

OVERLAY MODULE 11 - STANDARD CODING SHEETS

Module 11 holds file names (used by System Enquiry utility), "line-up" command parameters and class names for the "program inhibit" facility (used by the FLAG utility)

The following notes explain how the module may be modified to suit individual installations.

A. LINE-UP COMMAND

Each print queue may be provided with its own line-up parameters within module 11 as follows :

1. Set step (\emptyset -) + (print queue number) = Address of Parameter Block
2. The parameter block consists of any number of 3-word elements, terminated by a word of zeros.
3. Each 3-word element defines one print line

First Word : Byte Address (within Inner Buffer) of first "X" character in line

Second Word: Number of "X" characters to be printed (0 to 132)

Third Word : \emptyset = Form Feed, B17 set = Vertical Tab, $>\emptyset$ = number of line feeds to precede line

B. FILE NAMES

The System Enquiry utility will display file allocation data against those files listed within module 11 as follows :

1. Set step ($1\emptyset\emptyset$ -) + (File Identifier) = Byte Address of ASCII name
2. The ASCII is 14 characters maximum and should be terminated by NUL.

Notes: The SE utility will ignore files other than DIRECT ACCESS, and assumes that the count of live records is maintained in the First Word of the File Status Block.

C. INHIBIT CLASS NAMES

The FLAG utility will display the class name against the class number, and allow switching of the class status, where listed within module 11 as follows:

1. Set step ($175\emptyset$ -) + (class number) = Byte Address of ASCII name
2. The ASCII is 26 characters maximum and should be terminated by NUL

Sheet

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OS-11 LINE-UP PrintQ Table (Range 1-63) Date:-

Step	Instruction	Address	Comment	Octal	Step
00	JUMP	1700			00
01			PRINTQ 1	0200-	01
02			2		02
03			3		03
04			4		04
05			5		05
06			6		06
07			7		07
10			8		10
11			9		11
12			10		12
13			11		13
14			12		14
15			13		15
16			14		16
17			15		17
20			16		20
21			17		21
22			18		22
23			19		23
24			20		24
25			21		25
26			22		26
27			23		27
30			24		30
31			25		31
32			26		32
33			27		33
34			28		34
35			29		35
36			30		36
37			31		37
40			32		40
41			33		41
42			34		42
43			35		43
44			36		44
45			37		45
46			38		46
47			39		47
50			40		50
51			41		51
52			42		52
53			43		53
54			44		54
55			45		55
56			46		56
57			47		57
60			48		60
61			49		61
62			50		62
63			51		63
64			52		64
65			53		65
66			54		66
67			55		67
70			56		70
71			57		71
72			58		72
73			59		73
74			60		74
75			61		75
76			62		76
77			63		77

Programmer:-

OS-11 File Name Table (System Engineer)

(14 class Hex)

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Step	Instruction	Address	Comment	Octal	Step
00			→ "PRINT SPOOL"	1600-	00
01					01
02			→ "PGM LIBRARY"	1606-	02
03					03
04					04
05					05
06					06
07			→ "CATALOGUE"	1670 ₂ -	07
10					10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
20					20
21					21
22					22
23					23
24					24
25					25
26					26
27					27
30					30
31					31
32					32
33					33
34					34
35					35
36					36
37					37
40					40
41					41
42					42
43					43
44					44
45					45
46					46
47					47
50					50
51			→ "SUPPLIERS"	1614-	51
52					52
53			→ "PURCH. TRANS."	1621-	53
54					54
55					55
56					56
57					57
60					60
61					61
62					62
63					63
64					64
65			→ "NON. MAIN/SUB"	1630-	65
66			→ "NON. SUB/SUB"	1637-	66
67			→ "NON. TRANS."	1645 ₂ -	67
70					70
71					71
72					72
73					73
74					74
75					75
76					76
77					77

Programmer:-

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Step	Instruction	Address	Comment	Octal	Step
00			{ 3600-		00
01			{ 132 clear	000204	01
02			{ Form Feed	000000	02
03			{ 3600-		03
04			{ 132 clear	000204	04
05			{ 1LF	000001	05
06			{ 3600-		06
07			{ 132 clear	000204	07
10			{ 1LF	000001	10
11			{ 3600-		11
12			{ 132 clear	000204	12
13			{ 1LF	000001	13
14			{ 3600-		14
15			{ 132 clear	000204	15
16			{ 1LF	000001	16
17				000000	17
20					20
21					21
22					22
23					23
24					24
25					25
26					26
27					27
30					30
31					31
32					32
33					33
34					34
35					35
36					36
37					37
40					40
41					41
42					42
43					43
44					44
45					45
46					46
47					47
50					50
51					51
52					52
53					53
54					54
55					55
56					56
57					57
60					60
61					61
62					62
63					63
64					64
65					65
66					66
67					67
70					70
71					71
72					72
73					73
74					74
75					75
76					76
77					77

Programmer :-

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Step	Instruction	Address	Comment	Octal	Step
00	JSR	IL 1670	FETCH & LINK * DS70		00
01	P ₁ = 002002		Daily Security		01
02	P ₂ = 0/0206		Module 006		02
03	P ₃ = 1520-		→ Title "UNIT 70 DAILY"		03
04	P ₄ = 0/1300		→ Password 1		04
05	P ₅ = 1564-		→ Place 1 (Copy FIXED)		05
06	P ₆ = 1556-		→ Place 2 (Copy EXCH.)		06
07					07
10	JSR	IL 1670	FETCH & LINK * SS70		10
11	P ₁ = 002002		Special Security		11
12	P ₂ = 0/0206		Module 006		12
13	P ₃ = 1530-		→ Title "UNIT 70 SPECIAL"		13
14	P ₄ = 0/1300		→ Password 1		14
15	P ₅ = 1575-		→ Place 1 (Copy FIXED)		15
16	P ₆ = 1572-		→ Place 2 (Copy EXCH.)		16
17					17
20					20
21					21
22					22
23					23
24					24
25					25
26					26
27					27
30					30
31					31
32					32
33					33
34					34
35					35
36					36
37					37
40					40
41					41
42					42
43					43
44					44
45					45
46					46
47					47
50					50
51					51
52					52
53					53
54					54
55					55
56			(D1600, 2 copies	032002	56
57			MASTER DISC	000010	57
60			EXCH. (Daily) COPY 1	000011	60
61			COPY 2	000012	61
62			3	000013	62
63			4	000014	63
64			(D1600, 2 copies	032001	64
65			MASTER DISC	000027	65
66			FIXED (Daily) COPY 1	000021	66
67			COPY 2	000022	67
70			3	000023	70
71			4	000024	71
72			(D1600, 1	030000	72
73			EXCH. (Special) MASTER DISC	000010	73
74			COPY 1	000016	74
75			(D1600, 1	030000	75
76			FIXED (Special) MASTER DISC	000027	76
77			COPY 1	000026	77

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Step	Instruction	Address	Comment	Octal	Step
00					00
01					01
02					02
03			Print Spool	P R	03
04				I N	04
05				T SP	05
06				S P	06
07				O O	07
10			Page Library	L NUL	10
11				P G	11
12				M SP	12
13				L I	13
14				B R	14
15			Suppliers	A R	15
16				Y NUL	16
17				S U	17
20				P P	20
21				L I	21
22			Petroleum Transactions	E R	22
23				S NUL	23
24				P U	24
25				R C	25
26				H .	26
27			Manned Plain Sale	SP T	27
30				R A	30
31				N S	31
32				. NUL	32
33				N O	33
34			Manned Sale/Sale	M .	34
35				SP M	35
36				A I	36
37				N +	37
40				S U	40
41			Manned Transactions	B NUL	41
42				N O	42
43				M .	43
44				SP S	44
45				U B	45
46			Programs Utilities	I S	46
47				U B	47
50				NUL N	50
51				O M	51
52				I N	52
53			Programs Utilities	A L	53
54				SP T	54
55				R A	55
56				N S	56
57				. NUL	57
60			Programs Utilities	P R	60
61				O G	61
62				R A	62
63				H M	63
64				E R	64
65			Programs Utilities	S ?	65
66				SP U	66
67				T I	67
70				L I	70
71				T I	71
72			Programs Utilities	E S	72
73				NUL C	73
74				A T	74
75				A L	75
76				O G	76
77			U E	77	
			NUL		

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Step	Instruction	Address	Comment	Octal	Step
00	LDA	Z 0154	= Control Word		00
01	ANDA	Z 0375	000177		01
02	CISA/OMSA				02
03	JSBR	Z 1630	Parameter Offset		03
04	LDA	I2 A	→ Parameter Block		04
05	JSBR	Z 1630	Parameter Offset		05
06	STA	1777	Parameter Pointer		06
07	HND				07
10	JUMP	Z 1406	to Control Word - No loop-up then OK		10
11	→ LDA	I 1777	= Print Pos'n to NEXT line		11
12	AND				12
13	JUMP	Z 1406	to Control Word - end of list.		13
14	→ STA	1731	Print Pos'n.		14
15	STA	1736			15
16	LRA/INCA		} add one byte.		16
17	RRA				17
20	STA	1737	Print Pos'n + 1		20
21	INSZ	1777			21
22	LDA	I 1777	= Length (chars)		22
23	INSZ	1777			23
24	AND				24
25	JUMP	1741	Bypass		25
26	→ STA	1740			26
27	LDA	1776	"NUL X"		27
30	JSBR	I2 1775	STORE BYTE		30
31	P. = /				31
32	DESZ	1740	Count of Chars.		32
33	SKIP				33
34	→ JUMP	1741	Bypass - skip over 'X'		34
35	JSBR	I2 1741	above & pad. // separate character		35
36	P. = /				36
37	P. = /				37
40	P. = /				40
41	LDA	I 1777	= Control Word		41
42	JSBR	I2 1644	Offset from		42
43	INSZ	1777			43
44	JUMP.	1711	Auto next line.		44
45					45
46					46
47					47
50					50
51		1	→ "MOLEXTENS' UTILITIES" 1655-		51
52		2			52
53		3			53
54		4			54
55		5			55
56		6			56
57		7			57
60	→ INHIBIT	8			60
61	CLASS	9			61
62	NAMES	10			62
63		11			63
64		12			64
65		13			65
66		14			66
67		15			67
70		16			70
71		17			71
72					72
73					73
74					74
75					75
76				NUL X	76
77			Parameter Pointer		77