT OUT OF <ARRAY SIZE LIMIT>'				
				214C	2018+	ERM209	EQU *				ADDRESS OF MESSAGE
214C	F7F6F0			214E	2019+		DC CL(ERMLDN)'760'				ERROR NUMBER
214F	24			214F	2020+		DC AL(ERMLCT)(35+ERMLCT)				COUNT OF MESSAGE
2150	E2E4C2E2C3D9C9D7			2172	2021+		DC CL35'SUBSCRIPT OUT OF <ARRAY SIZE LIMIT>'				
2158	E340D6E4E340D6C6				2021+						
2160	404CC1D9D9C1E840				2021+						
2168	E2C9E9C540D3C9D4				2021+						
2170	C9E36E				2021+						
					2022+	***	END OF EXPANSION ***				
					2024	*	\$MSG SEQNR-210,ERRNR-761,CNT-42,				X
					2025	*	TXT-'DIMENSIONED OUTSIDE MAX <ARRAY SIZE LIMIT>'				
				2173	2026+	ERM210	EQU *				ADDRESS OF MESSAGE
2173	F7F6F1			2175	2027+		DC CL(ERMLDN)'761'				ERROR NUMBER
2176	2B			2176	2028+		DC AL(ERMLCT)(42+ERMLCT)				COUNT OF MESSAGE
2177	C4C9D4C5D5E2C9D6			21A0	2029+		DC CL42'DIMENSIONED OUTSIDE MAX <ARRAY SIZE LIMIT>'				
217F	D5C5C440D6E4E3E2				2029+						
2187	C9C4C540D4C1E740				2029+						
218F	4CC1D9D9C1E840E2				2029+						
2197	C9E9C540D3C9D4C9				2029+						
219F	E36E				2029+						
					2030+	***	END OF EXPANSION ***				
					2032	*	\$MSG SEQNR-211,ERRNR-762,CNT-42,				X
					2033	*	TXT-'MATRIX EXPRESSION DIMENSIONS NOT IDENTICAL'				
				21A1	2034+	ERM211	EQU *				ADDRESS OF MESSAGE
21A1	F7F6F2			21A3	2035+		DC CL(ERMLDN)'762'				ERROR NUMBER
21A4	2B			21A4	2036+		DC AL(ERMLCT)(42+ERMLCT)				COUNT OF MESSAGE
21A5	D4C1E3D9C9E740C5			21CE	2037+		DC CL42'MATRIX EXPRESSION DIMENSIONS NOT IDENTICAL'				
21AD	E7D7D9C5E2E2C9D6				2037+						
21B5	D540C4C9D4C5D5E2				2037+						
21BD	C9D6D5E240D5D6E3				2037+						
21C5	40C9C4C5D5E3C9C3				2037+						
21CD	C1D3				2037+						
					2038+	***	END OF EXPANSION ***				
					2040	*	\$MSG SEQNR-212,ERRNR-763,CNT-22,				X
					2041	*	TXT-'NEARIY SINGULAR MATRIX'				
				21CF	2042+	ERM212	EQU *				ADDRESS OF MESSAGE
21CF	F7F6F3			21D1	2043+		DC CL(ERMLDN)'763'				ERROR NUMBER

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 54
21D2	17		21D2	2044+	DC	AL(ERMLCT)(22+ERMLCT) COUNT OF MESSAGE	
21D3	D5C5C1D9C9E840E2		21E8	2045+	DC	CL22'NEARIY SINGULAR MATRIX'	
21DB	C9D5C7E4D3C1D940			2045+			
21E3	D4C1E3D9C9E7			2045+			
				2046+	***	END OF EXPANSION ***	
				2048	*	\$MSG SEQNR-213,ERRNR-764,CNT-26,	X
				2049	*	TXT-'MATRIX TOO LARGE TO INVERT'	
			21E9	2050+	ERM213 EQU	* ADDRESS OF MESSAGE	
21E9	F7F6F4		21EB	2051+	DC	CL(ERMLDN)'764' ERROR NUMBER	
21EC	1B		21EC	2052+	DC	AL(ERMLCT)(26+ERMLCT) COUNT OF MESSAGE	
21ED	D4C1E3D9C9E740E3		2206	2053+	DC	CL26'MATRIX TOO LARGE TO INVERT'	
21F5	D6D640D3C1D9C7C5			2053+			
21FD	40E3D640C9D5E5C5			2053+			
2205	D9E3			2053+			
				2054+	***	END OF EXPANSION ***	
				2056	*	\$MSG SEQNR-214,ERRNR-765,CNT-35,	X
				2057	*	TXT-'ATTEMPTED MATRIX INVERSION IN PLACE'	
			2207	2058+	ERM214 EQU	* ADDRESS OF MESSAGE	
2207	F7F6F5		2209	2059+	DC	CL(ERMLDN)'765' ERROR NUMBER	
220A	24		220A	2060+	DC	AL(ERMLCT)(35+ERMLCT) COUNT OF MESSAGE	
220B	C1E3E3C5D4D7E3C5		222D	2061+	DC	CL35'ATTEMPTED MATRIX INVERSION IN PLACE'	
2213	C440D4C1E3D9C9E7			2061+			
221B	40C9D5E5C5D9E2C9			2061+			
2223	D6D540C9D540D7D3			2061+			
222B	C1C3C5			2061+			
				2062+	***	END OF EXPANSION ***	
				2064	*	\$MSG SEQNR-215,ERRNR-766,CNT-17,	X
				2065	*	TXT-'MATRIX NOT SQUARE'	
			222E	2066+	ERM215 EQU	* ADDRESS OF MESSAGE	
222E	F7F6F6		2230	2067+	DC	CL(ERMLDN)'766' ERROR NUMBER	
2231	12		2231	2068+	DC	AL(ERMLCT)(17+ERMLCT) COUNT OF MESSAGE	
2232	D4C1E3D9C9E740D5		2242	2069+	DC	CL17'MATRIX NOT SQUARE'	
223A	D6E340E2D8E4C1D9			2069+			
2242	C5			2069+			
				2070+	***	END OF EXPANSION ***	
				2072	*	\$MSG SEQNR-216,ERRNR-767,CNT-39,	X
				2073	*	TXT-'TEMPTED MATRIX TRANSPOSITION IN PLACE'	
			2243	2074+	ERM216 EQU	* ADDRESS OF MESSAGE	
2243	F7F6F7		2245	2075+	DC	CL(ERMLDN)'767' ERROR NUMBER	
2246	28		2246	2076+	DC	AL(ERMLCT)(39+ERMLCT) COUNT OF MESSAGE	
2247	E3C5D4D7E3C5C440		226D	2077+	DC	CL39'TEMPTED MATRIX TRANSPOSITION IN PLACE'	
224F	D4C1E3D9C9E740E3			2077+			
2257	D9C1D5E2D7D6E2C9			2077+			
225F	E3C9D6D540C9D540			2077+			
2267	D7D3C1C3C54040			2077+			
				2078+	***	END OF EXPANSION ***	
				2080	*	\$MSG SEQNR-217,ERRNR-768,CNT-27,	X
				2081	*	TXT-'SEC FUNCTION ARGUMENT > 1E6'	
			226E	2082+	ERM217 EQU	* ADDRESS OF MESSAGE	
226E	F7F6F8		2270	2083+	DC	CL(ERMLDN)'768' ERROR NUMBER	
2271	1C		2271	2084+	DC	AL(ERMLCT)(27+ERMLCT) COUNT OF MESSAGE	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	55
2272	E2C5C340C6E4D5C3	228C	2085+		DC		CL27'SEC FUNCTION ARGUMENT > 1E6'				
227A	E3C9D6D540C1D9C7		2085+								
2282	E4D4C5D5E3406E40		2085+								
228A	F1C5F6		2085+								
			2086+	***		END OF EXPANSION	***				
			2088	*	\$MSG	SEQNR-218,ERRNR-769,CNT-27,				X	
			2089	*		TXT-'CSC FUNCTION ARGUMENT > 1E6'					
		228D	2090+	ERM218	EQU	*	ADDRESS OF MESSAGE				
228D	F7F6F9	228F	2091+		DC	CL(ERMLDN)'769'	ERROR NUMBER				
2290	1C	2290	2092+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE				
2291	C3E2C340C6E4D5C3	22AB	2093+		DC	CL27'CSC FUNCTION ARGUMENT > 1E6'					
2299	E3C9D6D540C1D9C7		2093+								
22A1	E4D4C5D5E3406E40		2093+								
22A9	F1C5F6		2093+								
			2094+	***		END OF EXPANSION	***				
			2096	*	\$MSG	SEQNR-219,ERRNR-770,CNT-27,				X	
			2097	*		TXT-'SIN FUNCTION ARGUMENT > 1E6'					
		22AC	2098+	ERM219	EQU	*	ADDRESS OF MESSAGE				
22AC	F7F7F0	22AE	2099+		DC	CL(ERMLDN)'770'	ERROR NUMBER				
22AF	1C	22AF	2100+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE				
22B0	E2C9D540C6E4D5C3	22CA	2101+		DC	CL27'SIN FUNCTION ARGUMENT > 1E6'					
22B8	E3C9D6D540C1D9C7		2101+								
22C0	E4D4C5D5E3406E40		2101+								
22C8	F1C5F6		2101+								
			2102+	***		END OF EXPANSION	***				
			2104	*	\$MSG	SEQNR-220,ERRNR-771,CNT-27,				X	
			2105	*		TXT-'COS FUNCTION ARGUMENT > 1E6'					
		22CB	2106+	ERM220	EQU	*	ADDRESS OF MESSAGE				
22CB	F7F7F1	22CD	2107+		DC	CL(ERMLDN)'771'	ERROR NUMBER				
22CE	1C	22CE	2108+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE				
22CF	C3D6E240C6E4D5C3	22E9	2109+		DC	CL27'COS FUNCTION ARGUMENT > 1E6'					
22D7	E3C9D6D540C1D9C7		2109+								
22DF	E4D4C5D5E3406E40		2109+								
22E7	F1C5F6		2109+								
			2110+	***		END OF EXPANSION	***				
			2112	*	\$MSG	SEQNR-221,ERRNR-772,CNT-27,				X	
			2113	*		TXT-'TAN FUNCTION ARGUMENT > 1E6'					
		22EA	2114+	ERM221	EQU	*	ADDRESS OF MESSAGE				
22EA	F7F7F2	22EC	2115+		DC	CL(ERMLDN)'772'	ERROR NUMBER				
22ED	1C	22ED	2116+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE				
22EE	E3C1D540C6E4D5C3	2308	2117+		DC	CL27'TAN FUNCTION ARGUMENT > 1E6'					
22F6	E3C9D6D540C1D9C7		2117+								
22FE	E4D4C5D5E3406E40		2117+								
2306	F1C5F6		2117+								
			2118+	***		END OF EXPANSION	***				
			2120	*	\$MSG	SEQNR-222,ERRNR-773,CNT-27,				X	
			2121	*		TXT-'COT FUNCTION ARGUMENT > 1E6'					
		2309	2122+	ERM222	EQU	*	ADDRESS OF MESSAGE				
2309	F7F7F3	230B	2123+		DC	CL(ERMLDN)'773'	ERROR NUMBER				
230C	1C	230C	2124+		DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE				
230D	C3D6E340C6E4D5C3	2327	2125+		DC	CL27'COT FUNCTION ARGUMENT > 1E6'					

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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE	56
2315	E3C9D6D540C1D9C7			2125+						
231D	E4D4C5D5E3406E40			2125+						
2325	F1C5F6			2125+						
				2126+	***	END OF EXPANSION ***				
				2128	*	\$MSG SEQNR-223,ERRNR-774,CNT-20,				X
				2129	*	TXT-'EXPONENTIATION ERROR'				
			2328	2130+	ERM223 EQU	*			ADDRESS OF MESSAGE	
2328	F7F7F4		232A	2131+	DC	CL(ERMLDN)'774'			ERROR NUMBER	
232B	15		232B	2132+	DC	AL(ERMLCT)(20+ERMLCT)			COUNT OF MESSAGE	
232C	C5E7D7D6D5C5D5E3		233F	2133+	DC	CL20'EXPONENTIATION ERROR'				
2334	C9C1E3C9D6D540C5			2133+						
233C	D9D9D6D9			2133+						
				2134+	***	END OF EXPANSION ***				
				2136	*	\$MSG SEQNR-224,ERRNR-775,CNT-28,				X
				2137	*	TXT-'SQR FUNCTION ARGUMENT A ZERO'				
			2340	2138+	ERM224 EQU	*			ADDRESS OF MESSAGE	
2340	F7F7F5		2342	2139+	DC	CL(ERMLDN)'775'			ERROR NUMBER	
2343	1D		2343	2140+	DC	AL(ERMLCT)(28+ERMLCT)			COUNT OF MESSAGE	
2344	E2D8D940C6E4D5C3		235F	2141+	DC	CL28'SQR FUNCTION ARGUMENT A ZERO'				
234C	E3C9D6D540C1D9C7			2141+						
2354	E4D4C5D5E340C140			2141+						
235C	E9C5D9D6			2141+						
				2142+	***	END OF EXPANSION ***				
				2144	*	\$MSG SEQNR-225,ERRNR-776,CNT-30,				X
				2145	*	TXT-'EXP FUNCTION ARGUMENT > 227.96'				
			2360	2146+	ERM225 EQU	*			ADDRESS OF MESSAGE	
2360	F7F7F6		2362	2147+	DC	CL(ERMLDN)'776'			ERROR NUMBER	
2363	1F		2363	2148+	DC	AL(ERMLCT)(30+ERMLCT)			COUNT OF MESSAGE	
2364	C5E7D740C6E4D5C3		2381	2149+	DC	CL30'EXP FUNCTION ARGUMENT > 227.96'				
236C	E3C9D6D540C1D9C7			2149+						
2374	E4D4C5D5E3406E40			2149+						
237C	F2F2F74BF9F6			2149+						
				2150+	***	END OF EXPANSION ***				
				2152	*	\$MSG SEQNR-226,ERRNR-777,CNT-35,				X
				2153	*	TXT-'LOG FUNCTION ARGUMENT 0 OR NEGATIVE'				
			2382	2154+	ERM226 EQU	*			ADDRESS OF MESSAGE	
2382	F7F7F7		2384	2155+	DC	CL(ERMLDN)'777'			ERROR NUMBER	
2385	24		2385	2156+	DC	AL(ERMLCT)(35+ERMLCT)			COUNT OF MESSAGE	
2386	D3D6C740C6E4D5C3		23A8	2157+	DC	CL35'LOG FUNCTION ARGUMENT 0 OR NEGATIVE'				
238E	E3C9D6D540C1D9C7			2157+						
2396	E4D4C5D5E340F040			2157+						
239E	D6D940D5C5C7C1E3			2157+						
23A6	C9E5C5			2157+						
				2158+	***	END OF EXPANSION ***				
				2160	*	\$MSG SEQNR-227,ERRNR-770,CNT-35,				X
				2161	*	TXT-'LGT FUNCTION ARGUMENT 0 OR NEGATIVE'				
			23A9	2162+	ERM227 EQU	*			ADDRESS OF MESSAGE	
23A9	F7F7F0		23AB	2163+	DC	CL(ERMLDN)'770'			ERROR NUMBER	
23AC	24		23AC	2164+	DC	AL(ERMLCT)(35+ERMLCT)			COUNT OF MESSAGE	
23AD	D3C7E340C6E4D5C3		23CF	2165+	DC	CL35'LGT FUNCTION ARGUMENT 0 OR NEGATIVE'				
23B5	E3C9D6D540C1D9C7			2165+						

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 57
23BD	E4D4C5D5E340F040			2165+			
23C5	D6D940D5C5C7C1E3			2165+			
23CD	C9E5C5			2165+			
				2166+	***	END OF EXPANSION ***	
				2168	*	\$MSG SEQNR-228,ERRNR-779,CNT-35,	X
				2169	*	TXT-'LTW FUNCTION ARGUMENT 0 0R NEGATIVE'	
			23D0	2170+	ERM228 EQU	* ADDRESS OF MESSAGE	
23D0	F7F7F9		23D2	2171+	DC	CL(ERMLDN)'779'	ERROR NUMBER
23D3	24		23D3	2172+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE
23D4	D3E3E640C6E4D5C3		23F6	2173+	DC	CL35'LTW FUNCTION ARGUMENT 0 0R NEGATIVE'	
23DC	E3C9D6D540C1D9C7			2173+			
23E4	E4D4C5D5E340F040			2173+			
23EC	F0D940D5C5C7C1E3			2173+			
23F4	C9E5C5			2173+			
				2174+	***	END OF EXPANSION ***	
				2176	*	\$MSG SEQNR-229,ERRNR-780,CNT-36,	X
				2177	*	TXT-'COT FUNCTION RESULT GOES TO INFINITY'	
			23F7	2178+	ERM229 EQU	* ADDRESS OF MESSAGE	
23F7	F7F8F0		23F9	2179+	DC	CL(ERMLDN)'780'	ERROR NUMBER
23FA	25		23FA	2180+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE
23FB	C3D6E340C6E4D5C3		241E	2181+	DC	CL36'COT FUNCTION RESULT GOES TO INFINITY'	
2403	E3C9D6D540D9C5E2			2181+			
240B	E4D3E340C7D6C5E2			2181+			
2413	40E3D640C9D5C6C9			2181+			
241B	D5C9E3E8			2181+			
				2182+	***	END OF EXPANSION ***	
				2184	*	\$MSG SEQNR-230,ERRNR-781,CNT-36,	X
				2185	*	TXT-'SEC FUNCTION RESULT GOES TO INFINITY'	
			241F	2186+	ERM230 EQU	* ADDRESS OF MESSAGE	
241F	F7F8F1		2421	2187+	DC	CL(ERMLDN)'781'	ERROR NUMBER
2422	25		2422	2188+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE
2423	E2C5C340C6E4D5C3		2446	2189+	DC	CL36'SEC FUNCTION RESULT GOES TO INFINITY'	
242B	E3C9D6D540D9C5E2			2189+			
2433	E4D3E340C7D6C5E2			2189+			
243B	40E3D640C9D5C6C9			2189+			
2443	D5C9E3E8			2189+			
				2190+	***	END OF EXPANSION ***	
				2192	*	\$MSG SEQNR-231,ERRNR-782,CNT-36,	X
				2193	*	TXT-'CSC FUNCTION RESULT GOES TO INFINITY'	
			2447	2194+	ERM231 EQU	* ADDRESS OF MESSAGE	
2447	F7F8F2		2449	2195+	DC	CL(ERMLDN)'782'	ERROR NUMBER
244A	25		244A	2196+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE
244B	C3E2C340C6E4D5C3		246E	2197+	DC	CL36'CSC FUNCTION RESULT GOES TO INFINITY'	
2453	E3C9D6D540D9C5E2			2197+			
245B	E4D3E340C7D6C5E2			2197+			
2463	40E3D640C9D5C6C9			2197+			
246B	D5C9E3E8			2197+			
				2198+	***	END OF EXPANSION ***	
				2200	*	\$MSG SEQNR-232,ERRNR-783,CNT-40,	X
				2201	*	TXT-'ASN FUNCTION ARG NOT IN RANGE -1 < X < 1'	
			246F	2202+	ERM232 EQU	* ADDRESS OF MESSAGE	

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246F	F7F8F3	2471	2203+	DC	CL(ERMLDN)'783'	ERROR NUMBER	
2472	29	2472	2204+	DC	AL(ERMLCT)(40+ERMLCT)	COUNT OF MESSAGE	
2473	C1E2D540C6E4D5C3	249A	2205+	DC	CL40'ASN FUNCTION ARG NOT IN RANGE -1 < X < 1'		
247B	E3C9D6D540C1D9C7		2205+				
2483	40D5D6E340C9D540		2205+				
248B	D9C1D5C7C54060F1		2205+				
2493	404C40E7404C40F1		2205+				
			2206+	***	END OF EXPANSION	***	

			2208 *	\$MSG	SEQNR-233,ERRNR-784,CNT-40,		X
			2209 *		TXT-'ACS FUNCTION ARG NOT IN RANGE -1 < X < 1'		
		249B	2210+	ERM233 EQU	*	ADDRESS OF MESSAGE	
249B	F7F8F4	249D	2211+	DC	CL(ERMLDN)'784'	ERROR NUMBER	
249E	29	249E	2212+	DC	AL(ERMLCT)(40+ERMLCT)	COUNT OF MESSAGE	
249F	C1C3E240C6E4D5C3	24C6	2213+	DC	CL40'ACS FUNCTION ARG NOT IN RANGE -1 < X < 1'		
24A7	E3C9D6D540C1D9C7		2213+				
24AF	40D5D6E340C9D540		2213+				
24B7	D9C1D5C7C54060F1		2213+				
24BF	404C40E7404C40F1		2213+				
			2214+	***	END OF EXPANSION	***	

			2216 *	\$MSG	SEQNR-234,ERRNR-785,CNT-28,		X
			2217 *		TXT-'HSN FUNCTION--ARGUMENT > 225'		
		24C7	2218+	ERM234 EQU	*	ADDRESS OF MESSAGE	
24C7	F7F8F5	24C9	2219+	DC	CL(ERMLDN)'785'	ERROR NUMBER	
24CA	1D	24CA	2220+	DC	AL(ERMLCT)(28+ERMLCT)	COUNT OF MESSAGE	
24CB	C8E2D540C6E4D5C3	24E6	2221+	DC	CL28'HSN FUNCTION--ARGUMENT > 225'		
24D3	E3C9D6D56060C1D9		2221+				
24DB	C7E4D4C5D5E3406E		2221+				
24E3	40F2F2F5		2221+				
			2222+	***	END OF EXPANSION	***	

			2224 *	\$MSG	SEQNR-235,ERRNR-786,CNT-28,		X
			2225 *		TXT-'HCS FUNCTION--ARGUMENY > 255'		
		24E7	2226+	ERM235 EQU	*	ADDRESS OF MESSAGE	
24E7	F7F8F6	24E9	2227+	DC	CL(ERMLDN)'786'	ERROR NUMBER	
24EA	1D	24EA	2228+	DC	AL(ERMLCT)(28+ERMLCT)	COUNT OF MESSAGE	
24EB	C8C3E240C6E4D5C3	2506	2229+	DC	CL28'HCS FUNCTION--ARGUMENY > 255'		
24F3	E3C9D6D56060C1D9		2229+				
24FB	C7E4D4C5D5E8406E		2229+				
2503	40F2F5F5		2229+				
			2230+	***	END OF EXPANSION	***	

			2232 *	\$MSG	SEQNR-236,ERRNR-790,CNT-16,		X
			2233 *		TXT-'DIVISION BY ZERO'		
		2507	2234+	ERM236 EQU	*	ADDRESS OF MESSAGE	
2507	F7F9F0	2509	2235+	DC	CL(ERMLDN)'790'	ERROR NUMBER	
250A	11	250A	2236+	DC	AL(ERMLCT)(16+ERMLCT)	COUNT OF MESSAGE	
250B	C4C9E5C9E2C9D6D5	251A	2237+	DC	CL16'DIVISION BY ZERO'		
2513	40C2E840E9C5D9D6		2237+				
			2238+	***	END OF EXPANSION	***	

			2240 *	\$MSG	SEQNR-237,ERRNR-791,CNT-35,		X
			2241 *		TXT-'OVERFLOW - VALUE NOT LESS THAN 1E99'		
		251B	2242+	ERM237 EQU	*	ADDRESS OF MESSAGE	
251B	F7F9F1	251D	2243+	DC	CL(ERMLDN)'791'	ERROR NUMBER	

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ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 59
251E	24			251E	2244+	DC	AL(ERMLCT)(35+ERMLCT) COUNT OF MESSAGE	
251F	D6E5C5D9C6D3D6E6			2541	2245+	DC	CL35'OVERFLOW - VALUE NOT LESS THAN 1E99'	
2527	406040E5C1D3E4C5				2245+			
252F	40D5D6E340D3C5E2				2245+			
2537	E240E3C8C1D540F1				2245+			
253F	C5F9F9				2245+			
					2246+	***	END OF EXPANSION ***	
					2248	*	\$MSG SEQNR-238,ERRNR-792,CNT-33,	X
					2249	*	TXT-'UNDERFLOW - VALUE LESS THAN 1E99'	
				2542	2250+ERM238	EQU	* ADDRESS OF MESSAGE	
2542	F7F9F2			2544	2251+	DC	CL(ERMLDN)'792' ERROR NUMBER	
2545	22			2545	2252+	DC	AL(ERMLCT)(33+ERMLCT) COUNT OF MESSAGE	
2546	E4D5C4C5D9C6D3D6			2566	2253+	DC	CL33'UNDERFLOW - VALUE LESS THAN 1E99'	
254E	E6406040E5C1D3E4				2253+			
2556	C540D3C5E2E240E3				2253+			
255E	C8C1D540F1C5F9F9				2253+			
2566	40				2253+			
					2254+	***	END OF EXPANSION ***	
					2256	*	\$MSG SEQNR-239,ERRNR-793,CNT-27,	X
					2257	*	TXT-'TAN FUNCTION ARGUMENT > 100'	
				2567	2258+ERM239	EQU	* ADDRESS OF MESSAGE	
2567	F7F9F3			2569	2259+	DC	CL(ERMLDN)'793' ERROR NUMBER	
256A	1C			256A	2260+	DC	AL(ERMLCT)(27+ERMLCT) COUNT OF MESSAGE	
256B	E3C1D540C6E4D5C3			2585	2261+	DC	CL27'TAN FUNCTION ARGUMENT > 100'	
2573	E3C9D6D540C1D9C7				2261+			
257B	E4D4C5D5E3406E40				2261+			
2583	F1F0F0				2261+			
					2262+	***	END OF EXPANSION ***	
					2264	*	\$MSG SEQNR-240,ERRNR-794,CNT-27,	X
					2265	*	TXT-'COT FUNCTION ARGUMENT > 100'	
				2586	2266+ERM240	EQU	* ADDRESS OF MESSAGE	
2586	F7F9F4			2588	2267+	DC	CL(ERMLDN)'794' ERROR NUMBER	
2589	1C			2589	2268+	DC	AL(ERMLCT)(27+ERMLCT) COUNT OF MESSAGE	
258A	C3D6E340C6E4D5C3			25A4	2269+	DC	CL27'COT FUNCTION ARGUMENT > 100'	
2592	E3C9D6D540C1D9C7				2269+			
259A	E4D4C5D5E3406E40				2269+			
25A2	F1F0F0				2269+			
					2270+	***	END OF EXPANSION ***	
					2272	*	\$MSG SEQNR-241,ERRNR-795,CNT-27,	X
					2273	*	TXT-'SIN FUNCTION ARGUMENT > 100'	
				25A5	2274+ERM241	EQU	* ADDRESS OF MESSAGE	
25A5	F7F9F5			25A7	2275+	DC	CL(ERMLDN)'795' ERROR NUMBER	
25A8	1C			25A8	2276+	DC	AL(ERMLCT)(27+ERMLCT) COUNT OF MESSAGE	
25A9	E2C9D540C6E4D5C3			25C3	2277+	DC	CL27'SIN FUNCTION ARGUMENT > 100'	
25B1	E3C9D6D540C1D9C7				2277+			
25B9	E4D4C5D5E3406E40				2277+			
25C1	F1F0F0				2277+			
					2278+	***	END OF EXPANSION ***	
					2280	*	\$MSG SEQNR-242,ERRNR-796,CNT-27,	X
					2281	*	TXT-'COS FUNCTION ARGUMENT > 100'	
				25C4	2282+ERM242	EQU	* ADDRESS OF MESSAGE	

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25C4	F7F9F6	25C6	2283+	DC	CL(ERMLDN)'796'	ERROR NUMBER	
25C7	1C	25C7	2284+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE	
25C8	C3D6E240C6E4D5C3	25E2	2285+	DC	CL27'COS FUNCTION ARGUMENT > 100'		
25D0	E3C9D6D540C1D9C7		2285+				
25D8	E4D4C5D5E3406E40		2285+				
25E0	F1F0F0		2285+				
			2286+	***	END OF EXPANSION ***		

			2288	*	\$MSG	SEQNR-243,ERRNR-727,CNT-27,	X
			2289	*		TXT-'SEC FUNCTION ARGUMENT > 100'	
		25E3	2290+	ERM243	EQU	*	ADDRESS OF MESSAGE
25E3	F7F2F7	25E5	2291+	DC	CL(ERMLDN)'727'	ERROR NUMBER	
25E6	1C	25E6	2292+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE	
25E7	E2C5C340C6E4D5C3	2601	2293+	DC	CL27'SEC FUNCTION ARGUMENT > 100'		
25EF	E3C9D6D540C1D9C7		2293+				
25F7	E4D4C5D5E3406E40		2293+				
25FF	F1F0F0		2293+				
			2294+	***	END OF EXPANSION ***		

			2296	*	\$MSG	SEQNR-244,ERRNR-798,CNT-27,	X
			2297	*		TXT-'CSC FUNCTION ARGEMENT > 100'	
		2602	2298+	ERM244	EQU	*	ADDRESS OF MESSAGE
2602	F7F9F8	2604	2299+	DC	CL(ERMLDN)'798'	ERROR NUMBER	
2605	1C	2605	2300+	DC	AL(ERMLCT)(27+ERMLCT)	COUNT OF MESSAGE	
2606	C3E2C340C6E4D5C3	2620	2301+	DC	CL27'CSC FUNCTION ARGEMENT > 100'		
260E	E3C9D6D540C1D9C7		2301+				
2616	C5D4C5D5E3406E40		2301+				
261E	F1F0F0		2301+				
			2302+	***	END OF EXPANSION ***		

			2304	*	\$MSG	SEQNR-245,ERRNR-900,CNT-34,	X
			2305	*		TXT-'INVALID FUNCTION IN PROCEDURE STEP'	
		2621	2306+	ERM245	EQU	*	ADDRESS OF MESSAGE
2621	F9F0F0	2623	2307+	DC	CL(ERMLDN)'900'	ERROR NUMBER	
2624	23	2624	2308+	DC	AL(ERMLCT)(34+ERMLCT)	COUNT OF MESSAGE	
2625	C9D5E5C1D3C9C440	2646	2309+	DC	CL34'INVALID FUNCTION IN PROCEDURE STEP'		
262D	C6E4D5C3E3C9D6D5		2309+				
2635	40C9D540D7D9D6C3		2309+				
263D	C5C4E4D9C540E2E3		2309+				
2645	C5D7		2309+				
			2310+	***	END OF EXPANSION ***		

			2312	*	\$MSG	SEQNR-246,ERRNR-901,CNT-26,	X
			2313	*		TXT-'PROCEDURE ALREADY DEFINED'	
		2647	2314+	ERM246	EQU	*	ADDRESS OF MESSAGE
2647	F9F0F1	2649	2315+	DC	CL(ERMLDN)'901'	ERROR NUMBER	
264A	1B	264A	2316+	DC	AL(ERMLCT)(26+ERMLCT)	COUNT OF MESSAGE	
264B	D7D9D6C3C5C4E4D9	2664	2317+	DC	CL26'PROCEDURE ALREADY DEFINED'		
2653	C540C1D3D9C5C1C4		2317+				
265B	E840C4C5C6C9D5C5		2317+				
2663	C440		2317+				
			2318+	***	END OF EXPANSION ***		

			2320	*	\$MSG	SEQNR-247,ERRNR-902,CNT-21,	X
			2321	*		TXT-'PROCEDURE NOT DEFINED'	
		2665	2322+	ERM247	EQU	*	ADDRESS OF MESSAGE

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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 61
2665	F9F0F2		2667	2323+	DC	CL(ERMLDN)'902'	ERROR NUMBER
2668	16		2668	2324+	DC	AL(ERMLCT)(21+ERMLCT)	COUNT OF MESSAGE
2669	D7D9D6C3C5C4E4D9		267D	2325+	DC	CL21'PROCEDURE NOT DEFINED'	
2671	C540D5D6E340C4C5			2325+			
2679	C6C9D5C5C4			2325+			
				2326+	***	END OF EXPANSION ***	
				2328	*	\$MSG SEQNR-248,ERRNR-903,CNT-26,	X
				2329	*	TXT-'PROCEDURE > 512 CHARACTERS'	
			267E	2330+	ERM248 EQU	*	ADDRESS OF MESSAGE
267E	F9F0F3		2680	2331+	DC	CL(ERMLDN)'903'	ERROR NUMBER
2681	1B		2681	2332+	DC	AL(ERMLCT)(26+ERMLCT)	COUNT OF MESSAGE
2682	D7D9D6C3C5C4E4D9		269B	2333+	DC	CL26'PROCEDURE > 512 CHARACTERS'	
268A	C5406E40F5F1F240			2333+			
2692	C3C8C1D9C1C3E3C5			2333+			
269A	D9E2			2333+			
				2334+	***	END OF EXPANSION ***	
				2336	*	\$MSG SEQNR-249,ERRNR-905,CNT-35,	X
				2337	*	TXT-'DESK CALCULATOR REQUIRES WIDTH > 63'	
			269C	2338+	ERM249 EQU	*	ADDRESS OF MESSAGE
269C	F9F0F5		269E	2339+	DC	CL(ERMLDN)'905'	ERROR NUMBER
269F	24		269F	2340+	DC	AL(ERMLCT)(35+ERMLCT)	COUNT OF MESSAGE
26A0	C4C5E2D240C3C1D3		26C2	2341+	DC	CL35'DESK CALCULATOR REQUIRES WIDTH > 63'	
26A8	C3E4D3C1E3D6D940			2341+			
26B0	D9C5D8E4C9D9C5E2			2341+			
26B8	40E6C9C4E3C8406E			2341+			
26C0	40F6F3			2341+			
				2342+	***	END OF EXPANSION ***	
				2344	*	\$MSG SEQNR-250,ERRNR-906,CNT-41,	X
				2345	*	TXT-'INVALID CHARACTER IN PROCEDURE DEFINITION'	
			26C3	2346+	ERM250 EQU	*	ADDRESS OF MESSAGE
26C3	F9F0F6		26C5	2347+	DC	CL(ERMLDN)'906'	ERROR NUMBER
26C6	2A		26C6	2348+	DC	AL(ERMLCT)(41+ERMLCT)	COUNT OF MESSAGE
26C7	C9D5E5C1D3C9C440		26EF	2349+	DC	CL41'INVALID CHARACTER IN PROCEDURE DEFINITION'	
26CF	C3C8C1D9C1C3E3C5			2349+			
26D7	D940C9D540D7D9D6			2349+			
26DF	C3C5C4E4D9C540C4			2349+			
26E7	C5C6C9D5C9E3C9D6			2349+			
26EF	D5			2349+			
				2350+	***	END OF EXPANSION ***	
				2352	*	\$MSG SEQNR-251,ERRNR-910,CNT-17,	X
				2353	*	TXT-'INVALID OPERATION'	
			26F0	2354+	ERM251 EQU	*	ADDRESS OF MESSAGE
26F0	F9F1F0		26F2	2355+	DC	CL(ERMLDN)'910'	ERROR NUMBER
26F3	12		26F3	2356+	DC	AL(ERMLCT)(17+ERMLCT)	COUNT OF MESSAGE
26F4	C9D5E5C1D3C9C440		2704	2357+	DC	CL17'INVALID OPERATION'	
26FC	D6D7C5D9C1E3C9D6			2357+			
2704	D5			2357+			
				2358+	***	END OF EXPANSION ***	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 62
			2361		*****	
			2362	*	SYNTAX CHECK ERROR MESSAGES	*
			2363		*****	
			2364	*	\$MSG SEQNR-S00,ERRNR-001,CNT-31,	X
			2365	*	TXT-'MISSING <ARITHMETIC EXPRESSION>'	
		2705	2366+	ERMS00 EQU	* ADDRESS OF MESSAGE	
2705	F0F0F1	2707	2367+	DC	CL(ERMLDN)'001'	ERROR NUMBER
2708	20	2708	2368+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
2709	D4C9E2E2C9D5C740	2727	2369+	DC	CL31'MISSING <ARITHMETIC EXPRESSION>'	
2711	4CC1D9C9E3C8D4C5		2369+			
2719	E3C9C340C5E7D7D9		2369+			
2721	C5E2E2C9D6D56E		2369+			
			2370+	***	END OF EXPANSION ***	
			2372	*	\$MSG SEQNR-S01,ERRNR-003,CNT-24,	X
			2373	*	TXT-'UNBALANCED <PARENTHESES>'	
		2728	2374+	ERMS01 EQU	* ADDRESS OF MESSAGE	
2728	F0F0F3	272A	2375+	DC	CL(ERMLDN)'003'	ERROR NUMBER
272B	19	272B	2376+	DC	AL(ERMLCT)(24+ERMLCT)	COUNT OF MESSAGE
272C	E4D5C2C1D3C1D5C3	2743	2377+	DC	CL24'UNBALANCED <PARENTHESES>'	
2734	C5C4404CD7C1D9C5		2377+			
273C	D5E3C8C5E2C5E26E		2377+			
			2378+	***	END OF EXPANSION ***	
			2380	*	\$MSG SEQNR-S02,ERRNR-004,CNT-47,	X
			2381	*	TXT-'<ARITHMETIC CONSTANT> CONTAINS 2 DECIMAL POINTS'	
		2744	2382+	ERMS02 EQU	* ADDRESS OF MESSAGE	
2744	F0F0F4	2746	2383+	DC	CL(ERMLDN)'004'	ERROR NUMBER
2747	30	2747	2384+	DC	AL(ERMLCT)(47+ERMLCT)	COUNT OF MESSAGE
2748	4CC1D9C9E3C8D4C5	2776	2385+	DC	CL47'<ARITHMETIC CONSTANT> CONTAINS 2 DECIMAL POINTS'	
2750	E3C9C340C3D6D5E2		2385+			
2758	E3C1D5E36E40C3D6		2385+			
2760	D5E3C1C9D5E240F2		2385+			
2768	40C4C5C3C9D4C1D3		2385+			
2770	40D7D6C9D5E3E2		2385+			
			2386+	***	END OF EXPANSION ***	
			2388	*	\$MSG SEQNR-S03,ERRNR-006,CNT-43,	X
			2389	*	TXT-'DECIMAL POINT WITHOUT <ARITHMETIC CONSTANT>'	
		2777	2390+	ERMS03 EQU	* ADDRESS OF MESSAGE	
2777	F0F0F6	2779	2391+	DC	CL(ERMLDN)'006'	ERROR NUMBER
277A	2C	277A	2392+	DC	AL(ERMLCT)(43+ERMLCT)	COUNT OF MESSAGE
277B	C4C5C3C9D4C1D340	27A5	2393+	DC	CL43'DECIMAL POINT WITHOUT <ARITHMETIC CONSTANT>'	
2783	D7D6C9D5E340E6C9		2393+			
278B	E3C8D6E4E3404CC1		2393+			
2793	D9C9E3C8D4C5E3C9		2393+			
279B	C340C3D6D5E2E3C1		2393+			
27A3	D5E36E		2393+			
			2394+	***	END OF EXPANSION ***	
			2396	*	\$MSG SEQNR-S04,ERRNR-006,CNT-34,	X
			2397	*	TXT-'INCOMPLETE <ARITHMETIC EXPRESSION>'	
		27A6	2398+	ERMS04 EQU	* ADDRESS OF MESSAGE	
27A6	F0F0F6	27A8	2399+	DC	CL(ERMLDN)'006'	ERROR NUMBER
27A9	23	27A9	2400+	DC	AL(ERMLCT)(34+ERMLCT)	COUNT OF MESSAGE
27AA	C9D5C3D6D4D7D3C5	27CB	2401+	DC	CL34'INCOMPLETE <ARITHMETIC EXPRESSION>'	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	16/05/20	PAGE 63
27B2	E3C5404CC1D9C9E3			2401+					
27BA	C8D4C5E3C9C340C5			2401+					
27C2	E7D7D9C5E2E2C9D6			2401+					
27CA	D56E			2401+					
				2402+	***	END OF EXPANSION ***			
				2404 *	\$MSG	SEQNR-S05,ERRNR-007,CNT-38,			X
				2405 *		TXT-'INVALID CHARACTER FOLLOWING <OPERATOR>'			
		27CC		2406+	ERMS05 EQU	* ADDRESS OF MESSAGE			
27CC	F0F0F7	27CE		2407+	DC	CL(ERMLDN)'007'			ERROR NUMBER
27CF	27	27CF		2408+	DC	AL(ERMLCT)(38+ERMLCT)			COUNT OF MESSAGE
27D0	C9D5E5C1D3C9C440	27F5		2409+	DC	CL38'INVALID CHARACTER FOLLOWING <OPERATOR>'			
27D8	C3C8C1D9C1C3E3C5			2409+					
27E0	D940C6D6D3D3D6E6			2409+					
27E8	C9D5C7404CD6D7C5			2409+					
27F0	D9C1E3D6D96E			2409+					
				2410+	***	END OF EXPANSION ***			
				2412 *	\$MSG	SEQNR-S06,ERRNR-008,CNT-47,			X
				2413 *		TXT-'<CHARACTER VARIABLE> IN <ARITHMETIC EXPRESSION>'			
		27F6		2414+	ERMS06 EQU	* ADDRESS OF MESSAGE			
27F6	F0F0F8	27F8		2415+	DC	CL(ERMLDN)'008'			ERROR NUMBER
27F9	30	27F9		2416+	DC	AL(ERMLCT)(47+ERMLCT)			COUNT OF MESSAGE
27FA	4CC3C8C1D9C1C3E3	2828		2417+	DC	CL47'<CHARACTER VARIABLE> IN <ARITHMETIC EXPRESSION>'			
2802	C5D940E5C1D9C9C1			2417+					
280A	C2D3C56E40C9D540			2417+					
2812	4CC1D9C9E3C8D4C5			2417+					
281A	E3C9C340C5E7D7D9			2417+					
2822	C5E2E2C9D6D56E			2417+					
				2418+	***	END OF EXPANSION ***			
				2420 *	\$MSG	SEQNR-S07,ERRNR-009,CNT-34,			X
				2421 *		TXT-'INVALID EXPRESSION FIRST CHARACTER'			
		2829		2422+	ERMS07 EQU	* ADDRESS OF MESSAGE			
2829	F0F0F9	282B		2423+	DC	CL(ERMLDN)'009'			ERROR NUMBER
282C	23	282C		2424+	DC	AL(ERMLCT)(34+ERMLCT)			COUNT OF MESSAGE
282D	C9D5E5C1D3C9C440	284E		2425+	DC	CL34'INVALID EXPRESSION FIRST CHARACTER'			
2835	C5E7D7D9C5E2E2C9			2425+					
283D	D6D540C6C9D9E2E3			2425+					
2845	40C3C8C1D9C1C3E3			2425+					
284D	C5D9			2425+					
				2426+	***	END OF EXPANSION ***			
				2428 *	\$MSG	SEQNR-S08,ERRNR-010,CNT-27,			X
				2429 *		TXT-'INVALID <SECONDARY KEYWORD>'			
		284F		2430+	ERMS08 EQU	* ADDRESS OF MESSAGE			
284F	F0F1F0	2851		2431+	DC	CL(ERMLDN)'010'			ERROR NUMBER
2852	1C	2852		2432+	DC	AL(ERMLCT)(27+ERMLCT)			COUNT OF MESSAGE
2853	C9D5E5C1D3C9C440	286D		2433+	DC	CL27'INVALID <SECONDARY KEYWORD>'			
285B	4CE2C5C3D6D5C4C1			2433+					
2863	D9E840D2C5E8E6D6			2433+					
286B	D9C46E			2433+					
				2434+	***	END OF EXPANSION ***			
				2436 *	\$MSG	SEQNR-S09,ERRNR-011,CNT-31,			X
				2437 *		TXT-'COMMA NOT FOLLOWING LINE NUMBER'			

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 64
			286E	2438+	ERMS09 EQU	* ADDRESS OF MESSAGE	
286E	F0F1F1		2870	2439+	DC	CL(ERMLDN)'011'	ERROR NUMBER
2871	20		2871	2440+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
2872	C3D6D4D4C140D5D6		2890	2441+	DC	CL31'COMMA NOT FOLLOWING LINE NUMBER'	
287A	E340C6D6D3D3D6E6			2441+			
2882	C9D5C740D3C9D5C5			2441+			
288A	40D5E4D4C2C5D9			2441+			
				2442+	*** END OF EXPANSION ***		
				2444 *	\$MSG	SEQNR-S10,ERRNR-012,CNT-19,	X
				2445 *		TXT-'INVALID <DELIMITER>'	
			2891	2446+	ERMS10 EQU	* ADDRESS OF MESSAGE	
2891	F0F1F2		2893	2447+	DC	CL(ERMLDN)'012'	ERROR NUMBER
2894	14		2894	2448+	DC	AL(ERMLCT)(19+ERMLCT)	COUNT OF MESSAGE
2895	C9D5E5C1D3C9C440		28A7	2449+	DC	CL19'INVALID <DELIMITER>'	
289D	4CC4C5D3C9D4C9E3			2449+			
28A5	C5D96E			2449+			
				2450+	*** END OF EXPANSION ***		
				2452 *	\$MSG	SEQNR-S11,ERRNR-013,CNT-31,	X
				2453 *		TXT-'INCOMPLETE <CHARACTER CONSTANT>'	
			28A8	2454+	ERMS11 EQU	* ADDRESS OF MESSAGE	
28A8	F0F1F3		28AA	2455+	DC	CL(ERMLDN)'013'	ERROR NUMBER
28AB	20		28AB	2456+	DC	AL(ERMLCT)(31+ERMLCT)	COUNT OF MESSAGE
28AC	C9D5C3D6D4D7D3C5		28CA	2457+	DC	CL31'INCOMPLETE <CHARACTER CONSTANT>'	
28B4	E3C5404CC3C8C1D9			2457+			
28BC	C1C3E3C5D940C3D6			2457+			
28C4	D5E2E3C1D5E36E			2457+			
				2458+	*** END OF EXPANSION ***		
				2460 *	\$MSG	SEQNR-S12,ERRNR-014,CNT-26,	X
				2461 *		TXT-'INVALID FILE SPECIFICATION'	
			28CB	2462+	ERMS12 EQU	* ADDRESS OF MESSAGE	
28CB	F0F1F4		28CD	2463+	DC	CL(ERMLDN)'014'	ERROR NUMBER
28CE	1B		28CE	2464+	DC	AL(ERMLCT)(26+ERMLCT)	COUNT OF MESSAGE
28CF	C9D5E5C1D3C9C440		28E8	2465+	DC	CL26'INVALID FILE SPECIFICATION'	
28D7	C6C9D3C540E2D7C5			2465+			
28DF	C3C9C6C9C3C1E3C9			2465+			
28E7	D6D5			2465+			
				2466+	*** END OF EXPANSION ***		
				2468 *	\$MSG	SEQNR-S13,ERRNR-015,CNT-34,	X
				2469 *		TXT-'VARIABLE NOT PRESENT IN INPUT LIST'	
			28E9	2470+	ERMS13 EQU	* ADDRESS OF MESSAGE	
28E9	F0F1F5		28EB	2471+	DC	CL(ERMLDN)'015'	ERROR NUMBER
28EC	23		28EC	2472+	DC	AL(ERMLCT)(34+ERMLCT)	COUNT OF MESSAGE
28ED	E5C1D9C9C1C2D3C5		290E	2473+	DC	CL34'VARIABLE NOT PRESENT IN INPUT LIST'	
28F5	40D5D6E340D7D9C5			2473+			
28FD	E2C5D5E340C9D540			2473+			
2905	C9D5D7E4E340D3C9			2473+			
290D	E2E3			2473+			
				2474+	*** END OF EXPANSION ***		
				2476 *	\$MSG	SEQNR-S14,ERRNR-016,CNT-16,	X
				2477 *		TXT-'INVALID VARIABLE'	
			290F	2478+	ERMS14 EQU	* ADDRESS OF MESSAGE	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 65
290F	F0F1F6	2911	2479+	DC	CL(ERMLDN)'016'	ERROR NUMBER	
2912	11	2912	2480+	DC	AL(ERMLCT)(16+ERMLCT)	COUNT OF MESSAGE	
2913	C9D5E5C1D3C9C440	2922	2481+	DC	CL16'INVALID VARIABLE'		
291B	E5C1D9C9C1C2D3C5		2481+				
			2482+	***	END OF EXPANSION ***		
			2484	*	\$MSG SEQNR-S15,ERRNR-017,CNT-28,		X
			2485	*	TXT-'INVALID EXPONENT IN CONSTANT'		
		2923	2486+	ERMS15 EQU	*	ADDRESS OF MESSAGE	
2923	F0F1F7	2925	2487+	DC	CL(ERMLDN)'017'	ERROR NUMBER	
2926	1D	2926	2488+	DC	AL(ERMLCT)(28+ERMLCT)	COUNT OF MESSAGE	
2927	C9D5E5C1D3C9C440	2942	2489+	DC	CL28'INVALID EXPONENT IN CONSTANT'		
292F	C5E7D7D6D5C5D5E3		2489+				
2937	40C9D540C3D6D5E2		2489+				
293F	E3C1D5E3		2489+				
			2490+	***	END OF EXPANSION ***		
			2492	*	\$MSG SEQNR-S16,ERRNR-018,CNT-42,		X
			2493	*	TXT- '<OPERATOR> WITHOUT VALID PRECEDING OPERAND'		
		2943	2494+	ERMS16 EQU	*	ADDRESS OF MESSAGE	
2943	F0F1F8	2945	2495+	DC	CL(ERMLDN)'018'	ERROR NUMBER	
2946	2B	2946	2496+	DC	AL(ERMLCT)(42+ERMLCT)	COUNT OF MESSAGE	
2947	4CD6D7C5D9C1E3D6	2970	2497+	DC	CL42'<OPERATOR> WITHOUT VALID PRECEDING OPERAND'		
294F	D96E40E6C9E3C8D6		2497+				
2957	E4E340E5C1D3C9C4		2497+				
295F	40D7D9C5C3C5C4C9		2497+				
2967	D5C740D6D7C5D9C1		2497+				
296F	D5C4		2497+				
			2498+	***	END OF EXPANSION ***		
			2500	*	\$MSG SEQNR-S17,ERRNR-019,CNT-50,		X
			2501	*	TXT- '<OPERATOR> REQUIRED BTWN LAST 2 CHARACTERS CHECKED'		
		2971	2502+	ERMS17 EQU	*	ADDRESS OF MESSAGE	
2971	F0F1F9	2973	2503+	DC	CL(ERMLDN)'019'	ERROR NUMBER	
2974	33	2974	2504+	DC	AL(ERMLCT)(50+ERMLCT)	COUNT OF MESSAGE	
2975	4CD6D7C5D9C1E3D6	29A6	2505+	DC	CL50'<OPERATOR> REQUIRED BTWN LAST 2 CHARACTERS CHECKED'		
297D	D96E40D9C5D8E4C9		2505+				
2985	D9C5C440C2E3E6D5		2505+				
298D	40D3C1E2E340F240		2505+				
2995	C3C8C1D9C1C3E3C5		2505+				
299D	D9E240C3C8C5C3D2		2505+				
29A5	C5C4		2505+				
			2506+	***	END OF EXPANSION ***		
			2508	*	\$MSG SEQNR-S18,ERRNR-020,CNT-16,		X
			2509	*	TXT- 'INVALID CONSTANT'		
		29A7	2510+	ERMS18 EQU	*	ADDRESS OF MESSAGE	
29A7	F0F2F0	29A9	2511+	DC	CL(ERMLDN)'020'	ERROR NUMBER	
29AA	11	29AA	2512+	DC	AL(ERMLCT)(16+ERMLCT)	COUNT OF MESSAGE	
29AB	C9D5E5C1D3C9C440	29BA	2513+	DC	CL16'INVALID CONSTANT'		
29B3	C3D6D5E2E3C1D5E3		2513+				
			2514+	***	END OF EXPANSION ***		
			2516	*	\$MSG SEQNR-S19,ERRNR-021,CNT-22,		X
			2517	*	TXT- '<LINE NUMBER> TOO LONG'		
		29BB	2518+	ERMS19 EQU	*	ADDRESS OF MESSAGE	

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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 66
29BB	F0F2F1	29BD	2519+	DC	CL(ERMLDN)'021'	ERROR NUMBER	
29BE	17	29BE	2520+	DC	AL(ERMLCT)(22+ERMLCT)	COUNT OF MESSAGE	
29BF	4CD3C9D5C540D5E4	29D4	2521+	DC	CL22'<LINE NUMBER> TOO LONG'		
29C7	D4C2C5D96E40E3D6		2521+				
29CF	D640D3D6D5C7		2521+				
			2522+	***	END OF EXPANSION ***		
			2524	*	\$MSG SEQNR-S20,ERRNR-023,CNT-25,		X
			2525	*	TXT-'INVALID <SYSTEM CONSTANT>'		
		29D5	2526+	ERMS20 EQU	*	ADDRESS OF MESSAGE	
29D5	F0F2F3	29D7	2527+	DC	CL(ERMLDN)'023'	ERROR NUMBER	
29D8	1A	29D8	2528+	DC	AL(ERMLCT)(25+ERMLCT)	COUNT OF MESSAGE	
29D9	C9D5E5C1D3C9C440	29F1	2529+	DC	CL25'INVALID <SYSTEM CONSTANT>'		
29E1	4CE2E8E2E3C5D440		2529+				
29E9	C3D6D5E2E3C1D5E3		2529+				
29F1	6E		2529+				
			2530+	***	END OF EXPANSION ***		
			2532	*	\$MSG SEQNR-S21,ERRNR-024,CNT-32,		X
			2533	*	TXT-'INVALID OR MISSING <LINE NUMBER>'		
		29F2	2534+	ERMS21 EQU	*	ADDRESS OF MESSAGE	
29F2	F0F2F4	29F4	2535+	DC	CL(ERMLDN)'024'	ERROR NUMBER	
29F5	21	29F5	2536+	DC	AL(ERMLCT)(32+ERMLCT)	COUNT OF MESSAGE	
29F6	C9D5E5C1D3C9C440	2A15	2537+	DC	CL32'INVALID OR MISSING <LINE NUMBER>'		
29FE	D6D940D4C9E2E2C9		2537+				
2A06	D5C7404CD3C9D5C5		2537+				
2A0E	40D5E4D4C2C5D96E		2537+				
			2538+	***	END OF EXPANSION ***		
			2540	*	\$MSG SEQNR-S22,ERRNR-024,CNT-25,		X
			2541	*	TXT-'INVALID <PRIMARY KEYWORD>'		
		2A16	2542+	ERMS22 EQU	*	ADDRESS OF MESSAGE	
2A16	F0F2F4	2A18	2543+	DC	CL(ERMLDN)'024'	ERROR NUMBER	
2A19	1A	2A19	2544+	DC	AL(ERMLCT)(25+ERMLCT)	COUNT OF MESSAGE	
2A1A	C9D5E5C1D3C9C440	2A32	2545+	DC	CL25'INVALID <PRIMARY KEYWORD>'		
2A22	4CD7D9C9D4C1D9E8		2545+				
2A2A	40D2C5E8E6D6D9C4		2545+				
2A32	6E		2545+				
			2546+	***	END OF EXPANSION ***		
			2548	*	\$MSG SEQNR-S23,ERRNR-026,CNT-41,		X
			2549	*	TXT-'NO EQUAL SIGN AFTER <ARITHMETIC VARIABLE>'		
		2A33	2550+	ERMS23 EQU	*	ADDRESS OF MESSAGE	
2A33	F0F2F6	2A35	2551+	DC	CL(ERMLDN)'026'	ERROR NUMBER	
2A36	2A	2A36	2552+	DC	AL(ERMLCT)(41+ERMLCT)	COUNT OF MESSAGE	
2A37	D5D640C5D8E4C1D3	2A5F	2553+	DC	CL41'NO EQUAL SIGN AFTER <ARITHMETIC VARIABLE>'		
2A3F	40E2C9C7D540C1C6		2553+				
2A47	E3C5D9404CC1D9C9		2553+				
2A4F	E3C8D4C5E3C9C340		2553+				
2A57	E5C1D9C9C1C2D3C5		2553+				
2A5F	6E		2553+				
			2554+	***	END OF EXPANSION ***		
			2556	*	\$MSG SEQNR-S24,ERRNR-027,CNT-36,		X
			2557	*	TXT-'INVALID SIMPLE <ARITHMETIC VARIABLE>'		
		2A60	2558+	ERMS24 EQU	*	ADDRESS OF MESSAGE	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 67
2A60	F0F2F7			2A62	2559+	DC	CL(ERMLDN)'027'	ERROR NUMBER	
2A63	25			2A63	2560+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE	
2A64	C9D5E5C1D3C9C440			2A87	2561+	DC	CL36'INVALID SIMPLE <ARITHMETIC VARIABLE>'		
2A6C	E2C9D4D7D3C5404C				2561+				
2A74	C1D9C9E3C8D4C5E3				2561+				
2A7C	C9C340E5C1D9C9C1				2561+				
2A84	C2D3C56E				2561+				
					2562+	***	END OF EXPANSION ***		
					2564 *	\$MSG	SEQNR-S25,ERRNR-028,CNT-36,	X	
					2565 *		TXT-'INVALID <CONTROL VARIABLE> CHARACTER'		
				2A88	2566+ERMS25	EQU	*	ADDRESS OF MESSAGE	
2A88	F0F2F8			2A8A	2567+	DC	CL(ERMLDN)'028'	ERROR NUMBER	
2A8B	25			2A8B	2568+	DC	AL(ERMLCT)(36+ERMLCT)	COUNT OF MESSAGE	
2A8C	C9D5E5C1D3C9C440			2AAF	2569+	DC	CL36'INVALID <CONTROL VARIABLE> CHARACTER'		
2A94	4CC3D6D5E3D9D6D3				2569+				
2A9C	40E5C1D9C9C1C2D3				2569+				
2AA4	C56E40C3C8C1D9C1				2569+				
2AAC	C3E3C5D9				2569+				
					2570+	***	END OF EXPANSION ***		
					2572 *	\$MSG	SEQNR-S26,ERRNR-029,CNT-29,	X	
					2573 *		TXT-'MISSING <RELATIONAL OPERATOR>'		
				2AB0	2574+ERMS26	EQU	*	ADDRESS OF MESSAGE	
2AB0	F0F2F9			2AB2	2575+	DC	CL(ERMLDN)'029'	ERROR NUMBER	
2AB3	1E			2AB3	2576+	DC	AL(ERMLCT)(29+ERMLCT)	COUNT OF MESSAGE	
2AB4	D4C9E2E2C9D5C740			2AD0	2577+	DC	CL29'MISSING <RELATIONAL OPERATOR>'		
2ABC	4CD9C5D3C1E3C9D6				2577+				
2AC4	D5C1D340D6D7C5D9				2577+				
2ACC	C1E3D6D96E				2577+				
					2578+	***	END OF EXPANSION ***		
					2580 *	\$MSG	SEQNR-S27,ERRNR-030,CNT-41,	X	
					2581 *		TXT-'INVALID OR MISSING <CHARACTER EXPRESSION>'		
				2AD1	2582+ERMS27	EQU	*	ADDRESS OF MESSAGE	
2AD1	F0F3F0			2AD3	2583+	DC	CL(ERMLDN)'030'	ERROR NUMBER	
2AD4	2A			2AD4	2584+	DC	AL(ERMLCT)(41+ERMLCT)	COUNT OF MESSAGE	
2AD5	C9D5E5C1D3C9C440			2AFD	2585+	DC	CL41'INVALID OR MISSING <CHARACTER EXPRESSION>'		
2ADD	D6D940D4C9E2E2C9				2585+				
2AE5	D5C7404CC3C8C1D9				2585+				
2AED	C1C3E3C5D940C5E7				2585+				
2AF5	D7D9C5E2E2C9D6D5				2585+				
2AFD	6E				2585+				
					2586+	***	END OF EXPANSION ***		
					2588 *	\$MSG	SEQNR-S28,ERRNR-031,CNT-33,	X	
					2589 *		TXT-'INVALID <DEF> FUNCTION DEFINITION'		
				2AFE	2590+ERMS28	EQU	*	ADDRESS OF MESSAGE	
2AFE	F0F3F1			2B00	2591+	DC	CL(ERMLDN)'031'	ERROR NUMBER	
2B01	22			2B01	2592+	DC	AL(ERMLCT)(33+ERMLCT)	COUNT OF MESSAGE	
2B02	C9D5E5C1D3C9C440			2B22	2593+	DC	CL33'INVALID <DEF> FUNCTION DEFINITION'		
2B0A	4CC4C5C66E40C6E4				2593+				
2B12	D5C3E3C9D6D540C4				2593+				
2B1A	C5C6C9D5C9E3C9D6				2593+				
2B22	D5				2593+				
					2594+	***	END OF EXPANSION ***		

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20 PAGE 68
					2596 *	\$MSG	SEQNR-S29,ERRNR-032,CNT-45,	X
					2597 *		TXT-'NO EQUAL SIGN AFTER VALID FUNCTION DEFINITION'	
				2B23	2598+	ERMS29 EQU	* ADDRESS OF MESSAGE	
2B23	F0F3F2			2B25	2599+	DC	CL(ERMLDN)'032'	ERROR NUMBER
2B26	2E			2B26	2600+	DC	AL(ERMLCT)(45+ERMLCT)	COUNT OF MESSAGE
2B27	D5D640C5D8E4C1D3			2B53	2601+	DC	CL45'NO EQUAL SIGN AFTER VALID FUNCTION DEFINITION'	
2B2F	40E2C9C7D540C1C6				2601+			
2B37	E3C5D940E5C1D3C9				2601+			
2B3F	C440C6E4D5C3E3C9				2601+			
2B47	D6D540C4C5C6C9D5				2601+			
2B4F	C9E3C9D6D5				2601+			
					2602+	***	END OF EXPANSION ***	
					2604 *	\$MSG	SEQNR-S30,ERRNR-035,CNT-39,	X
					2605 *		TXT-'INVALID CHARACTER AFTER VALID STATEMENT'	
				2B54	2606+	ERMS30 EQU	* ADDRESS OF MESSAGE	
2B54	F0F3F5			2B56	2607+	DC	CL(ERMLDN)'035'	ERROR NUMBER
2B57	28			2B57	2608+	DC	AL(ERMLCT)(39+ERMLCT)	COUNT OF MESSAGE
2B58	C9D5E5C1D3C9C440			2B7E	2609+	DC	CL39'INVALID CHARACTER AFTER VALID STATEMENT'	
2B60	C3C8C1D9C1C3E3C5				2609+			
2B68	D940C1C6E3C5D940				2609+			
2B70	E5C1D3C9C440E2E3				2609+			
2B78	C1E3C5D4C5D5E3				2609+			
					2610+	***	END OF EXPANSION ***	
					2612 *	\$MSG	SEQNR-S31,ERRNR-036,CNT-49,	X
					2613 *		TXT-'VARIABLE IS NOT FOLLOWED BY A COMMA OR EQUAL SIGN'	
				2B7F	2614+	ERMS31 EQU	* ADDRESS OF MESSAGE	
2B7F	F0F3F6			2B81	2615+	DC	CL(ERMLDN)'036'	ERROR NUMBER
2B82	32			2B82	2616+	DC	AL(ERMLCT)(49+ERMLCT)	COUNT OF MESSAGE
2B83	E5C1D9C9C1C2D3C5			2BB3	2617+	DC	CL49'VARIABLE IS NOT FOLLOWED BY A COMMA OR EQUAL SIGN'	
2B8B	40C9E240D5D6E340				2617+			
2B93	C6D6D3D3D6E6C5C4				2617+			
2B9B	40C2E840C140C3D6				2617+			
2BA3	D4D4C140D6D940C5				2617+			
2BAB	D8E4C1D340E2C9C7				2617+			
2BB3	D5				2617+			
					2618+	***	END OF EXPANSION ***	
					2620 *	\$MSG	SEQNR-S32,ERRNR-037,CNT-47,	X
					2621 *		TXT-'CHARACTER AND ARITHMETIC <VARIABLES> INTERMIXED'	
				2BB4	2622+	ERMS32 EQU	* ADDRESS OF MESSAGE	
2BB4	F0F3F7			2BB6	2623+	DC	CL(ERMLDN)'037'	ERROR NUMBER
2BB7	30			2BB7	2624+	DC	AL(ERMLCT)(47+ERMLCT)	COUNT OF MESSAGE
2BB8	C3C8C1D9C1C3E3C5			2BE6	2625+	DC	CL47'CHARACTER AND ARITHMETIC <VARIABLES> INTERMIXED'	
2BC0	D940C1D5C440C1D9				2625+			
2BC8	C9E3C8D4C5E3C9C3				2625+			
2BD0	404CE5C1D9C9C1C2				2625+			
2BD8	D3C5E26E40C9D5E3				2625+			
2BE0	C5D9D4C9E7C5C4				2625+			
					2626+	***	END OF EXPANSION ***	
					2628 *	\$MSG	SEQNR-S33,ERRNR-038,CNT-28,	X
					2629 *		TXT-'INVALID <CHARACTER VARIABLE>'	
				2BE7	2630+	ERMS33 EQU	* ADDRESS OF MESSAGE	
2BE7	F0F3F8			2BE9	2631+	DC	CL(ERMLDN)'038'	ERROR NUMBER

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 69
2BEA	1D			2BEA	2632+	DC	AL(ERMLCT)(28+ERMLCT) COUNT OF MESSAGE		
2BEB	C9D5E5C1D3C9C440			2C06	2633+	DC	CL28'INVALID <CHARACTER VARIABLE>'		
2BF3	4CC3C8C1D9C1C3E3				2633+				
2BFB	C5D940E5C1D9C9C1				2633+				
2C03	C2D3C56E				2633+				
					2634+	***	END OF EXPANSION ***		
					2636 *	\$MSG	SEQNR-S34,ERRNR-039,CNT-20,	X	
					2637 *		TXT-'INVALID <ARRAY NAME>'		
				2C07	2638+ERMS34	EQU	*	ADDRESS OF MESSAGE	
2C07	F0F3F9			2C09	2639+	DC	CL(ERMLDN)'039'	ERROR NUMBER	
2C0A	15			2C0A	2640+	DC	AL(ERMLCT)(20+ERMLCT)	COUNT OF MESSAGE	
2C0B	C9D5E5C1D3C9C440			2C1E	2641+	DC	CL20'INVALID <ARRAY NAME>'		
2C13	4CC1D9D9C1E840D5				2641+				
2C1B	C1D4C56E				2641+				
					2642+	***	END OF EXPANSION ***		
					2644 *	\$MSG	SEQNR-S35,ERRNR-040,CNT-17,	X	
					2645 *		TXT-'INVALID Dimension'		
				2C1F	2646+ERMS35	EQU	*	ADDRESS OF MESSAGE	
2C1F	F0F4F0			2C21	2647+	DC	CL(ERMLDN)'040'	ERROR NUMBER	
2C22	12			2C22	2648+	DC	AL(ERMLCT)(17+ERMLCT)	COUNT OF MESSAGE	
2C23	C9D5E5C1D3C9C440			2C33	2649+	DC	CL17'INVALID Dimension'		
2C2B	C4C9948595A28996				2649+				
2C33	95				2649+				
					2650+	***	END OF EXPANSION ***		
					2652 *	\$MSG	SEQNR-S36,ERRNR-041,CNT-48,	X	
					2653 *		TXT-'INVALID <DElimeter> after valid array definition'		
				2C34	2654+ERMS36	EQU	*	ADDRESS OF MESSAGE	
2C34	F0F4F1			2C36	2655+	DC	CL(ERMLDN)'041'	ERROR NUMBER	
2C37	31			2C37	2656+	DC	AL(ERMLCT)(48+ERMLCT)	COUNT OF MESSAGE	
2C38	C9D5E5C1D3C9C440			2C67	2657+	DC	CL48'INVALID <DElimeter> after valid array definition'		
2C40	4CC4C5D3899485A3				2657+				
2C48	85996E408186A385				2657+				
2C50	9940A58193898440				2657+				
2C58	81999981A8408485				2657+				
2C60	86899589A3899695				2657+				
					2658+	***	END OF EXPANSION ***		
					2660 *	\$MSG	SEQNR-S37,ERRNR-042,CNT-48,	X	
					2661 *		TXT-'INVALID MATrix expression on right of equal sign'		
				2C68	2662+ERMS37	EQU	*	ADDRESS OF MESSAGE	
2C68	F0F4F2			2C6A	2663+	DC	CL(ERMLDN)'042'	ERROR NUMBER	
2C6B	31			2C6B	2664+	DC	AL(ERMLCT)(48+ERMLCT)	COUNT OF MESSAGE	
2C6C	C9D5E5C1D3C9C440			2C9B	2665+	DC	CL48'INVALID MATrix expression on right of equal sign'		
2C74	D4C1E39989A74085				2665+				
2C7C	A7979985A2A28996				2665+				
2C84	9540969540998987				2665+				
2C8C	88A3409686408598				2665+				
2C94	A4819340A2898795				2665+				
					2666+	***	END OF EXPANSION ***		
					2668 *	\$MSG	SEQNR-S38,ERRNR-043,CNT-21,	X	
					2669 *		TXT-'INVALID <MATrix name>'		
				2C9C	2670+ERMS38	EQU	*	ADDRESS OF MESSAGE	

##ERMS - ERROR MESSAGES

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 16/05/20	PAGE 70
2C9C	F0F4F3	2C9E	2671+	DC	CL(ERMLDN)'043'		ERROR NUMBER		
2C9F	16	2C9F	2672+	DC	AL(ERMLCT)(21+ERMLCT)		COUNT OF MESSAGE		
2CA0	C9D5E5C1D3C9C440	2CB4	2673+	DC	CL21'INVALID <MATrix name>'				
2CA8	4CD4C1E39989A740		2673+						
2CB0	958194856E		2673+						
			2674+	***	END OF EXPANSION	***			
			2676	*	\$MSG	SEQNR-S39,ERRNR-044,CNT-33,		X	
			2677	*		TXT-'MISSING MULTiplication <operator>'			
		2CB5	2678+ERMS39	EQU	*		ADDRESS OF MESSAGE		
2CB5	F0F4F4	2CB7	2679+	DC	CL(ERMLDN)'044'		ERROR NUMBER		
2CB8	22	2CB8	2680+	DC	AL(ERMLCT)(33+ERMLCT)		COUNT OF MESSAGE		
2CB9	D4C9E2E2C9D5C740	2CD9	2681+	DC	CL33'MISSING MULTiplication <operator>'				
2CC1	D4E4D3A389979389		2681+						
2CC9	8381A3899695404C		2681+						
2CD1	9697859981A39699		2681+						
2CD9	6E		2681+						
			2682+	***	END OF EXPANSION	***			
			2684	*	\$MSG	SEQNR-S40,ERRNR-045,CNT-32,		X	
			2685	*		TXT-'STATEMENT terminated prematurely'			
		2CDA	2686+ERMS40	EQU	*		ADDRESS OF MESSAGE		
2CDA	F0F4F5	2CDC	2687+	DC	CL(ERMLDN)'045'		ERROR NUMBER		
2CDD	21	2CDD	2688+	DC	AL(ERMLCT)(32+ERMLCT)		COUNT OF MESSAGE		
2CDE	E2E3C1E3C5D4C5D5	2CFD	2689+	DC	CL32'STATEMENT terminated prematurely'				
2CE6	E340A38599948995		2689+						
2CEE	81A3858440979985		2689+						
2CF6	9481A3A4998593A8		2689+						
			2690+	***	END OF EXPANSION	***			
			2692	*	\$MSG	SEQNR-S41,ERRNR-046,CNT-50,		X	
			2693	*		TXT-'<ARITHMETIC CONSTANT> NOT IN RANGE 1E-99< X <E99'			
		2CFE	2694+ERMS41	EQU	*		ADDRESS OF MESSAGE		
2CFE	F0F4F6	2D00	2695+	DC	CL(ERMLDN)'046'		ERROR NUMBER		
2D01	33	2D01	2696+	DC	AL(ERMLCT)(50+ERMLCT)		COUNT OF MESSAGE		
2D02	4CC1D9C9E3C8D4C5	2D33	2697+	DC	CL50'<ARITHMETIC CONSTANT> NOT IN RANGE 1E-99< X <E99'				
2D0A	E3C9C340C3D6D5E2		2697+						
2D12	E3C1D5E36E40D5D6		2697+						
2D1A	E340C9D540D9C1D5		2697+						
2D22	C7C540F1C560F9F9		2697+						
2D2A	4C40E7404CC5F9F9		2697+						
2D32	4040		2697+						
			2698+	***	END OF EXPANSION	***			
			2700	*	\$MSG	SEQNR-S42,ERRNR-060,CNT-22,		X	
			2701	*		TXT-'EXPRESSION TOO COMPLEX'			
		2D34	2702+ERMS42	EQU	*		ADDRESS OF MESSAGE		
2D34	F0F6F0	2D36	2703+	DC	CL(ERMLDN)'060'		ERROR NUMBER		
2D37	17	2D37	2704+	DC	AL(ERMLCT)(22+ERMLCT)		COUNT OF MESSAGE		
2D38	C5E7D7D9C5E2E2C9	2D4D	2705+	DC	CL22'EXPRESSION TOO COMPLEX'				
2D40	D6D540E3D6D640C3		2705+						
2D48	D6D4D7D3C5E7		2705+						
			2706+	***	END OF EXPANSION	***			
			2708	*	\$MSG	SEQNR-S43,ERRNR-080,CNT-23,		X	
			2709	*		TXT-'DATA FILE LINE TOO LONG'			

##ERMS - ERROR MESSAGES

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT VER 15, MOD 00 16/05/20 PAGE 71

		2D4E	2710+ERMS43	EQU	*	ADDRESS OF MESSAGE
2D4E	F0F8F0	2D50	2711+	DC	CL(ERMLDN)'080'	ERROR NUMBER
2D51	18	2D51	2712+	DC	AL(ERMLCT)(23+ERMLCT)	COUNT OF MESSAGE
2D52	C4C1E3C140C6C9D3	2D68	2713+	DC	CL23'DATA FILE LINE TOO LONG'	
2D5A	C540D3C9D5C540E3		2713+			
2D62	D6D640D3D6D5C7		2713+			
			2714+***	END OF EXPANSION	***	
			2716	*		
			2717	PRINT ON		
		FFFF	2718	END		

TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0

CROSS REFERENCE

SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 16/05/20 PAGE 72

\$\$\$\$\$1	008	01FF	0276												
\$\$\$\$\$2	168	02FF	0336												
\$\$\$\$\$L1	001	01F8	0271	0274	0276										
\$\$\$\$\$L2	001	0258	0331	0334	0336										
\$\$\$\$\$T1	001	0200	0273	0276											
\$\$\$\$\$T2	001	0300	0333	0336											
##ERMS	001	0000	0002												
@DADDR	001	0002	0004	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
				0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031
				0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043
				0044	0045	0046	0047	0048	0049	0050	0051	0052	0053	0054	0055
				0056	0057	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067
				0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079
				0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090	0091
				0092	0093	0094	0095	0096	0097	0098	0099	0100	0101	0102	0103
				0104	0105	0106	0107	0109	0110	0111	0112	0113	0114	0115	0116
				0117	0118	0119	0120	0121	0122	0123	0124	0125	0126	0127	0128
				0129	0130	0131	0132	0133	0134	0135	0136	0137	0138	0139	0140
				0141	0142	0143	0144	0145	0146	0147	0148	0149	0150	0151	0152
				0153	0154	0155	0156	0157	0158	0159	0160	0161	0162	0163	0164
				0165	0166	0167	0168	0169	0170	0171	0172	0173	0174	0175	0176
				0177	0178	0179	0180	0181	0182	0183	0184	0185	0186	0187	0188
				0189	0190	0191	0192	0193	0194	0195	0196	0197	0198	0199	0200
				0201	0202	0203	0204	0205	0206	0207	0208	0210	0211	0212	0213
				0214	0215	0216	0217	0218	0219	0220	0221	0222	0223	0224	0225
				0226	0227	0228	0229	0230	0231	0232	0233	0234	0235	0236	0237
				0238	0239	0240	0241	0242	0243	0244	0245	0246	0247	0248	0249
				0250	0251	0252	0253	0254	0255	0256	0257	0258	0259	0260	0261
				0279	0280	0281	0282	0283	0284	0285	0286	0287	0288	0289	0290
				0291	0292	0293	0294	0295	0296	0297	0298	0299	0300	0301	0302
				0303	0304	0305	0306	0307	0308	0309	0310	0311	0312	0313	0314
				0315	0316	0317	0318	0319	0320	0321	0322				
ERMLCT	001	0001	0005	0348	0348	0356	0356	0364	0364	0372	0372	0380	0380	0388	0388
				0396	0396	0404	0404	0412	0412	0420	0420	0428	0428	0436	0436
				0444	0444	0452	0452	0460	0460	0468	0468	0476	0476	0484	0484
				0492	0492	0500	0500	0508	0508	0516	0516	0524	0524	0532	0532
				0540	0540	0548	0548	0556	0556	0564	0564	0572	0572	0580	0580
				0588	0588	0596	0596	0604	0604	0612	0612	0620	0620	0628	0628
				0636	0636	0644	0644	0652	0652	0660	0660	0668	0668	0676	0676
				0684	0684	0692	0692	0700	0700	0708	0708	0716	0716	0724	0724
				0732	0732	0740	0740	0748	0748	0756	0756	0764	0764	0772	0772
				0780	0780	0788	0788	0796	0796	0804	0804	0812	0812	0820	0820
				0828	0828	0836	0836	0844	0844	0852	0852	0860	0860	0868	0868
				0876	0876	0884	0884	0892	0892	0900	0900	0908	0908	0916	0916
				0924	0924	0932	0932	0940	0940	0948	0948	0956	0956	0964	0964
				0972	0972	0980	0980	0988	0988	0996	0996	1004	1004	1012	1012
				1020	1020	1028	1028	1036	1036	1044	1044	1052	1052	1060	1060
				1068	1068	1076	1076	1084	1084	1092	1092	1100	1100	1108	1108
				1116	1116	1124	1124	1132	1132	1140	1140	1148	1148	1156	1156
				1164	1164	1172	1172	1180	1180	1188	1188	1196	1196	1204	1204
				1212	1212	1220	1220	1228	1228	1236	1236	1244	1244	1252	1252
				1260	1260	1268	1268	1276	1276	1284	1284	1292	1292	1300	1300
				1308	1308	1316	1316	1324	1324	1332	1332	1340	1340	1348	1348
				1356	1356	1364	1364	1372	1372	1380	1380	1388	1388	1396	1396
				1404	1404	1412	1412	1420	1420	1428	1428	1436	1436	1444	1444
				1452	1452	1460	1460	1468	1468	1476	1476	1484	1484	1492	1492

CROSS REFERENCE															
SYMBOL	LEN	VALUE	DEFN	REFERENCES						VER 15, MOD 00 16/05/20 PAGE 73					
				1500	1500	1508	1508	1516	1516	1524	1524	1532	1532	1540	1540
				1548	1548	1556	1556	1564	1564	1572	1572	1580	1580	1588	1588
				1596	1596	1604	1604	1612	1612	1620	1620	1628	1628	1636	1636
				1644	1644	1652	1652	1660	1660	1668	1668	1676	1676	1684	1684
				1692	1692	1700	1700	1708	1708	1716	1716	1724	1724	1732	1732
				1740	1740	1748	1748	1756	1756	1764	1764	1772	1772	1780	1780
				1788	1788	1796	1796	1804	1804	1812	1812	1820	1820	1828	1828
				1836	1836	1844	1844	1852	1852	1860	1860	1868	1868	1876	1876
				1884	1884	1892	1892	1900	1900	1908	1908	1916	1916	1924	1924
				1932	1932	1940	1940	1948	1948	1956	1956	1964	1964	1972	1972
				1980	1980	1988	1988	1996	1996	2004	2004	2012	2012	2020	2020
				2028	2028	2036	2036	2044	2044	2052	2052	2060	2060	2068	2068
				2076	2076	2084	2084	2092	2092	2100	2100	2108	2108	2116	2116
				2124	2124	2132	2132	2140	2140	2148	2148	2156	2156	2164	2164
				2172	2172	2180	2180	2188	2188	2196	2196	2204	2204	2212	2212
				2220	2220	2228	2228	2236	2236	2244	2244	2252	2252	2260	2260
				2268	2268	2276	2276	2284	2284	2292	2292	2300	2300	2308	2308
				2316	2316	2324	2324	2332	2332	2340	2340	2348	2348	2356	2356
				2368	2368	2376	2376	2384	2384	2392	2392	2400	2400	2408	2408
				2416	2416	2424	2424	2432	2432	2440	2440	2448	2448	2456	2456
				2464	2464	2472	2472	2480	2480	2488	2488	2496	2496	2504	2504
				2512	2512	2520	2520	2528	2528	2536	2536	2544	2544	2552	2552
				2560	2560	2568	2568	2576	2576	2584	2584	2592	2592	2600	2600
				2608	2608	2616	2616	2624	2624	2632	2632	2640	2640	2648	2648
				2656	2656	2664	2664	2672	2672	2680	2680	2688	2688	2696	2696
ERMLDN	001	0003	0006	2704	2704	2712	2712								
				0347	0355	0363	0371	0379	0387	0395	0403	0411	0419	0427	0435
				0443	0451	0459	0467	0475	0483	0491	0499	0507	0515	0523	0531
				0539	0547	0555	0563	0571	0579	0587	0595	0603	0611	0619	0627
				0635	0643	0651	0659	0667	0675	0683	0691	0699	0707	0715	0723
				0731	0739	0747	0755	0763	0771	0779	0787	0795	0803	0811	0819
				0827	0835	0843	0851	0859	0867	0875	0883	0891	0899	0907	0915
				0923	0931	0939	0947	0955	0963	0971	0979	0987	0995	1003	1011
				1019	1027	1035	1043	1051	1059	1067	1075	10			

CROSS REFERENCE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ERMS05	001	27CC	2406	0284
ERMS06	001	27F6	2414	0285
ERMS07	001	2829	2422	0286
ERMS08	001	284F	2430	0287
ERMS09	001	286E	2438	0288
ERMS10	001	2891	2446	
ERMS11	001	28A8	2454	0290
ERMS12	001	28CB	2462	0291
ERMS13	001	28E9	2470	0292
ERMS14	001	290F	2478	0293
ERMS15	001	2923	2486	0294
ERMS16	001	2943	2494	0295
ERMS17	001	2971	2502	0296
ERMS18	001	29A7	2510	0297
ERMS19	001	29BB	2518	0298
ERMS20	001	29D5	2526	0299
ERMS21	001	29F2	2534	0300
ERMS22	001	2A16	2542	0301
ERMS23	001	2A33	2550	0302
ERMS24	001	2A60	2558	0303
ERMS25	001	2A88	2566	0304
ERMS26	001	2AB0	2574	0305
ERMS27	001	2AD1	2582	0306
ERMS28	001	2AFE	2590	0307
ERMS29	001	2B23	2598	0308
ERMS30	001	2B54	2606	0309
ERMS31	001	2B7F	2614	0310
ERMS32	001	2BB4	2622	0311
ERMS33	001	2BE7	2630	0312
ERMS34	001	2C07	2638	0313
ERMS35	001	2C1F	2646	0314
ERMS36	001	2C34	2654	0315
ERMS37	001	2C68	2662	0316
ERMS38	001	2C9C	2670	0317
ERMS39	001	2CB5	2678	0318
ERMS40	001	2CDA	2686	0319
ERMS41	001	2CFE	2694	0320
ERMS42	001	2D34	2702	0321
ERMS43	001	2D4E	2710	0322
ERM000	001	0300	0346	0008
ERM001	001	0322	0354	0009
ERM002	001	0350	0362	0010
ERM003	001	0381	0370	0011
ERM004	001	03AA	0378	0012
ERM005	001	03C7	0386	0013
ERM006	001	03FA	0394	0014
ERM007	001	0429	0402	0015
ERM008	001	044C	0410	0016
ERM009	001	0469	0418	0017
ERM010	001	049E	0426	0018
ERM011	001	04BE	0434	0019
ERM012	001	04F3	0442	0020
ERM013	001	0525	0450	0021
ERM014	001	0546	0458	0022
ERM015	001	057C	0466	0023
ERM016	001	05A5	0474	0024

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ERM017	001	05C3	0482	0025
ERM018	001	05D8	0490	0026
ERM019	001	05F1	0498	0027
ERM020	001	060B	0506	0028
ERM021	001	0636	0514	0029
ERM022	001	0665	0522	0030
ERM023	001	0688	0530	0031
ERM024	001	06B5	0538	0032
ERM025	001	06CC	0546	0033
ERM026	001	06EF	0554	0034
ERM027	001	071D	0562	0035
ERM028	001	0737	0570	0036
ERM029	001	075C	0578	0037
ERM030	001	077D	0586	0038
ERM031	001	0798	0594	0039
ERM032	001	07C4	0602	0040
ERM033	001	07E6	0610	0041
ERM034	001	080F	0618	0042
ERM035	001	0826	0626	0043
ERM036	001	084A	0634	0044
ERM037	001	0866	0642	0045
ERM038	001	0889	0650	0046
ERM039	001	089F	0658	0047
ERM040	001	08BB	0666	0048
ERM041	001	08E3	0674	0049
ERM042	001	0903	0682	0050
ERM043	001	091D	0690	0051
ERM044	001	0941	0698	0052
ERM045	001	095B	0706	0053
ERM046	001	097D	0714	0054
ERM047	001	099B	0722	0055
ERM048	001	09B3	0730	0056
ERM049	001	09D8	0738	0057
ERM050	001	09FF	0746	0058
ERM051	001	0A35	0754	0059
ERM052	001	0A54	0762	0060
ERM053	001	0A77	0770	0061
ERM054	001	0AA1	0778	0062
ERM055	001	0ACB	0786	0063
ERM056	001	0AEA	0794	0064
ERM057	001	0B09	0802	0065
ERM058	001	0B22	0810	0066
ERM059	001	0B58	0818	0067
ERM060	001	0B8A	0826	0068
ERM061	001	0BA5	0834	0069
ERM062	001	0BDB	0842	0070
ERM063	001	0C03	0850	0071
ERM064	001	0C1B	0858	0072
ERM065	001	0C42	0866	0073
ERM066	001	0C5F	0874	0074
ERM067	001	0C84	0882	0075
ERM068	001	0CB0	0890	0076
ERM069	001	0CD3	0898	0077
ERM070	001	0CF5	0906	0078
ERM071	001	0D2B	0914	0079
ERM072	001	0D5E	0922	0080

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ERM073	001	0D81	0930	0081
ERM074	001	0DAB	0938	0082
ERM075	001	0DBF	0946	0083
ERM076	001	0DF5	0954	0084
ERM077	001	0E12	0962	0085
ERM078	001	0E36	0970	0086
ERM079	001	0E53	0978	0087
ERM080	001	0E72	0986	0088
ERM081	001	0EAA	0994	0089
ERM082	001	0ED1	1002	0090
ERM083	001	0F00	1010	0091
ERM084	001	0F2A	1018	0092
ERM085	001	0F56	1026	0093
ERM086	001	0F82	1034	0094
ERM087	001	0FB3	1042	0095
ERM088	001	0FDA	1050	0096
ERM089	001	100D	1058	0097
ERM090	001	1037	1066	0098
ERM091	001	1058	1074	0099
ERM092	001	107B	1082	0100
ERM093	001	10AE	1090	0101
ERM094	001	10D5	1098	0102
ERM095	001	10EC	1106	0103
ERM096	001	110D	1114	0104
ERM097	001	112E	1122	0105
ERM098	001	114C	1130	0106
ERM099	001	1181	1138	0107
ERM100	001	11A3	1146	0109
ERM101	001	11C4	1154	0110
ERM102	001	11DC	1162	0111
ERM103	001	1201	1170	0112
ERM104	001	1219	1178	0113
ERM105	001	1231	1186	0114
ERM106	001	124D	1194	0115
ERM107	001	1283	1202	0116
ERM108	001	12A9	1210	0117
ERM109	001	12C1	1218	0118
ERM110	001	12EC	1226	0119
ERM111	001	1310	1234	0120
ERM112	001	133F	1242	0121
ERM113	001	135F	1250	0122
ERM114	001	137B	1258	0123
ERM115	001	13A9	1266	0124
ERM116	001	13C2	1274	0125
ERM117	001	13DC	1282	0126
ERM118	001	13FA	1290	0127
ERM119	001	1419	1298	0128
ERM120	001	1431	1306	0129
ERM121	001	145C	1314	0130
ERM122	001	1469	1322	0131
ERM123	001	149F	1330	0132
ERM124	001	14D0	1338	0133
ERM125	001	14E6	1346	0134
ERM126	001	151A	1354	0135
ERM127	001	1548	1362	0136
ERM128	001	1573	1370	0137

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ERM129	001	1594	1378	0138
ERM130	001	15AE	1386	0139
ERM131	001	15CD	1394	0140
ERM132	001	15E3	1402	0141
ERM133	001	15FC	1410	0142
ERM134	001	161E	1418	0143
ERM135	001	1641	1426	0144
ERM136	001	1669	1434	0145
ERM137	001	167F	1442	0146
ERM138	001	16B5	1450	0147
ERM139	001	16E9	1458	0148
ERM140	001	170C	1466	0149
ERM141	001	172F	1474	0150
ERM142	001	1751	1482	0151
ERM143	001	1778	1490	0152
ERM144	001	17A3	1498	0153
ERM145	001	17D9	1506	0154
ERM146	001	17F1	1514	0155
ERM147	001	1809	1522	0156
ERM148	001	1821	1530	0157
ERM149	001	1839	1538	0158
ERM150	001	1861	1546	0159
ERM151	001	1897	1554	0160
ERM152	001	18BC	1562	0161
ERM153	001	18E2	1570	0162
ERM154	001	1916	1578	0163
ERM155	001	194A	1586	0164
ERM156	001	197C	1594	0165
ERM157	001	19A9	1602	0166
ERM158	001	19DF	1610	0167
ERM159	001	1A10	1618	0168
ERM160	001	1A3C	1626	0169
ERM161	001	1A62	1634	0170
ERM162	001	1A82	1642	0171
ERM163	001	1AA2	1650	0172
ERM164	001	1AD1	1658	0173
ERM165	001	1B07	1666	0174
ERM166	001	1B3B	1674	0175
ERM167	001	1B60	1682	0176
ERM168	001	1B8C	1690	0177
ERM169	001	1BAB	1698	0178
ERM170	001	1BCA	1706	0179
ERM171	001	1BF3	1714	0180
ERM172	001	1C17	1722	0181
ERM173	001	1C38	1730	0182
ERM174	001	1C5F	1738	0183
ERM175	001	1C7D	1746	0184
ERM176	001	1C9B	1754	0185
ERM177	001	1CB6	1762	0186
ERM178	001	1CD9	1770	0187
ERM179	001	1D07	1778	0188
ERM180	001	1D29	1786	0189
ERM181	001	1D50	1794	0190
ERM182	001	1D79	1802	0191
ERM183	001	1D98	1810	0192
ERM184	001	1DBE	1818	0193

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
ERM185	001	1DE0	1826	0194
ERM186	001	1DFF	1834	0195
ERM187	001	1E17	1842	0196
ERM188	001	1E3E	1850	0197
ERM189	001	1E60	1858	0198
ERM190	001	1E84	1866	0199
ERM191	001	1EA5	1874	0200
ERM192	001	1EC3	1882	0201
ERM193	001	1EE3	1890	0202
ERM194	001	1F0A	1898	0203
ERM195	001	1F2F	1906	0204
ERM196	001	1F5B	1914	0205
ERM197	001	1F7A	1922	0206
ERM198	001	1F9A	1930	0207
ERM199	001	1FBA	1938	0208
ERM200	001	1FDF	1946	0210
ERM201	001	2005	1954	0211
ERM202	001	202A	1962	0212
ERM203	001	2051	1970	0213
ERM204	001	207F	1978	0214
ERM205	001	20A8	1986	0215
ERM206	001	20CA	1994	0216
ERM207	001	20F6	2002	0217
ERM208	001	2120	2010	0218
ERM209	001	214C	2018	0219
ERM210	001	2173	2026	0220
ERM211	001	21A1	2034	0221
ERM212	001	21CF	2042	0222
ERM213	001	21E9	2050	0223
ERM214	001	2207	2058	0224
ERM215	001	222E	2066	0225
ERM216	001	2243	2074	0226
ERM217	001	226E	2082	0227
ERM218	001	228D	2090	0228
ERM219	001	22AC	2098	0229
ERM220	001	22CB	2106	0230
ERM221	001	22EA	2114	0231
ERM222	001	2309	2122	0232
ERM223	001	2328	2130	0233
ERM224	001	2340	2138	0234
ERM225	001	2360	2146	0235
ERM226	001	2382	2154	0236
ERM227	001	23A9	2162	0237
ERM228	001	23D0	2170	0238
ERM229	001	23F7	2178	0239
ERM230	001	241F	2186	0240
ERM231	001	2447	2194	0241
ERM232	001	246F	2202	0242
ERM233	001	249B	2210	0243
ERM234	001	24C7	2218	0244
ERM235	001	24E7	2226	0245
ERM236	001	2507	2234	0246
ERM237	001	251B	2242	0247
ERM238	001	2542	2250	0248
ERM239	001	2567	2258	0249
ERM240	001	2586	2266	0250

CROSS REFERENCE

SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 16/05/20 PAGE 79

ERM241	001	25A5	2274	0251
ERM242	001	25C4	2282	0252
ERM243	001	25E3	2290	0253
ERM244	001	2602	2298	0254
ERM245	001	2621	2306	0255
ERM246	001	2647	2314	0256
ERM247	001	2665	2322	0257
ERM248	001	267E	2330	0258
ERM249	001	269C	2338	0259
ERM250	001	26C3	2346	0260
ERM251	001	26F0	2354	0261

TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0

OL105 I THE CODE LENGTH OF ##ERMS IS 11625 DECIMAL.
OL103 I TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 50
 NAME-##ERMS,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-R,CATEGORY-000

START ADDRESS	CATEGORY	NAME AND ENTRY	CODE HEXADECIMAL	LENGTH DECIMAL
---------------	----------	----------------	---------------------	-------------------

```
0C00          0      ##ERMS          2D69    11625
```

```
OL100 I  THE TOTAL CORE USED BY ##ERMS IS 11625 DECIMAL.
```

OL101 I THE START CONTROL ADDRESS OF THIS MODULE IS 0C00.

OL104 I TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 46

NAME-##ERMS,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-O

0	87	61	3082	B	GUF882(,@BR)	CONTINUE	SEARCH
---	----	----	------	---	---------------	----------	--------

3083 *

```
3084 ***      SEG LINE NR EQUALS NEW LINE NR - NEW LINE IS EITHER A REPLACEMENT
```

3085 *** OR A DELETION.

3086 *

DL4ICS - 4 SURFACE DISK IOCS ROUTINE

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 29/02/16 PAGE 69
	1B14	B8	01	03	3087	GUF888	TBN GUF630(,@XR),GUF555	MORE SEGMENT IN OLD LINE ?
	1B17	D0	90	9B	3088		BF GUF891(,@BR)	NO, BYPASS NEXT INSTRUCTION
	1B1A	3A	02	1A23	3089		SBN GUF429,GUF564	YES, SET DROP INDR
	1B1E	2E	00	1A3B 02	3090	GUF891	ALC GUF486,GUF627(1,@XR)	INCR UNUSED SPACE COUNTER
	1B23	2C	01	1A37 02	3091		MVC GUF471(GUF570),GUF627(,@XR)	SET LENGTH OF SEG IN FREE SPACE
	1B28	38	20	03D5	3092		TBN \$INDR2,\$FUIND	IS STATEMENT A REPLACEMENT ?
	1B2C	C0	10	0D41	3093		BT GUF834	YES, GO INSERT IT
					3094	*		
					3095	***	NEW LINE IS A DELETION	
					3096	*		
	1B30	0F	01	1D02 1A55	3097		SLC GUF939(2),GUF510	DECR FILE LINE COUNTER
	1B36	3D	60	1C06	3098		CLI GUF933+1,GUF573	DELETING A RANGE ?
	1B3A	F2	01	2D	3099		JNE GUF903	NO, JUMP TO 'PAK' BRANCH
	1B3D	3C	04	1A23	3100	GUF894	MVI GUF429,GUF576	SET ON DELETE RANGE INDR
	1B41	F2	87	26	3101		J GUF903	JUMP TO 'PAK' BRANCH
					3102	*		
					3103	***	NEW LINE NUMBER NOT ON FILE	
					3104	*		
	1B44	38	20	03D5	3105	GUF897	TBN \$INDR2,\$FUIND	WAS A STATEMENT PASSED ?
	1B48	C0	10	0D0C	3106		BT GUF822	YES, GO TO NEW LINE ROUTINE
	1B4C	3D	60	1C06	3107		CLI GUF933+1,GUF573	IS A RANGE BEING DELETED ?
	1B50	F2	01	1B	3108		JNE GUF906	NO, GO CHECK FOR DELETE LIST
	1B53	8D	01	06 1C08	3109		CLC GUF639(GUF507,@XR),GUF930	IS LINE NR WITHIN THE RANGE ?
	1B58	D0	04	9B	3110		BNH GUF891(,@BR)	YES, GO ADJUST COUNTERS
	1B5B	F2	87	10	3111		J GUF906	NO, GO CHECK FOR DELETE LIST
					3112	*		
					3113	***	THE FIT DOES NOT AGREE WITH DATA BLOCKS IN THE FILE WORK AREA.	
					3114	***	FURTHER MANIPULATION WITH THIS FILE IS IMPOSSIBLE.	
					3115	*		
	1B5E	3C	97	03CD	3116	GUF900	MVI \$CAERR,@E550	SET BAD WORK FILE ERROR CODE
	1B62	3A	04	03D6	3117		SBN \$INDR3,\$ERHRD	SET INDR FOR HARD HALT
	1B66	C0	87	0469	3118		B \$CAERK	GO TO ERRPGM INTERFACE
					3119	*		
					3120	***	FILE HAS BEEN UPDATED. PASS CONTROL TO 'PAK' TO CONDENSE CORE	
					3121	***	BLOCKS AND WRITE THEM TO DISK. 'PAK' WILL ALSO CORRECT THE FIT.	
					3122	***	RETURN FROM 'PAK' IS TO THE INSTRUCTION FOLLOWING THE CALL.	
					3123	*		
	1B6A	C0	87	1522	3124	GUF903	B GUF201	GO TO 'PAK' ROUTINE
					3126	*		
					3127	***	ROUTINE TO HANDLE THE DELETE PARAMETER LIST	
					3128	*		
				0001	3129		DROP 1	DROP BASE ADDRESSING
	1B6E	C0	80	0469	3130	GUF906	BC \$CAERK,@NOP	GO TO ERRPGM IF SET TO UCB
	1B72	38	40	03D5	3131		TBN \$INDR2,\$FDIND	LINE NR LIST TO DELETE ?
	1B76	F2	10	19	3132		JT GUF918	YES, GO TO CHECK FOR MORE NUM'S
	1B79	F2	87	12	3133	GUF909	JC GUF915,@UCB	BYPASS CARD READ IF KEY MODE
	1B7C	C0	87	0465	3134	GUF912	B \$SPRNT	PRINT ON SYSTEM PRINTER
	1B80	057F			3135		DC AL2(\$WAITF)	PPL ADDRESS
	1B82	C0	87	048D	3136		B \$UNMSK	HONOR INQUIRY REQUESTS
	1B86	3C	80	0476	3137		MVI \$CIMSK,@NOP	MASK INQUIRY REQUESTS
	1B8A	C0	87	0890	3138		B \$\$PRES	GO READ A CARD
	1B8E	C0	87	1107	3139	GUF915	B GUGENT	GO TO CRUSHER
	1B92	35	02	1A7A	3140	GUF918	L GUF681,@XR	LOAD ADDR OF LAST PARM TO XR
	1B96	BD	60	01	3141		CLI GUF582(,@XR),GUF573	WAS IT A RANGE DELETE ?
	1B99	F2	01	03	3142		JNE GUF921	NO, GO CHECK FOR END OF LIST

DL4ICS - 4 SURFACE DISK IOCS ROUTINE

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00 29/02/16 PAGE 70
1B9C	E2	02	03		3143	LA	GUF585(,@XR),@XR	INCR POINTER PAST RANGE ENTRY
1B9F	BD	FF	01		3144	GUF921 CLI	@B1(,@XR),@SCTS-1	IS NEXT PARM THE END INDR ?
1BA2	C0	81	04A1		3145	BE	\$CARPL	YES, GO TYPE READY & ENABLE INPUT
1BA6	C0	87	048D		3146	B	\$UNMSK	HONOR PENDING INQUIRY REQUESTS
1BAA	3C	80	0476		3147	MVI	\$CIMSK,@NOP	RE-MASK FOR NEXT DELETE PASS
1BAE	E2	02	02		3148	LA	GUF618(,@XR),@XR	INCR POINTER TO NEXT LINE NUMBER
1BB1	34	02	1A7A		3149	ST	GUF681,@XR	SAVE ADDRESS OF PARAMETER
1BB5	2C	04	1C08 03		3150	MVC	GUF927+GUF585,GUF585(GUF588,@XR)	MOVE PARM TO ACTIVE LOCATION
1BBA	0F	0E	1A37 1A37		3151	SLC	GUF471(GUF537),GUF471	CLEAR WORK AREAS
1BC0	3C	00	1A52		3152	MVI	GUF501,@ZERO	*
1BC4	C0	87	1A7B		3153	B	GUF867	GO TO UPDATER ENTRY
				1C01	3155	GUF924 EQU	\$\$SLIB+@SDF1	LENGTH OF NEW LINE, INCLUDES SDF
				1C05	3156	GUF927 EQU	GUF924+4	BINARY LINE NUMBER OF NEW LINE
				1C08	3157	GUF930 EQU	GUF927+3	RANGE DELETE UPPER LIMIT
				1C05	3158	GUF933 EQU	GUF927	ADDRESS OF 2ND BYTE OF DELETE LIST
				1D00	3159	GUF936 EQU	X'1D00'	1ST BYTE OF FIT
				1D02	3160	GUF939 EQU	GUF936+2	NUMBER OF LINES IN FILE
				1D0B	3161	GUF942 EQU	GUF939+9	XR FOR LAST LINE NUMBER FOUND
				1D0B	3162	GUF945 EQU	GUF936+11	ADDR OF 1ST NULL ENTRY IN FIT

DL4ICS - 4 SURFACE DISK IOCS ROUTINE

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	VER 15, MOD 00	29/02/16	PAGE 71
					3164	*	PATCH ,5			
					3165	*****				
					3166	*	PATCH AREA 5			
					3167	*****				
					3168	*				
					3169	***	CALCULATE AREA LEFT IN THIS SECTOR			
					3170	*				
1C00				1BC8	3171	\$\$\$\$L5	EQU *			START OF PATCH AREA 5
					3172		ORG *,256,0			SET LOC CNTR TO NEXT SECTOR
				1C00	3173	\$\$\$\$T5	EQU *			DEFINE ADDR OF SCTR BOUNDARY
1BC8					3174		ORG \$\$\$\$L5			SET LOC CNTR TO START OF
					3175	*				* PATCH AREA
1BC8				1BFF	3176	\$\$\$\$\$5	DS CL(\$\$\$\$T5-\$\$\$\$L5)			PATCH AREA
					3177	*****				

#GUFUD C2DEC5 -- CONVERT BINARY TO DECIMAL

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	VER 15, MOD 00 29/02/16 PAGE 72
	0F5B		3179	ORG	GUF819	PLACE C2DEC5
			3180	*****		
			3181	*	SERIALLY REUSABLE SUBROUTINE TO CONVERT A 2 BYTE BINARY VALUE TO	*
			3182	*	A 5 BYTE POSITIVE DECIMAL NUMBER.	*
			3183	*	ON ENTRY @XR POINTS TO THE LEFT BYTE OF THE BINARY VALUE.	*
			3184	*	ON RETURN C2DVAL IS THE RIGHT BYTE OF THE 5 BYTES DECIMAL VALUE	*
			3185	*	WITH LEADING ZEROS WHICH MAY BE MODIFIED BY THE USER IN ANT WAY	*
			3186	*	IN IT'S LOCATION.	*
			3187	*	THE 2 BYTES BINARY VALUE IS NOT ALTERED. @XR IS NOT ALTERED.	*
			3188	*	@BR IS SAVED AND RESTORED AT EXIT.	*
			3189	*****		
			0F5B 3191	USING	C2DEC5,@BR	BASE ADDRESS SPECIFICATION
			0F5B 3192	C2DEC5 EQU	*	MODULE ENTRY POINT
	0F5B 34 01 0F8F		3193	ST	C2D050+@OP1,@BR	SAVE @BR
	0F5F C2 01 0F5B		3194	LA	C2DEC5,@BR	LOAD BASE REGISTER
	0F63 74 08 38		3195	ST	C2D052+@OP1(,@BR),@ARR	SAVE RETURN ADDRESS
			3196	*	INITIALIZE DECIMAL INCREMENTER AND DECIMAL SUM TO 1 AND 0 RESP.	
	0F66 54 90 43 39		3197	ZAZ	C2D903(C2D903-C2D901,@BR),C2D901(C2D902-C2D901,@BR)	
	0F6A 7C 01 17		3198	MVI	C2D030+@D1(,@BR),@B1	INITIALIZE DISP TO BYTE 1
	0F6D 7C 01 16		3199	C2D020 MVI	C2D030+@Q(,@BR),@B1	INIT TEST TO BIT 7
			3200	*		
	0F70 B8 00 00		3201	C2D030 TBN	*-(,@XR),*--	TEST IF THIS BIT IS OFF
	0F73 F2 90 04		3202	JF	C2D040	* BR AROUND SUM INCREMENT
			3203	*	INCREMENT DECIMAL SUM BY DECIMAL VALUE OF THIS TESTED BIT	
	0F76 56 04 3E 43		3204	AZ	C2DVAL(C2D903-C2DVAL,@BR),C2D903(C2D903-C2DVAL,@BR)	
			3205	*	DOUBLE DECIMAL VALUE OF INCREMENT TO VALUE OF NEXT BIT	
	0F7A 56 04 43 43		3206	C2D040 AZ	C2D903(C2D903-C2DVAL,@BR),C2D903(C2D903-C2DVAL,@BR)	
	0F7E 5E 00 16 16		3207	ALC	C2D030+@Q(1,@BR),C2D030+@Q(,@BR)	SHIFT BIT MASK LEFT ONE
	0F82 D0 20 15		3208	BNOL	C2D030(,@BR)	CONTINUE LOOP UNLESS ALL BITS
			3209	*		* TESTED
	0F85 5F 00 17 13		3210	SLC	C2D030+@D1(1,@BR),C2D020+@Q(,@BR)	DECR DISP TO BYTE 0
	0F89 D0 81 12		3211	BZ	C2D020(,@BR)	FALL THROUGH IF UNDERFLOW
	0F8C C2 01 0000		3212	C2D050 LA	*-*,@BR	RESTORE @BR
	0F90 C0 87 0000		3213	C2D052 B	*-*	RETURN TO CALLING PROGRAM
			3214	*		
			3215	***	WORK AREA	
			3216	*		
	0F94 F1	0F94	3217	C2D901 DC	DL1'1'	INIT WORK AREA
		0F95	3218	C2D902 EQU	*	FIST BYTE OF DECIMAL VALUE
	0F95	0F99	3219	C2DVAL DS	CL5	5 BYTES DECIMAL VALUE
	0F9A	0F9E	3220	C2D903 DS	CL5	DECIMAL INCREMENTER
		FFFF	3222	END		
TOTAL STATEMENTS IN ERROR IN THIS ASSEMBLY = 0						

CROSS REFERENCE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
\$\$\$\$\$	001	0C00	1692	
\$\$\$\$\$1	027	0CFF	1803	
\$\$\$\$\$2	025	0D8F	1848	
\$\$\$\$\$3	165	0FFF	2024	
\$\$\$\$\$4	012	10FF	2089	
\$\$\$\$\$5	056	1BFF	3176	
\$\$\$\$L1	001	0CE5	1798	1801 1803
\$\$\$\$L3	001	0F5B	2019	2022 2024
\$\$\$\$L4	001	10F4	2084	2087 2089
\$\$\$\$L5	001	1BC8	3171	3174 3176
\$\$\$\$T1	001	0D00	1800	1803
\$\$\$\$T3	001	1000	2021	2024
\$\$\$\$T4	001	1100	2086	2089
\$\$\$\$T5	001	1C00	3173	3176
\$\$\$CMD	001	0020	1466	
\$\$\$DAT	001	0040	1465	
\$\$\$EPL	001	0091	1462	
\$\$\$ERN	001	0080	1516	
\$\$\$FUN	001	0010	1467	
\$\$\$NLN	001	00A0	1512	
\$\$\$STD	001	0081	1461	
\$\$\$001	015	0C73	1726	
\$\$BNLN	001	0605	1442	1444 1931 1933
\$\$CDBS	001	08C0	1492	2255
\$\$CDND	001	0666	1451	2329
\$\$CDRD	001	0890	1490	1492
\$\$CKEY	001	0603	1440	2285
\$\$CKFF	001	0B3D	1472	
\$\$COFF	001	0B44	1471	
\$\$CSNS	001	209C	1501	
\$\$DATB	001	0BBF	1473	
\$\$EOSA	001	0AFE	1470	
\$\$ERSK	001	1C00	1511	
\$\$FITS	001	1D00	1519	2002
\$\$FLIB	001	06FF	1518	
\$\$ILEN	001	0601	1436	1438 1442
\$\$ILHD	001	0600	1434	1436
\$\$INLN	001	0607	1449	1451 1453 2284
\$\$INND	001	06FA	1453	1928 2314* 2315 2315*
\$\$KBDT	001	09E1	1460	1464
\$\$KBSN	001	09E2	1464	1469
\$\$KLD1	001	0600	1524	
\$\$KLD2	001	0700	1526	1955* 1956 1956*
\$\$KLD3	001	0C00	1528	
\$\$LPOS	001	09EB	1469	
\$\$PCNT	001	07E9	1485	
\$\$PLYN	001	2004	1499	
\$\$PRES	001	0890	1458	1460 1470 1471 1472 1473 1490 1965 2316 3138
\$\$PRFL	001	2143	1503	
\$\$PRNT	001	0707	1479	1480 1484 1485
\$\$PRTN	001	0782	1480	
\$\$PSIO	001	07CE	1484	
\$\$PYCD	001	2200	1505	
\$\$PYMP	001	2000	1497	1499 1501 1503 1505
\$\$SLIB	001	1C00	1514	1928* 1930* 1931* 1932* 2007 3155
\$\$TPCD	001	0606	1444	1449

CROSS REFERENCE																			
SYMBOL	LEN	VALUE	DEFN	REFERENCES										VER 15, MOD 00	29/02/16	PAGE	74		
\$\$UPAR	001	0602	1438	1440	1892*	1957*													
\$\$WSPB	001	1E00	1517																
\$\$XIND	001	06FF	1515	1518															
\$\$ZERO	001	0000	1030	1031	1033	1034	1035	1039	1497										
\$ABORT	001	0010	1142																
\$BASIC	001	0080	1200																
\$BIGCD	001	0080	1276																
\$BLDPL	001	0579	1409	1411															
\$BLNOE	001	0569	1399																
\$BLOAD	001	0522	1390	1392	1395	1408	1409	2309											
\$BLRTN	001	0550	1398	1399															
\$BRSAV	001	03C5	1087	1088															
\$BSADR	001	0587	1414	1416															
\$BUFPT	001	03E3	1295	1296															
\$CABLD	001	04B4	1368	1369															
\$CAERK	001	0469	1345	1348	2272	2274	2282	3118	3130										
\$CAERR	001	03CD	1093	1095	1815*	1824*	1943*	2281*	2785*	3116*									
\$CAIPL	001	049D	1364	1366															
\$CALLI	001	0008	1285	1871	2256														
\$CARDI	001	0001	1056	1857	1864	1873	1878	1938	1959	1973	2250	2253	2291						
\$CARPL	001	04A1	1366	1368	3145														
\$CIENT	001	0483	1355	1356															
\$CIEXT	001	0480	1354	1355															
\$CIMSK	001	0476	1351	1354	1853*	2262*	3137*	3147*											
\$CISUS	001	0496	1359	1364															
\$CLBFR	001	0010	1243	1953	1958														
\$CMDKY	001	0008	1155																
\$CMODE	001	0002	1205	1905	2307														
\$CONFIG	001	03DD	1268	1278															
\$CRPOS	001	03E2	1294	1295															
\$CRTAD	001	044D	1333	1334															
\$CRTAV	001	0002	1149																
\$CRTDN	001	0002	1173																
\$CRTIN	001	03D3	1170	1177															
\$CRTNO	001	0004	1152																
\$CRTPU	001	0004	1174																
\$CRTSP	001	0008	1175																
\$CRTUP	001	0001	1172																
\$CRUSH	001	0080	1281	2122															
\$CSDPL	001	050E	1380	1381															
\$C0001	001	0464	1337	1343															
\$DATE	001	043A	1318	1319															
\$DBGUF	001	03E0	1280	1289	1862	1865*	1871	2122	2159	2256									
\$DBLOK	001	0001	1230																
\$DFDET	001	03E8	1301	1302															
\$DISKN	001	0025	1033	1910	1971	1981	2145	2194	2260	2388	2515	2619							
\$DKERR	001	0008	1211																
\$DKSIZ	001	03D7	1255	1263	1304														
\$DK100	001	0001	1257																
\$DK200	001	0002	1258																
\$DK400	001	0004	1259																
\$DK600	001	0008	1260																
\$DK800	001	0010	1261																
\$DOLAR	001																		

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CROSS REFERENCE

SYMBOL	LEN	VALUE	DEFN	REFERENCES	VER 15, MOD 00	29/02/16	PAGE	75
\$DTRDR	001	0040	1164					
\$ENDNU	001	0600	1423	1434 1458 1479 1515 1524 1526 1528				
\$ERDPL	001	046F	1348	1350				
\$ERFIL	001	0040	1103	2280				
\$ERHRD	001	0004	1235	3117				
\$ERKEY	001	0080	1107	1944				
\$ERLOG	001	0345	1038					
\$ERMAD	001	0472	1350	1351				
\$ERPND	001	0004	1208					
\$ERRCT	001	03CF	1109					
\$ERRPG	001	03CE	1097	1944* 2280*				
\$ERSFL	001	0035	1102					
\$ERSTK	001	0030	1100					
\$ER050	001	0363	1039					
\$ER1N2	001	0050	1105					
\$EXADR	001	0517	1383	1385				
\$EXCMD	001	0001	1137					
\$EXFTR	001	043B	1319	1324				
\$FCIND	001	0010	1215	1884 1922 1969 2116				
\$FDIND	001	0040	1222	1884 1920 2116 3131				
\$FEARR	001	0004	1031					
\$FEMAP	001	0588	1416	1417				
\$FILIB	001	03DA	1266	1267				
\$FITIN	001	0010	1191	1907 1913				
\$FUIND	001	0020	1220	1884 1924 1967 2116 3092 3105				
\$GUFIO	001	0583	1413	1414				
\$GUFIR	001	0008	1065	1887 2115 2303				
\$HISTE	001	042E	1316	1317				
\$HIST1	001	0435	1317	1318				
\$HRDER	001	0020	1161					
\$INDR1	001	03D4	1177	1203 1907 1913* 1914 1926 1976 2816* 2818*				
\$INDR2	001	03D5	1203	1228 1854 1856* 1884* 1905 1920 1922 1924 1967 1969 2116* 2307				
				3092 3105 3131				
\$INDR3	001	03D6	1228	1255 1953 1958* 1964 1966* 3117*				
\$INLNO	001	03CF	1095	1097 1109 1116 2788*				
\$INRPT	001	0020	1073	1885 1893				
\$IOIND	001	03D2	1144	1170 1963* 2313*				
\$IOPGS	001	0010	1284					
\$IOYES	001	0002	1059	1864 1866 1870				
\$IPLDV	001	05FF	1420	1423				
\$IRKEY	001	0020	1283	1862 1865				
\$KEYBD	001	03E1	1289	1294				
\$KEYCD	001	03C3	1053	1087 1857 1864* 1866 1870* 1873 1878 1885 1887 1893* 1938 1940				
				1959 1973 2115* 2250 2253 2258 2265 2276 2291 2296 2303*				
\$KEYDT	001	0040	1197	1926 1976				
\$KE090	001	00DE	1034					
\$KE130	001	01D5	1035					
\$KYBSY	001	0010	1070	2258 2265				
\$LDRTN	001	0571	1408					
\$LEVEL	001	03DF	1278	1280				
\$LIST	001	0002	1232					
\$LMRGN	001	03C1	1048	1050				
\$LNPTR	001	0080	1167					
\$LOADB	001	054A	1392					
\$LOADR	001	051A	1385	1388 1868 1875 1880				
\$LPRIO	001	03E9	1302					

CROSS REFERENCE

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
\$LPROS	001	03E5	1297	1299
\$LPRP3	001	03E4	1296	1297
\$MOUNT	001	0020	1246	
\$MPDWN	001	0001	1146	
\$NEXTB	001	03E6	1299	1300
\$NEXTL	001	03E7	1300	1301
\$NOENB	001	0008	1238	1964 1966
\$NOLST	001	0004	1062	1864 2296
\$NUCBS	001	03C0	1045	1046 2278 2279
\$NWRKF	001	0080	1251	
\$NWRKR	001	0040	1248	
\$PASWD	001	042D	1315	1316
\$PAUSD	001	04BA	1369	1371
\$PAUSE	001	0002	1139	
\$PGMDT	001	0020	1194	1914
\$PGMST	001	0010	1158	1963 2313
\$PKERT	001	0419	1313	1315
\$PLST1	001	0454	1334	1335
\$PLST2	001	045B	1335	1336
\$PLST3	001	0462	1336	1337
\$PRDEV	001	044B	1331	1333
\$PRESN	001	0002	1182	
\$PROCI	001	0001	1179	
\$PRPOS	001	03C2	1050	1053
\$PSDBR	001	04FA	1374	
\$PSDXR	001	04F2	1373	1374
\$PSTEP	001	0004	1140	
\$PSTMT	001	0008	1141	
\$PTCH1	001	03F5	1304	1308
\$READY	001	0080	1224	1854 1856
\$REORD	001	0040	1282	2159
\$RLOAD	001	051E	1388	1390 2311
\$RMGRN	001	03C0	1046	1048
\$RSTR	001	04D6	1371	1373 1375 1380
\$RUNIT	001	0001	1118	
\$SFAID	001	050D	1376	
\$SPRNT	001	0465	1343	1345 1859 1882 1889 1894 1897 1947 1950 2298 3134
\$SRTRN	001	04FE	1375	1376
\$STEPT	001	0002	1119	
\$SWPCR	001	0511	1381	1383
\$TABLN	001	03CB	1090	1093 1935* 1936*
\$TFLOW	001	0008	1125	
\$TRACE	001	0004	1120	
\$TRALL	001	0010	1126	
\$TROVR	001	054E	1395	1398
\$TRUNK	001	0080	1078	2276
\$TRVAR	001	0020	1127	
\$UNMSK	001	048D	1356	1359 2252 3136 3146
\$USRDR	001	03DC	1267	1268
\$VMDEF	001	0080	1131	
\$VOLF1	001	03FE	1310	1311
\$VOLF2	001	040E	1312	
\$VOLID	001	03F6	1308	1309 1313
\$VOLR1	001	03F6	1309	1310
\$VOLR2	001	0406	1311	1312
\$WAITF	001	057F	1411	1413 1860 1898 1951 1972 1982 2146 2195 2261 2389 2620 3135

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
\$WFDEF	001	0040	1325	1916
\$WFLOK	001	0008	1188	
\$WFNME	001	0443	1324	1329 1916
\$WSIND	001	0004	1185	2816 2818
\$XIND1	001	03D0	1116	1135
\$XIND2	001	03D1	1135	1144
\$XIND3	001	03D8	1263	1266
\$XPREC	001	0040	1128	
\$XRSAV	001	03C7	1088	1090
\$ZTRAD	001	05A2	1417	
\$12K	001	0004	1272	
\$16CKY	001	0008	1274	
\$16K	001	0002	1271	
\$22IMP	001	0001	1269	
###BL	001	0000	0881	
###CK	001	0000	1009	
###CN	001	0000	0977	
###CO	001	0000	0769	
###CS	001	0000	0829	
###DR	001	0000	0573	
###ER	001	0000	0773	
###FS	001	0000	0869	
###IN	001	0000	1013	
###PW	001	0000	1017	
###RS	001	0000	0849	
###SA	001	0000	0837	
###SS	001	0000	0833	
###VU	001	0600	0793	
###0T	001	0700	0565	
###1T	001	0000	0569	
###BCO	001	0600	0581	
###BOV	001	0800	0853	
###DPR	001	0700	0589	2009
###DRE	001	0889	0605	1992
###DSP	001	2800	0625	
###ECM	001	0C00	0885	2321 2326
###EFK	001	0C00	0905	
###ERR	001	0C00	0877	
###EXM	001	0C00	0765	
###FIL	001	0E00	0845	
###FIS	001	0E00	0841	
###FML	001	0200	0973	
###FMS	001	0200	0813	
###GRA	001	0889	0737	1997
###GUF	001	0C00	0873	1691
###INL	001	0600	0953	
###INS	001	0600	0577	
###KAL	001	0C00	0741	
###KCA	001	0C00	0957	
###KCH	001	0C00	0709	
###KCN	001	0C00	0825	
###KCT	001	0C00	0677	
###KDE	001	0C00	0673	
###KDI	001	0D00	0753	
###KDN	001	0C00	0661	
###KDO	001	0E00	0757	

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 78

###KED	001	0C00	0597	
###KEN	001	0C00	0601	
###KEX	001	0C00	0621	
###KGO	001	0C00	0593	
###KHE	001	0C00	0777	
###KKE	001	0C00	1005	
###KLI	001	0C00	0681	
###KLL	001	0920	0981	
###KLO	001	0C00	0685	
###KME	001	0D00	0665	
###KMO	001	0C00	0609	
###KNA	001	0C00	0721	
###KOV	001	0E00	0641	
###KPA	001	0C00	0617	
###KPO	001	0C00	0705	
###KPR	001	0C00	0729	
###KRE	001	0C00	0649	
###KRL	001	0700	0745	
###KRM	001	0C00	0613	
###KRN	001	1000	0633	
###KRO	001	0D00	0637	
###KRS	001	0C00	0961	
###KRU	001	0C00	0657	
###KRV	001	0800	0749	
###KSA	001	0C00	0693	
###KSE	001	0E00	0733	
###KSO	001	0C20	0785	
###KSS	001	0C00	0717	
###KSV	001	0980	0713	
###KSY	001	0C00	0725	
###KWI	001	0C00	0653	
###KWR	001	0C00	0645	
###LOA	001	0600	0585	
###MIP	001	0C00	0781	
###SDS	001	0C00	0893	
###SFF	001	0E00	0897	
###SFL	001	0F00	0889	
###SFO	001	1500	0861	
###SFS	001	0C00	0857	
###SPA	001	0C00	0697	
###SPO	001	0806	0701	
###SPS	001	0C00	0689	
###STR	001	1600	0865	
###TDC	001	1000	0669	
###TSY	001	1000	0629	
###TVK	001	0FC0	0805	
###UAL	001	0C00	0821	
###UAT	001	0900	0917	
###UCD	001	0900	0925	
###UCN	001	0C00	0909	
###UCP	001	0700	0913	
###UDE	001	0C00	0929	
###UDI	001	0C00	0933	
###UEX	001	0C00	0817	
###UIN	001	0C00	0921	
###UPA	001	0C00	0901	

CROSS REFERENCE

SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 79

###UPO	001	0C00	0969	
###UPT	001	0C00	0965	
###VCR	001	2000	0761	
###VLO	001	0600	0797	
###VOD	001	0600	0801	
###VVM	001	0000	0809	
###VXI	001	0600	0789	
###ZDU	001	1100	0941	
###ZLB	001	1100	0985	
###ZLO	001	1100	0945	
###ZLV	001	0F00	1001	
###ZL1	001	0F00	0989	
###ZL2	001	0F00	0993	
###ZL3	001	0C00	0997	
###ZTR	001	1000	0937	
###ZUT	001	0C00	0949	
##BLN	001	18D4	0880	
##CKT	001	2118	1008	
##CNF	001	2000	0976	
##COR	001	0800	0768	
##CSA	001	1000	0828	
##DRT	001	0000	0572	
##ERM	001	0928	0772	
##FSP	001	1880	0868	
##INV	001	212C	1012	
##PWR	001	2300	1016	
##RSP	001	1780	0848	
##SAV	001	1180	0836	
##SSA	001	1128	0832	
##VUF	001	0B08	0792	
##0TR	001	0000	0564	
##1TR	001	0080	0568	
##@BL	001	0001	0882	
##@CK	001	0004	1010	
##@CN	001	0001	0978	
##@CO	001	003A	0770	
##@CS	001	003A	0830	
##@DR	001	0008	0574	
##@ER	001	0032	0774	
##@FS	001	0030	0870	
##@IN	001	003A	1014	
##@PW	001	00C0	1018	
##@RS	001	0030	0850	
##@SA	001	0108	0838	
##@SS	001	0001	0834	
##@VU	001	0002	0794	
##@0T	001	0018	0566	
##@1T	001	0018	0570	
##@BCO	001	0018	0582	
##@BOV	001	0018	0854	
##@DPR	001	0005	0590	2008
##@DRE	001	0001	0606	1991
##@DSP	001	0004	0626	
##@ECM	001	0006	0886	2325
##@EFK	001	0002	0906	
##@ERR	001	0003	0878	

CROSS REFERENCE

SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 80

#\$@EXM	001	0003	0766	
#\$@FIL	001	0009	0846	
#\$@FIS	001	0009	0842	
#\$@FML	001	0052	0974	
#\$@FMS	001	0052	0814	
#\$@GRA	001	0003	0738	1996
#\$@GUF	001	0010	0874	
#\$@INL	001	0010	0954	
#\$@INS	001	0010	0578	
#\$@KAL	001	000F	0742	
#\$@KCA	001	000C	0958	
#\$@KCH	001	000C	0710	
#\$@KCN	001	0010	0826	
#\$@KCT	001	0009	0678	
#\$@KDE	001	0010	0674	
#\$@KDI	001	0005	0754	
#\$@KDN	001	0010	0662	
#\$@KDO	001	000C	0758	
#\$@KED	001	000E	0598	
#\$@KEN	001	0006	0602	
#\$@KEX	001	0003	0622	
#\$@KGO	001	0002	0594	
#\$@KHE	001	000C	0778	
#\$@KKE	001	0006	1006	
#\$@KLI	001	0008	0682	
#\$@KLL	001	0001	0982	
#\$@KLO	001	0008	0686	
#\$@KME	001	0003	0666	
#\$@KMO	001	0004	0610	
#\$@KNA	001	0008	0722	
#\$@KOV	001	0009	0642	
#\$@KPA	001	0005	0618	
#\$@KPO	001	000D	0706	
#\$@KPR	001	0009	0730	
#\$@KRE	001	0002	0650	
#\$@KRL	001	0004	0746	
#\$@KRM	001	0003	0614	
#\$@KRN	001	0003	0634	
#\$@KRO	001	000A	0638	
#\$@KRS	001	000A	0962	
#\$@KRU	001	0003	0658	
#\$@KRV	001	000D	0750	
#\$@KSA	001	0004	0694	
#\$@KSE	001	0004	0734	
#\$@KSO	001	000D	0786	
#\$@KSS	001	000B	0718	
#\$@KSV	001	0002	0714	
#\$@KSY	001	000F	0726	
#\$@KWI	001	0002	0654	
#\$@KWR	001	0002	0646	
#\$@LOA	001	0013	0586	
#\$@MIP	001	000D	0782	
#\$@SDS	001	0004	0894	
#\$@SFF	001	0008	0898	
#\$@SFL	001	0005	0890	
#\$@SFO	001	0003	0862	

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 81

##\$@SFS 001 0011 0858
##\$@SPA 001 0004 0698
##\$@SPO 001 0003 0702
##\$@SPS 001 0001 0690
##\$@STR 001 0002 0866
##\$@TDC 001 0003 0670
##\$@TSY 001 0003 0630
##\$@TVK 001 0001 0806
##\$@UAL 001 0011 0822
##\$@UAT 001 000C 0918
##\$@UCD 001 000B 0926
##\$@UCN 001 0009 0910
##\$@UCP 001 000F 0914
##\$@UDE 001 000E 0930
##\$@UDI 001 0008 0934
##\$@UEX 001 000E 0818
##\$@UIN 001 000F 0922
##\$@UPA 001 0004 0902
##\$@UPO 001 0005 0970
##\$@UPT 001 0012 0966
##\$@VCR 001 0008 0762
##\$@VLO 001 0002 0798
##\$@VOD 001 0016 0802
##\$@VVM 001 0030 0810
##\$@VXI 001 0002 0790
##\$@ZDU 001 0008 0942
##\$@ZLB 001 0002 0986
##\$@ZLO 001 000C 0946
##\$@ZLV 001 0006 1002
##\$@ZL1 001 0007 0990
##\$@ZL2 001 000D 0994
##\$@ZL3 001 000A 0998
##\$@ZTR 001 0001 0938
##\$@ZUT 001 0014 0950
##\$BCOM 001 0080 0580
##\$BOLV 001 1780 0852
##\$DPRI 001 014C 0588 2006
##\$DREA 001 0200 0604 1990
##\$DSPL 001 0240 0624
##\$ECMA 001 1900 0884 2324
##\$EFKE 001 1990 0904
##\$ERRP 001 18C0 0876
##\$EXMS 001 07D4 0764
##\$FILN 001 1724 0844
##\$FIST 001 1700 0840
##\$FMLN 001 1E00 0972
##\$FMST 001 0D00 0812
##\$GRAP 001 0690 0736 1995
##\$GUFU 001 1880 0872
##\$INLN 001 1C84 0952
##\$INST 001 0020 0576
##\$KALL 001 06A4 0740
##\$KCAL 001 1CC4 0956
##\$KCHA 001 053C 0708
##\$KCND 001 0F80 0824
##\$KCTL 001 03BC 0676

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 82

#\$KDEL	001	035C	0672	
#\$KDIS	001	0744	0752	
#\$KDNT	001	0300	0660	
#\$KDOV	001	0780	0756	
#\$KEDI	001	0188	0596	
#\$KENA	001	01C4	0600	
#\$KEXT	001	0234	0620	
#\$KGOS	001	0180	0592	
#\$KHEL	001	0A30	0776	
#\$KKEY	001	2100	1004	
#\$KLIS	001	0400	0680	
#\$KLLA	001	2004	0980	
#\$KLOG	001	0444	0684	
#\$KMER	001	030C	0664	
#\$KMOU	001	0204	0608	
#\$KNAM	001	05C0	0720	
#\$KOVN	001	0290	0640	
#\$KPAS	001	0220	0616	
#\$KPOO	001	0508	0704	
#\$KPRT	001	063C	0728	
#\$KREA	001	02BC	0648	
#\$KRLA	001	0700	0744	
#\$KRMO	001	0214	0612	
#\$KRNU	001	0280	0632	
#\$KROV	001	028C	0636	
#\$KRSU	001	1D24	0960	
#\$KRUN	001	02CC	0656	
#\$KRVL	001	0710	0748	
#\$KSAV	001	0488	0692	
#\$KSET	001	0680	0732	
#\$KSOV	001	0AC8	0784	
#\$KSSP	001	0594	0716	
#\$KSVL	001	058C	0712	
#\$KSYM	001	0600	0724	
#\$KWID	001	02C4	0652	
#\$KWRI	001	02B4	0644	
#\$LOAD	001	0100	0584	
#\$MIPP	001	0A80	0780	
#\$SDSY	001	192C	0892	
#\$SFFI	001	193C	0896	
#\$SFLO	001	1918	0888	
#\$SFOV	001	1844	0860	
#\$SFSY	001	1800	0856	
#\$SPAC	001	04CC	0696	
#\$SPOV	001	04DC	0700	
#\$SPSY	001	0484	0688	
#\$STRO	001	1850	0864	
#\$TDCK	001	0350	0668	
#\$TSYK	001	0250	0628	
#\$TVKB	001	0BAC	0804	
#\$UALL	001	0F00	0820	
#\$UATR	001	1A38	0916	
#\$UCDI	001	1AD8	0924	
#\$UCNF	001	19B8	0908	
#\$UCPL	001	19DC	0912	
#\$UDEL	001	1B24	0928	

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 83

#\$UDIS 001 1B5C 0932
#\$UEXL 001 0EA8 0816
#\$UINI 001 1A88 0920
#\$UPAC 001 1980 0900
#\$UPOV 001 1D24 0968
#\$UPTF 001 1D5C 0964
#\$VCRT 001 07B4 0760
#\$VLOA 001 0B80 0796
#\$VODK 001 0B88 0800
#\$VVMR 001 0C00 0808
#\$VXIT 001 0B00 0788
#\$ZDUM 001 1BA4 0940
#\$ZLBM 001 2008 0984
#\$ZLOA 001 1BC4 0944
#\$ZLVR 001 20B0 1000
#\$ZL1M 001 2010 0988
#\$ZL2M 001 2030 0992
#\$ZL3M 001 2088 0996
#\$ZTRA 001 1B9C 0936
#\$ZUTM 001 1C14 0948
#@#BAD 001 0455 1557
#@#IO1 001 0459 1565
#@#IO2 001 045D 1566
#@#TAT 001 0941 1593
#@#TBA 001 09A1 1597
#@#TFS 001 0941 1591
#@#TSY 001 0941 1595
#@#VFP 001 0700 1583
#@#VLP 001 093D 1586
#@#WDB 001 050C 1578
#@#WFT 001 0500 1576
#@#BA 001 0001 1558
#@#IO 001 0001 1570
#@#SC 001 0002 1567
#@#TA 001 0010 1594
#@#TB 001 0010 1598
#@#TS 001 0005 1596
#@#TW 001 0020 1592
#@#VM 001 0100 1587
#@#WD 001 00BD 1579
#@#WF 001 0003 1577
#@#04 001 0004 1569
#@#08 001 0008 1568
#@#BOV 001 0018 1546
#@#ECM 001 0006 1560
#@#ERR 001 0003 1554
#@#GUF 001 0010 1550
#@#LDS 001 0002 1556
#@#SDS 001 0004 1552
#@#SFF 001 0008 1564
#@#SFL 001 0005 1562
#@#SFO 001 0005 1572
#@#SFS 001 0011 1548
#@#VSF 001 0010 1600
#@#VSL 001 000F 1601
#@#VTR 001 0001 1585

2000

2972

2001

2320

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 84

#@BOVL	001	0400	1545	
#@ECMA	001	0481	1559	2319
#@ERRP	001	0441	1553	
#@GUFU	001	0401	1549	
#@LDSV	001	044D	1555	
#@SDSY	001	04AD	1551	
#@SFFI	001	04BD	1563	
#@SFLO	001	0449	1561	
#@SFOV	001	04C4	1571	
#@SFSY	001	0480	1547	
#@VSFI	001	09A1	1599	
#@VTRL	001	0708	1584	
#@WAF1	001	0401	1544	
#@WAR1	001	0400	1543	
#GUFUD	001	0000	0001	
@@E100	001	0000	0220	0222
@@E101	001	0001	0222	0224
@@E102	001	0002	0224	0226
@@E103	001	0003	0226	0228
@@E110	001	0004	0228	0230
@@E112	001	0005	0230	0232
@@E113	001	0006	0232	0234
@@E114	001	0007	0234	0236
@@E115	001	0008	0236	0238
@@E116	001	0009	0238	0240
@@E117	001	000A	0240	0242
@@E120	001	000B	0242	0244
@@E122	001	000C	0244	0246
@@E123	001	000D	0246	0248
@@E124	001	000E	0248	0250
@@E129	001	000F	0250	0252
@@E130	001	0010	0252	0254
@@E131	001	0011	0254	0256
@@E133	001	0012	0256	0258
@@E134	001	0013	0258	0260
@@E135	001	0014	0260	0262
@@E136	001	0015	0262	0264
@@E137	001	0016	0264	0266
@@E138	001	0017	0266	0268
@@E139	001	0018	0268	0270
@@E142	001	0019	0270	0272
@@E143	001	001A	0272	0274
@@E150	001	001B	0274	0276
@@E151	001	001C	0276	0278
@@E160	001	001D	0278	0280
@@E162	001	001E	0280	0282
@@E163	001	001F	0282	0284
@@E164	001	0020	0284	0286
@@E200	001	0021	0286	0288
@@E205	001	0022	0288	0290
@@E210	001	0023	0290	0292
@@E211	001	0024	0292	0294
@@E212	001	0025	0294	0296
@@E213	001	0026	0296	0298
@@E215	001	0027	0298	0300
@@E216	001	0028	0300	0302

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
@@E217	001	0029	0302	0304
@@E220	001	002A	0304	0306
@@E221	001	002B	0306	0308
@@E222	001	002C	0308	0310
@@E223	001	002D	0310	0312
@@E225	001	002E	0312	0314
@@E226	001	002F	0314	0316
@@E227	001	0030	0316	0318
@@E228	001	0031	0318	0320
@@E229	001	0032	0320	0322
@@E230	001	0033	0322	0324
@@E232	001	0034	0324	0326
@@E234	001	0035	0326	0328
@@E237	001	0036	0328	0330
@@E240	001	0037	0330	0332
@@E241	001	0038	0332	0334
@@E242	001	0039	0334	0336
@@E248	001	003A	0336	0338
@@E249	001	003B	0338	0340
@@E250	001	003C	0340	0342
@@E251	001	003D	0342	0344
@@E252	001	003E	0344	0346
@@E253	001	003F	0346	0348
@@E254	001	0040	0348	0350
@@E255	001	0041	0350	0352
@@E256	001	0042	0352	0354
@@E300	001	0043	0354	0356
@@E301	001	0044	0356	0358
@@E302	001	0045	0358	0360
@@E303	001	0046	0360	0362
@@E304	001	0047	0362	0364
@@E305	001	0048	0364	0366
@@E308	001	0049	0366	0368
@@E310	001	004A	0368	0370
@@E315	001	004B	0370	0372
@@E316	001	004C	0372	0374
@@E320	001	004D	0374	0376
@@E325	001	004E	0376	0378
@@E330	001	004F	0378	0380
@@E335	001	0050	0380	0382
@@E338	001	0051	0382	0384
@@E340	001	0052	0384	0386
@@E350	001	0053	0386	0388
@@E351	001	0054	0388	0390
@@E352	001	0055	0390	0392
@@E360	001	0056	0392	0394
@@E361	001	0057	0394	0396
@@E362	001	0058	0396	0398
@@E371	001	0059	0398	0400
@@E380	001	005A	0400	0402
@@E390	001	005B	0402	0404
@@E400	001	005C	0404	0406
@@E410	001	005D	0406	0408
@@E415	001	005E	0408	0410
@@E417	001	005F	0410	0412
@@E420	001	0060	0412	0414

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
@@E430	001	0061	0414	0416
@@E432	001	0062	0416	0418
@@E433	001	0063	0418	0420
@@E450	001	0064	0420	0422
@@E451	001	0065	0422	0424
@@E460	001	0066	0424	0426
@@E461	001	0067	0426	0428
@@E464	001	0068	0428	0430
@@E465	001	0069	0430	0432
@@E466	001	006A	0432	0434
@@E467	001	006B	0434	0436
@@E469	001	006C	0436	0438
@@E470	001	006D	0438	0440
@@E471	001	006E	0440	0442
@@E473	001	006F	0442	0444
@@E474	001	0070	0444	0446
@@E475	001	0071	0446	0448
@@E476	001	0072	0448	0450
@@E477	001	0073	0450	0452
@@E478	001	0074	0452	0454
@@E479	001	0075	0454	0456
@@E480	001	0076	0456	0458
@@E481	001	0077	0458	0460
@@E482	001	0078	0460	0462
@@E483	001	0079	0462	0464
@@E484	001	007A	0464	0466
@@E485	001	007B	0466	0468
@@E486	001	007C	0468	0470
@@E487	001	007D	0470	0472
@@E488	001	007E	0472	0474
@@E489	001	007F	0474	0476
@@E490	001	0080	0476	0478
@@E491	001	0081	0478	0480
@@E492	001	0082	0480	0482
@@E493	001	0083	0482	0484
@@E494	001	0084	0484	0486
@@E495	001	0085	0486	0488
@@E496	001	0086	0488	0490
@@E497	001	0087	0490	0492
@@E498	001	0088	0492	0494
@@E500	001	0089	0494	0496
@@E501	001	008A	0496	0498
@@E530	001	008B	0498	0500 1824 2785
@@E531	001	008C	0500	0502 1815
@@E535	001	008D	0502	0504
@@E540	001	008E	0504	0506 2281
@@E541	001	008F	0506	0508
@@E542	001	0090	0508	0510
@@E543	001	0091	0510	0512
@@E544	001	0092	0512	0514
@@E545	001	0093	0514	0516
@@E546	001	0094	0516	0518
@@E547	001	0095	0518	0520
@@E549	001	0096	0520	0522
@@E550	001	0097	0522	0524 3116
@@E551	001	0098	0524	0526

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SYMBOL LEN VALUE DEFN REFERENCES VER 15, MOD 00 29/02/16 PAGE 87

@@E552	001	0099	0526	0528											
@@E553	001	009A	0528	0530											
@@E554	001	009B	0530	0532											
@@E555	001	009C	0532	0534											
@@E556	001	009D	0534	0536											
@@E558	001	009E	0536	0538											
@@E570	001	009F	0538	0540											
@@E571	001	00A0	0540	0542											
@@E572	001	00A1	0542	0544											
@@E573	001	00A2	0544	0546											
@@E574	001	00A3	0546	0548	1943										
@@E578	001	00A4	0548	0550											
@@E585	001	00A5	0550												
@M130	001	0C0B	1704	1890											
@M131	001	0C0F	1708	1895											
@M132	001	0C13	1712	1948											
@T130	001	0C17	1716	1706											
@T131	001	0C2E	1718	1710											
@T132	001	0C33	1720	1714											
@ARR	001	0008	0017	1737	2203	2249	2342	2483*	2484	2485*	2486	2569	3195		
@ASIGN	001	007C	0071												
@ASTER	001	005C	0069												
@BCRDL	001	0050	0088												
@BE	001	0081	0043												
@BF	001	0090	0052	2275											
@BH	001	0084	0041												
@BL	001	0082	0042												
@BLANK	001	0040	0065	1955	2287	2314									
@BM	001	0082	0054												
@BNE	001	0001	0046												
@BNH	001	0004	0044												
@BNL	001	0002	0045												
@BNM	001	0002	0057												
@BNOL	001	0020	0050												
@BNOZ	001	0008	0049												
@BNP	001	0004	0056												
@BNZ	001	0001	0058												
@BOL	001	00A0	0048												
@BOZ	001	0088	0047												
@BP	001	0084	0053												
@BR	001	0001	0014	1739	1740*	1754	1761	1763	1765	1765*	1767	1768	1768*	1774	1776*
				2059*	2069	2071	2072	2073	2176	2177*	2179	2180	2182	2183	2185
				2186	2188	2189	2190	2192	2196	2204	2205	2205	2206	2207	2208
				2209	2210	2214	2215	2216	2217	2217	2220	2223	2223	2225	2228
				2228	2230	2231	2232	2336	2339	2340*	2341	2342	2343	2344	2345
				2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2355	2358
				2359	2360	2361	2363	2364	2365	2366	2367	2368	2372	2373	2374
				2375	2377	2378	2379	2382	2384	2386	2391*	2479	2480	2482*	2483
				2484	2485	2486	2488	2489	2489	2490	2492	2493	2495	2497	2497
				2498	2498	2499	2501	2503	2504	2504	2505	2507	2509	2510	2510
				2511	2511	2512	2512	2513	2520*	2540	2540	2542	2542	2543	2544
				2545	2545	2546	2546	2547	2548	2548	2549	2550	2551	2551	2552
				2554	2554	2555	2555	2556	2556	2557	2557	2558	2570*	2571	2572
				2573*	2574	2591	2595*	2598	2669*	2671	2674	2676	2678	2679	2679*
				2684	2687*	2692	2723	2726	2728*	2765	2812*	2823*	2824	2826	2835
				2835	2838*	2847*	2848	2849	2849	2850	2850	2851	2851	2852	2853

CROSS REFERENCE															
SYMBOL	LEN	VALUE	DEFN	REFERENCES								VER 15, MOD 00 29/02/16			PAGE 88
				2853	2854	2854	2855	2855	2856	2856	2857	2858	2859	2859	2860
				2862	2862	2863	2864	2865	2865	2866	2867*	2868	2871	2871*	2872
				2879*	2887	2894	2894*	2901*	2903	2907	2907*	3036	3037*	3046	3048
				3050	3053	3054	3072	3074	3075	3082	3088	3110	3191	3193	3194*
				3195	3197	3197	3198	3199	3204	3204	3206	3206	3207	3207	3208
				3210	3210	3211	3212*								
@BT	001	0010	0051												
@BZ	001	0081	0055												
@B1	001	0001	0063	1740	1747	1749	1755	1756	1765	1766	1767	1768	1769	1928	2040
				2045	2052	2289	2315*	2586	2588	2772	2833	2836	2871	2907	3144
				3198	3199										
@CADDR	001	0002	0141	1706	1710	1714	1775	1817	1834	1835	1836	1840	1841	1881	1890
				1895	1948	2030	2031	2036	2037	2043	2044	2057	2060	2061	2065
				2141	2162	2204	2205	2213	2217	2223	2228	2294	2343	2344	2347
				2350	2351	2352	2355	2357	2363	2366	2371	2379	2489	2576	2627
				2721	2727	2729	2733	2747	2748	2750	2753	2757	2766	2774	2789
				2799	2800	2802	2805	2810	2825	2827	2829	2860	2864	2865	2912
				3043	3049										
@CARDL	001	0060	0087	1451											
@CHARA	001	00C1	0072												
@CHARF	001	00C6	0073												
@CHARR	001	00D9	0074												
@CHARZ	001	00E9	0075												
@CLOFF	001	0010	0094												
@CLON	001	0011	0093												
@COMMA	001	006B	0066												
@CPLUS	001	004E	0079												
@DADDR	001	0002	0139	2488											
@DBFR1	001	0004	0128	2555*											
@DBFR2	001	0005	0129												
@DCALK	001	0001	0081												
@DCBCY	001	0009	0114												
@DCBT1	001	0050	0116												
@DCNT	001	0003	0127	2537											
@DCST1	001	0040	0115												
@DCTRL	001	0000	0124												
@DCYL	001	0001	0125	2525											
@DD2	001	0003	0030												
@DGET	001	0001	0133	1989	1994	1999	2005	2318	2323	2395					
@DOP2	001	0004	0028	203											

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
@D1	001	0002	0026	2068* 2070 2070* 2667* 2670* 2685* 2798* 2804* 2809* 2841* 2889* 2892 2902 3198* 3210*
@EOF	001	001C	0077	
@EOFTC	001	0075	0160	
@EOS	001	001E	0076	1745 2301
@FDDBC	001	0000	0193	
@FDE1	001	000C	0198	
@FDFNA	001	000B	0196	
@FDHLN	001	0002	0206	
@FDLNC	001	0002	0191	
@FDNSC	001	0003	0208	
@FDSD	001	0000	0204	
@FLACE	001	0009	0195	
@FLDBC	001	0001	0194	
@FLENT	001	0004	0199	
@FLFNA	001	0002	0197	
@FLHLN	001	0002	0207	
@FLLNC	001	0002	0192	
@FLNSC	001	0001	0209	
@FLSD	001	0001	0205	
@HDRLN	001	0007	0092	1479 1806 2027
@IAR	001	0010	0018	
@INDEX	001	0001	0154	0155
@INST3	001	0003	0032	
@INST4	001	0004	0033	
@INST5	001	0005	0034	
@INST6	001	0006	0035	
@I1IAR	001	00C0	0020	
@LINSZ	001	00F4	0084	1453 1928 1928* 2315
@MAPEN	001	0005	0089	
@MINCR	001	2000	0083	
@MINUS	001	0060	0080	
@NOP	001	0080	0040	1827 1853 1918 1961 2262 2274 2304 2493 2616 2742 3130 3137 3147
@NUMBR	001	007B	0070	
@OPD2	001	0004	0029	2881* 2886* 2889
@OP1	001	0003	0027	1737* 1738* 1739* 2030* 2031* 2043 2043* 2044* 2065* 2203* 2204* 2205 2217 2217* 2223* 2228* 2249* 2339* 2341* 2342* 2343* 2344* 2347* 2350* 2351* 2352* 2355 2363* 2366* 2379* 2480* 2486* 2569* 2766* 2789* 2952 3193* 3195*
@OP2	001	0005	0031	1839* 1840* 1841* 2733*
@PCTRL	001	0000	0147	
@PDATA	001	0003	0149	
@PGCSZ	001	0020	0082	0083
@PPLNG	001	0004	0146	
@PRCNT	001	0001	0148	
@PRETR	001	00C0	0152	1708 1712
@PRINT	001	0040	0150	0152 1704
@PSR	001	0004	0016	
@PWAIT	001	00FF	0156	
@P1IAR	001	0020	0019	
@Q	001	0001	0024	1827* 1942* 1961* 2028* 2029* 2038* 2039* 2066* 2067* 2118 2275* 2305* 2492* 2493* 2503* 2509* 2535 2536 2538 2547* 2549 2592* 2593* 2594 2594* 2615 2618* 2688* 2689* 2742* 2790* 2826* 2830* 2834* 2880* 2884* 2885* 2888 2888* 2891* 3199* 3207 3207* 3210
@REGL	001	0002	0013	

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@RETRN	001	0080	0151	0152	1987	1988	2330	2331							
@RLDWN	001	004F	0157												
@RTRNC	001	0080	0159												
@SBLN	001	0005	1605	1931*											
@SBLNL	001	0002	0182	1931	2788										
@SCTS	001	0100	0099	1956	3144										
@SDFLN	001	0007	0090												
@SDF0	001	0000	0164												
@SDF1	001	0001	0165	1774*	1775*	3155									
@SDF2	001	0002	0166												
@SDF3	001	0003	0167	1932*											
@SDLN	001	0005	0168												
@SECCY	001	0030	0086												
@SIST	001	0001	0179												
@SLASH	001	0061	0067												
@SLAST	001	0002	0181												
@SMIDL	001	0003	0180												
@SNULL	001	0080	0171												
@SONLY	001	0000	0178												
@STEXT	001	0007	0170	1740	1741	1928									
@STYPE	001	0006	0169	1928*	1930*										
@SYLVL	001	0004	0562												
@TBCNT	001	0000	0158												
@TBLEF	001	0010	0153	0155											
@TBLIX	001	0011	0155												
@UCB	001	0087	0039	1942	2266	2305	2547	2618	2786	2790	3133				
@UPARW	001	005A	0078												
@VADDR	001	0002	0140												
@VENTA	001	0056	0112												
@VMDDV	001	00FE	0113												
@VMFD1	001	0000	0108												
@VMFD2	001	0001	0109												
@VMRS3	001	0002	0111												
@VMTRL	001	0001	0110												
@VOLID	001	0006	0091												
@VQ	001	0001	0025												
@WSFIT	001	0500	0100												
@WSTBL	001	0503	0101												
@XR	001	0002	0015	1738	1741*	1745	1747	1747	1749	1749	1755	1755*	1756	1756	1766
				1766*	1767	1769	1769*	1777*	1839	1933*	2035*	2046	2121*	2124	2126
				2128	2128*	2135	2142	2143	2144	2147*	2148	2150	2151	2151*	2158*
				2161	2164	2166	2166	2168	2168*	2173*	2178	2178	2180	2181	2181
				2182	2184	2184	2185	2188	2190	2191	2191	2192	2207	2209	2211
				2211*	2212	2215	2218	2278*	2279	2280	2281	2282	2283	2284*	2287
				2289	2289*	2293	2301	2341	2356	2360	2362	2367	2369	2369*	2370
				2373	2390*	2574*	2575*	2581	2583	2590	2593	2595	2596	2596*	2597
				2601	2603	2605	2605*	2628*	2632	2635	2636	2636*	2637	2643	2645
				2648	2649	2649*	2654	2656	2658	2662	2663	2668	2670	2671	2672
				2676	2681	2686	2687	2689	2690	2690*	2691	2691*	2692	2695*	2696
				2699	2701	2703	2707	2709	2710	2711	2712	2741*	2749*	2772	2806
				2842	2857*	2858	2863	2868	2872*	2878*	2890	2895	2895*	2902*	2903
				2906	2906*	2913*	3038*	3042	3045	3047*	3051*	3052	3058	3058*	3062
				3066	3066*	3068*	3069	3071	3073	3077	3078	3081	3081*	3087	3090
				3091	3109	3140*	3141	3143	3143*	3144	3148	3148*	3149	3150	3201
@ZERO	001	0000	0062	1745	1747	1754*	1761	1763*	1767*	1892	1930	1957	2046*	2138	2227
				2287	2301	2354	2382	2492	2574	2577	2597	2598*	2629	2651	2678

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SYMBOL	LEN	VALUE	DEFN	REFERENCES										VER 15, MOD 00 29/02/16 PAGE 91			
				2679	2683	2685	2691	2692	2692*	2699	2714	2743	2745	2768	2794		
				2835	2839	2842	2868*	2891	2903	3152							
C2DEC5	001	0F5B	3192	1934	3191	3194											
C2DVAL	005	0F99	3219	1935	3204	3204	3204*	3206	3206								
C2D020	003	0F6D	3199	3210	3211												
C2D030	003	0F70	3201	3198*	3199*	3207	3207*	3208	3210*								
C2D040	004	0F7A	3206	3202													
C2D050	004	0F8C	3212	3193*													
C2D052	004	0F90	3213	3195*													
C2D901	001	0F94	3217	3197	3197	3197											
C2D902	001	0F95	3218	3197													
C2D903	005	0F9E	3220	3197	3197*	3204	3204	3204	3206	3206	3206	3206*					
DL4CYL	001	14DC	2525	2497*													
DL4C01	002	14E2	2533	2483	2485	2497											
DL4C05	002	14E4	2534	2489													
DL4C24	003	14B3	2536	2510													
DL4C48	003	14A0	2538	2504	2545	2551											
DL4C96	003	148F	2535	2498													
DL4DPL	006	14E0	2524	2490*													
DL4EFD	001	0001	2531	2503	2549												
DL4END	001	1522	2562														
DL4ETB	001	0080	2532	2509													
DL4E01	001	0001	2530	2505													
DL4E24	001	0018	2529	2507													
DL4E48	001	0030	2528	2501	2543												
DL4E96	001	0060	2527	2495													
DL4ICS	001	1466	2478	2221	2233	2375	2384										
DL4LST	001	14DB	2523	2516	2525	2526	2537	2555*									
DL4SAV	005	147D	2561	2548*	2551*	2554											
DL4SCD	001	14DD	2526	2495	2498*	2501	2504*	2507	2510*	2511	2511*	2512	2512*	2513*	2542		
				2548	2554*	2556*											
DL4SCT	001	14DE	2537	2505	2540	2546*	2555	2556	2557*								
DL4SPT	004	14E5	2541	2506													
DL4WRK	005	147E	2560	2540*	2542*	2543	2545*	2546	2557								
DL4010	001	146A	2481	2479	2482												
DL4020	005	147A	2488	2484*	2560	2561											
DL4030	005	1483	2490	2488*	2489*												
DL4035	003	1488	2492	2558													
DL4040	003	148E	2495	2499	2535												
DL4050	003	149F	2501	2496	253												

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
GCP050	003	0C9F	1755	1764
GCP080	003	0CB8	1765	1762
GCP090	004	0CBE	1767	1748 1750
GCP100	003	0CC2	1768	1757
GCP110	004	0CCC	1774	1746
GCP120	004	0CD6	1776	1739*
GCP130	004	0CDA	1777	1738*
GCP140	004	0CDE	1778	1737*
GUFCSH	001	1107	2113	
GUFDIN	001	1389	2337	
GUFENT	001	0D90	1849	2154
GUFPAK	001	1522	2567	
GUFUDI	001	0C07	1698	2092
GUFUPD	001	1A7B	3034	
GUF000	003	110F	2117	2118
GUF003	003	1110	2118	1918*
GUF006	004	1112	2119	2120
GUF009	004	111A	2121	2117
GUF012	005	1125	2124	2129
GUF015	004	113A	2130	2123 2125 2160 2163 2165 2197
GUF018	004	1141	2135	2127
GUF021	003	1178	2148	2152
GUF024	004	1189	2153	2149
GUF027	004	1191	2158	2131
GUF030	004	119D	2161	2169
GUF033	004	11C2	2173	2167
GUF036	004	11F3	2188	2176 2177 2183 2812
GUF039	004	11FA	2190	2179
GUF042	004	1206	2193	2186 2189
GUF045	001	1217	2202	2196 2813
GUF048	004	1220	2205	2225
GUF051	005	1232	2210	2232
GUF054	005	1252	2218	2217*
GUF057	001	1271	2226	2214 2216
GUF060	004	1271	2227	2204* 2205 2217 2223* 2228*
GUF063	004	128A	2233	2220 2230
GUF066	004	1290	2235	2203*
GUF069	001	1294	2237	2180* 2182 2185 2188 2190* 2192 2209* 2210* 2215
GUF072	002	1296	2238	2223 2228 2347 2350 2366 2627 2727 2827
GUF075	001	1297	2239	2222 2234
GUF078	001	1299	2241	2206* 2207*
GUF081	001	129A	2242	2208* 2231*
GUF084	002	129C	2243	2205*
GUF087	001	129D	2248	2119 2130 2136
GUF090	004	12AC	2253	2251 2791 2792
GUF093	004	12BE	2258	2254
GUF095	004	12C5	2260	2267
GUF096	004	12CF	2263	2249* 2789*
GUF097	004	12D3	2265	2257
GUF098	004	12D7	2266	2275*
GUF099	004	12DF	2272	2259 2266 2273 2790*
GUF102	004	12FB	2284	2277
GUF105	003	1306	2287	2290
GUF108	004	1313	2291	2288
GUF111	003	1339	2301	2292
GUF114	004	133F	2303	2286 2295

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
GUF115	003	1343	2304	2305*
GUF116	004	134E	2307	2304
GUF117	004	135B	2311	2308
GUF120	004	1361	2313	2302
GUF123	001	1377	2318	2310
GUF126	001	137D	2323	2312
GUF129	002	1384	2328	2293* 2294
GUF132	002	1386	2329	2294
GUF135	001	1387	2330	2299
GUF138	001	1389	2338	2140 2175 2759 3060 3067
GUF141	005	13BC	2352	2336 2340 2349
GUF144	003	13C1	2353	2346
GUF147	003	13C4	2354	2378
GUF150	005	13DF	2361	2374
GUF153	005	13E4	2362	2344* 2351* 2352* 2363*
GUF156	005	1428	2379	2358 2372
GUF159	006	142D	2380	2343* 2347* 2350* 2355 2366* 2379*
GUF162	003	143F	2384	2365
GUF165	004	144C	2388	2383
GUF168	004	1452	2390	2341* 2387
GUF171	004	1456	2391	2339*
GUF174	004	145A	2392	2342*
GUF177	001	145E	2394	2376 2385
GUF180	001	145E	2395	
GUF183	001	1460	2397	2359* 2360* 2400
GUF186	001	1461	2398	2354* 2361* 2377 2382 2386
GUF189	002	1463	2399	2355*
GUF192	001	145F	2400	
GUF195	001	1464	2401	2139* 2174* 2345 2348 2353* 2364* 2752* 2756* 3059* 3065*
GUF198	001	1465	2402	2367* 2368* 2373
GUF201	001	1522	2568	2153 3124
GUF204	004	154D	2579	2599 2606 2736
GUF207	004	1566	2586	2609
GUF210	005	1574	2590	2587
GUF213	004	1579	2591	2589
GUF216	005	1592	2597	2592* 2593* 2594 2594*
GUF219	005	1597	2598	
GUF222	005	15A0	2601	2585
GUF225	004	15BA	2608	2602
GUF228	003	15C2	2614	2580 2582 2615 2617 2618* 2742* 2760
GUF231	004	15D2	2622	2614 2638 2640
GUF234	006	15DD	2625	2621 2623 2633
GUF237	003	160F	2637	2631 2650 2694
GUF240	005	1639	2648	2644
GUF243	004	1645	2651	2646
GUF246	004	1649	2652	2642 2732
GUF249	005	1672	2662	2655 2715
GUF252	003	16AD	2678	2675
GUF255	003	16B0	2679	2670* 2673 2677
GUF258	005	16B6	2681	2664
GUF261	004	16BE	2683	2666
GUF264	004	16C2	2684	2682
GUF267	005	16CA	2686	2680
GUF270	003	16DE	2691	2667* 2685*
GUF273	004	16E1	2692	2688* 2689*
GUF276	003	16FF	2699	2657

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
GUF279	003	170B	2703	2661
GUF282	004	1711	2705	2700
GUF285	003	1718	2707	2704
GUF288	004	171B	2708	2702
GUF291	005	171F	2709	2706
GUF294	006	173F	2720	2653 2698 2952
GUF297	006	1760	2727	2725
GUF300	006	177B	2733	2730
GUF303	006	1781	2734	2733*
GUF306	004	1791	2741	2626
GUF309	004	17A0	2745	2771 2775
GUF312	004	17D4	2756	2751
GUF315	004	17E2	2759	2755
GUF318	005	17EA	2765	2744
GUF321	006	17F5	2767	2766*
GUF324	006	181A	2779	2769 2773
GUF327	003	1838	2786	1827*
GUF330	006	1841	2788	1816 1825 2786
GUF333	002	1856	2792	2789
GUF336	006	1857	2793	2784
GUF339	006	1888	2802	2843
GUF342	006	188E	2803	2782 2914
GUF345	005	189E	2806	2804* 2805* 2809* 2810* 2811
GUF348	004	18BC	2812	2808
GUF351	004	18D4	2818	2815
GUF354	004	18D8	2819	2569* 2817
GUF357	004	18DC	2823	2801
GUF360	006	18EF	2827	2840
GUF363	006	1907	2832	2828
GUF366	004	1915	2835	2830* 2831 2834*
GUF369	006	192C	2841	2837
GUF372	003	1932	2842	2798* 2826* 2841*
GUF375	004	1939	2847	2781
GUF378	004	1984	2868	2873
GUF381	004	199B	2878	2870
GUF384	006	19AB	2882	2896
GUF387	005	19C4	2887	2880* 2881* 2883 2884* 2885* 2886* 2888 2889
GUF390	005	19D5	2890	2888* 2889* 2891* 2892 2902
GUF393	004	19F1	2901	2893
GUF396	004	19F9	2903	2908
GUF399	006	1A10	2912	2861 2905
GUF402	001	000F	2916	2285
GUF405	001	0023	2917	2752
GUF408	001	000C	2918	2770
GUF411	001	0008	2919	2032* 2064* 3061*
GUF414	001	00FF	2920	2665 2731 2770 2834 3061
GUF417	002	1A1F	2921	2124 2164 2774 2847 2848
GUF420	001	1A20	2922	2833* 2836 2839*
GUF423	002	1A22	2925	2838
GUF426	001	0010	2926	
GUF429	001	1A23	2927	2584 2608* 2622 2624* 2630 2634* 2641 2651* 2743 3089* 3100*
GUF432	002	1A25	2928	2571* 2627* 2628 2729 2753* 2757*
GUF435	002	1A27	2929	2572* 2727* 2728 2729
GUF438	001	1A28	2930	2137* 2193* 2219 2224* 2229* 2381* 2625* 2754* 2758* 2803* 3064*
GUF441	001	1A29	2933	2586 2588* 2683* 2693 2713*
GUF444	001	1A2A	2936	2658* 2659* 2660 2745* 2794*

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SYMBOL	LEN	VALUE	DEFN	REFERENCES	VER 15, MOD 00	29/02/16	PAGE	95
GUF447	001	1A2B	2937	2161* 2162 2212* 2213 2710* 2712* 2746* 2747 2747* 2748 2748* 2749 2795* 2796 2796* 2797 2797* 2798 2799* 2800 2825 2854* 2857 2863* 2878				
GUF450	001	1A2C	2938	2705* 2708* 2832*				
GUF453	001	1A2D	2939	2356* 2357 2370* 2371 2696 2714* 2824* 2825* 2827 2829* 2830 2849 2849* 2850* 2851* 2852 2853 2855 2855* 2856 2856* 2859 2912				
GUF456	002	1A2F	2942	2858* 2859* 2860 2865 2879				
GUF459	001	1A30	2943	2853* 2862 2869*				
GUF462	002	1A32	2944	2864* 2865* 2882 2885 2886 2892*				
GUF465	001	1A33	2945	2862* 2904*				
GUF468	002	1A35	2946	1835 2050* 2141* 2142* 2573 2578* 2579 2583* 2629* 2635* 2639 2648* 2662* 2735 3078* 3079				
GUF471	002	1A37	2949	1841 2049* 2143* 2575 2578 3091* 3151 3151*				
GUF474	006	1742	2952	2576* 2721* 2733 2750 2766				
GUF477	001	1A38	2953					
GUF480	001	1A39	2954					
GUF483	001	1A3A	2955	1832* 2590* 2681* 3077*				
GUF486	001	1A3B	2956	1819 1837 2047* 2048* 2049 2144* 2603* 2652 2654 2660 2665 2686* 2711 2720 2724 2731* 2734* 2735* 2767 3062* 3090*				
GUF489	016	1A4B	2957	2032* 2064* 2770 2774 2958 3061*				
GUF492	002	1A4D	2958	2344 2576 2750 2805				
GUF495	002	1A4F	2959	2882				
GUF498	002	1A51	2960	2150* 2591* 2669 2684*				
GUF501	001	1A52	2961	2138* 2377* 2386* 2746 2780 2795 2850 3152*				
GUF504	001	1A53	2964	2577* 2722* 2768 2779* 2780 2803 2807* 2851 2854				
GUF507	001	0002	2967	1832 2072 2124 2164 2590 2601 2645 2681 3045 3052 3073 3077 3109				
GUF510	002	1A55	2968	1826 2044 2210 2224 2229 2231 2361 2364 2368 2381 2604 2625 2647 2722 2779 2787 2793 2807 2814 2829 2832 2841 2869 2904 3097				
GUF513	002	1A57	2969	1834 2141				
GUF516	002	1A59	2970	2073				
GUF519	002	1A5B	2971	1810				
GUF522	001	00BD	2972	2783				
GUF525	002	1A5D	2973	1834* 1835* 1836 2033 2047 2058 2062				
GUF528	002	1A5F	2974	1836* 1837* 1840 2029 2031 2032				
GUF531	002	1A61	2975	2057* 2058* 2063* 2064 2065 2067 2068 2072				
GUF534	001	0011	2976	3059				
GUF537	001	000F	2977	3151				
GUF540	001	0004	2978	1935 1936 2071 2128 2144 2166 2168 2211 2362 2369 2380 2667 2696 2720 2726 2754 2765 2767 2804 2872 2906 3058 3062 3063 3063* 3064 3066				
GUF543	001	0032	2979	2756 3065				
GUF546	001	0080	2980	2148 2581 2637 2723 3069				
GUF549	001	0002	2981	2643 2656 2663 2674 2703 2708 3071				
GUF552	001	00FB	2982	2579 2639 3079				
GUF555	001	0001	2983	2632 2672 2701 3087				
GUF558	001	0013	2984	2139				
GUF561	001	1A62	2985	2040 2052*				
GUF564	001	0002	2988	2622 3089				
GUF567	001	0001	2989	2624 2630 2634				
GUF570	001	0002	2990	2710 3091				
GUF573	001	0060	2991	3098 3107 3141				
GUF576	001	0004	2992	2584 2608 2641 3100				
GUF579	001	0001	2993	2074				
GUF582	001	0001	2994	2693 2713 3141				

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S Y M B O L	L E N	V A L U E	D E F N	R E F E R E N C E S							V E R 15 , M O D 00 29 / 02 / 16 P A G E 96				
GUF585	001	0003	2995	1980	1980*	2045	2206	2359	2601	2724	2758	2806	3143	3150	3150*
GUF588	001	0005	2996	1980	1980	3150									
GUF591	001	0007	2997	2126	2652										
GUF594	001	0003	2998	2137											
GUF597	001	0014	2999	2174											
GUF600	001	0004	3000	2193											
GUF603	001	0001	3001	2208	2219										
GUF606	001	0020	3002	2345											
GUF609	001	0010	3003	2348											
GUF612	001	00F0	3004	2353											
GUF615	001	00FF	3005	2028	2038	2066	2592	2688	2884						
GUF618	001	0002	3006	2604	2647	3148									
GUF621	001	0003	3007	2705	2707										
GUF624	001	0001	3008	2148	2581	2637	2723*	3069							
GUF627	001	0002	3009	2072*	2151	2583	2593	2595	2596	2603	2605	2635	2636	2648	2649
				2654	2658	2662	2668*	2670	2671	2671*	2686	2687	2689	2690	2709*
				2710	2711*	2712	3078	3081	3090	3091					
GUF630	001	0003	3010	2632	2643	2656	2663	2672	2674	2676	2676*	2678*	2699	2701*	2703
				2707*	3071	3087									
GUF633	001	0004	3011	2071*	2073*	2158	2696*	2726*	2765*						
GUF636	001	0044	3012	2880	2881	2894	2895								
GUF639	001	0006	3013	2590	2601	2645	2681	3073	3077	3109					
GUF642	002	1A64	3014	2204	2343	2570	2753								
GUF645	004	1A68	3015	1932	2045	2071	2380	2726	2765	3063					
GUF648	002	1A6A	3016	2030	2697*	2757									
GUF651	001	0001	3017	2166	2166	2178	2178	2180	2181	2181*	2182	2184	2184*	2185*	2188*
				2190	2191	2191*	2192*	2207	2209	2215	2218	2360	2367	2373	2772
				2826	2842*	2868	2903*								
GUF654	001	0003	3018	2124	2164	3045	3052								
GUF657	001	0004	3019	2126	2142	2143	2144	2362	2806*	2835*	3062				
GUF660	002	1A6C	3020	2036	2060										
GUF663	002	1A6E	3021	2121	3049										
GUF666	002	1A70	3022	1817											
GUF669	002	1A72	3023	2213	3043										
GUF672	002	1A74	3024	2162											
GUF675	002	1A76	3025	2063	2351	2352	2363	2379	2659	2668	2697	2709	2721	2802	2809
				2810	3047				</						

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SYMBOL	LEN	VALUE	DEFN	REFERENCES
GUF729	004	0E1C	1894	1886
GUF732	004	0E28	1905	1858 1861
GUF735	004	0E2F	1907	
GUF738	004	0E40	1914	1908
GUF741	004	0E4E	1918	1906 1915
GUF744	004	0E55	1920	1917
GUF747	004	0E7A	1930	1923
GUF750	006	0E7E	1931	1927
GUF753	006	0E84	1932	1929
GUF756	004	0E8A	1933	
GUF759	004	0EBE	1947	1939
GUF762	004	0ECA	1953	1919 1925 1937 1941
GUF765	004	0EE3	1959	1954
GUF768	004	0EF1	1963	1960
GUF771	004	0F01	1967	1945 1962
GUF774	004	0F21	1976	1968
GUF777	006	0F2F	1980	1921
GUF780	004	0F35	1981	1970 1977 1979
GUF786	001	0F3F	1987	1883
GUF789	001	0F41	1989	1881
GUF790	001	0F47	1994	1876
GUF810	001	0F4D	1999	1911
GUF813	002	0F54	2004	1936
GUF816	001	0F55	2005	1869
GUF819	001	0F5B	2010	3179
GUF822	006	0D0C	1810	3106
GUF825	006	0D1D	1817	1811
GUF828	004	0D33	1825	
GUF831	006	0D37	1826	1818 1820
GUF834	006	0D41	1832	3093
GUF837	004	1007	2028	1842
GUF840	006	1023	2033	2053
GUF843	004	102C	2035	2075
GUF846	006	104D	2042	1839* 1840* 1841* 2028* 2029* 2030* 2031* 2043 2065*
GUF849	006	105F	2045	2043* 2044*
GUF852	005	1065	2046	2036* 2037* 2038* 2039* 2041
GUF855	004	1086	2052	1838
GUF858	006	108E	2057	2034
GUF861	005	10D2	2069	2060* 2061* 2066* 2067* 2068* 2070
GUF864	005	10DD	2071	2070*
GUF867	001	1A7B	3035	1983 3153
GUF870	004	1A83	3042	3036 3037 3048 3054
GUF873	006	1A9F	3049	3046
GUF876	003	1AB7	3058	3053
GUF879	004	1ABA	3059	3050
GUF882	003	1AE4	3069	3082
GUF885	005	1B01	3078	3072
GUF888	003	1B14	3087	3074
GUF891	005	1B1E	3090	3088 3110
GUF894	004	1B3D	3100	
GUF897	004	1B44	3105	3075
GUF900	004	1B5E	3116	3044 3070 3080
GUF903	004	1B6A	3124	2051 3099 3101
GUF906	004	1B6E	3130	1942* 3108 3111
GUF909	003	1B79	3133	1961*
GUF912	004	1B7C	3134	1974 2297 2300

[illegible]

START ADDRESS	CATEGORY	NAME AND ENTRY	CODE LENGTH HEXADECIMAL	DECIMAL
0C00	0	#GUFUD	1C00	7168
OL100	I	THE TOTAL CORE USED BY #GUFUD IS 7168 DECIMAL.		
OL101	I	THE START CONTROL ADDRESS OF THIS MODULE IS 0C00.		
OL104	I	TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 29		
		NAME-#GUFUD,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-O		
		R1,RETAIN-P,LIBRARY-O		
		DECIMAL.		
OL101	I	THE START CONTROL ADDRESS OF THIS MODULE IS 0C00.		
OL104	I	TOTAL NUMBER OF LIBRARY SECTORS REQUIRED IS 18		
		NAME-#GUFUD,PACK-R1R1R1,UNIT-R1,RETAIN-P,LIBRARY-O		