Appendix F – OSBYTE/ *FX Call Summary

dec.	hex.	function
0	0	Identify OS version
1	1	Set the user flag
2	2	Select input stream
3	3	Select output stream
4	4	Enable/disable cursor editing
5	5	Select printer destination
6	6	Set character ignored by printer
7	7	Set RS423 baud rate for receiving data
8	8	Set RS423 baud rate for data transmission
9	9	Set flashing colour mark state
10	A	Set flashing colour space state
11	B	Set keyboard auto-repeat delay
12	C	Set keyboard auto-repeat rate
13	D	Disable events
14	E	Enable events
15	F	Flush selected buffer class
16	10	Select ADC channels to be sampled
17	11	Force an ADC conversion
18	12	Reset soft keys
19	13	Wait for vertical sync
20	14	Explode soft character RAM allocation
21	15	Flush specific buffer
22	16	Electron increment ROM polling semaphore
23	17	Electron decrement ROM polling semaphore
24	18	Electron change sound system.
50	32	Econet poll transmit block
51	33	Econet poll receive block
52	34	Econet delete receive block
53	35	Econet sever remote connection
111	6F	Aries RAM board OSBYTE
115	73	Electron blanklrestore palette
116	74	Electron reset internal sound system
117	75	Read VDU status
118	76	Reflect keyboard status in LEDs

119	77	Close any SPOOL or EXEC files
120	78	Write current keys pressed information
121	79	Perform keyboard scan
122	7A	Perform keyboard scan from 16 (&10)
123	7B	Inform OS, printer driver going dormant
124	7C	Clear ESCAPE condition
125	7D	Set ESCAPE condition
126	7E	Acknowledge detection of ESCAPE condition
127	7F	Check for EOF on an open file
128	80	Read ADC channel or get buffer status
129	81	Read key with time limit
130	82	Read machine high order address
131	83	Read top of OS RAM address (OSHWM)
132	84	Read bottom of display RAM address (HIMEM)
133	85	Read bottom of display address, given MODE
134	86	Read text cursor position (POS and VPOS)
135	87	Read character at cursor position + MODE
136	88	Perform *CODE
137	89	Perform *MOTOR
138	8A	Insert value into buffer
139	8B	Perform *OPT
140	8C	Perform *TAPE
141	8D	Perform *ROM
142	8E	Enter language ROM
143	8F	Issue paged ROM service call
144	90	Perform *TV
145	91	Get character from buffer
146	92	Read from FRED, 1 MHz bus
147	93	Write to FRED, 1 MHz bus
148	94	Read from JIM, 1 MHz bus
149	95	Write to JIM, 1 MHz bus
150	96	Read from SHEILA, mapped I/O
151	97	Write to SHEILA, mapped I/O
152	98	Examine buffer status
153	99	Insert character into input buffer
154	9A	Write to video ULA control register and copy
155	9B	Write to video ULA palette register and copy
156	9C	Read/write 6850 control register and copy
157	9D	Fast Tube BPUT
158	9E	Read from speech processor
159	9F	Write to speech processor
160	A0	Read VDU variable value

166	A6	Read address of OS variables (low byte)
167	A7	Read address of OS variables (high byte)
168	A8	Read address of ROM pointer table (low byte)
169	A9	Read address of ROM pointer table (high byte)
170	AA	Read address of ROM info table (low byte)
171	AB	Read address of ROM info table (high byte)
172	AC	Read address of key transl. table (low byte)
173	AD	Read address of key transl. table (high byte)
174	AE	Read address of OS VDU variables (low byte)
175	AF	Read address of OS VDU variables (high byte)
176	B0	Read/write CFS timeout counter
177	B1	Read/write input source
178	B2	Undefined
179	B3	Read/write primary OSHWM
180	B4	Read current OSHWM
181	B5	Read/write RS423 mode
182	B6	Read character definition explosion state
183	B7	Read cassette/ROM filing system switch
184	B8	BBC Read RAM copy of video ULA control register
		Electron undefined
185	B9	BBC Read RAM copy of video ULA palette register
		Electron read/write paged ROM service call semaphore
186	BA	Read ROM number active at last BRK
187	BB	Read number of ROM socket containing BASIC
188	BC	Read current ADC channel
189	BD	Read maximum ADC channel number
190	BE	Read ADC conversion type
191	BF	Read/write RS423 use flag
192	C0	Read RS423 control flag
193	C1	Read/write flash counter
194	C2	Read/write space period count
195	C3	Read/write mark period count
196	C4	Read/write keyboard auto-repeat delay
197	C5	Read/write keyboard auto-repeat period
198	C6	Read *EXEC file handle
199	C7	Read/write *SPOOL file handle
200	C8	Read/write ESCAPE, BREAK effect
201	C9	Read/write Econet keyboard disable
202	CA	Read/write keyboard status byte
203	CB	Read/write RS423 handshake extent

204	CC	Read/write RS423 input supression flag
205	CD	Read/write cassette/RS423 selection flag
206	CE	Read/write Econet OS call interception status
207	CF	Read/write Econet OSRDCH interception status
208	D0	Read/write Econet OSWRCH interception status
209	D1	Read/write speech suppression status
210	D2	Read/write sound suppression status
211	D3	Read/write BELL channel
212	D4	Read/write BELL envelope numberlamplitude
213	D5	Read/write BELL frequency
214	D6	Read/write BELL duration
215	D7	Read/write startup message and !BOOT options
216	D8	Read/write length of soft key string
217	D9	Read/write lines printed since last page
218	DA	Read/write number of items in VDU queue
219	DB	Read/write TAB character value
220	DC	Read/write ESCAPE character value
221	DD	Read/write character &C0 to &CF status
222	DE	Read/write character &D0 to &DF status
223	DF	Read/write character &E0 to &EF status
224	E0	Read/write character &F0 to &FF status
225	E1	Read/write function key status
226	E2	Read/write SHIFT+function key status
227	E3	Read/write CTRL+function key status
228	E4	Read/write CTRL+SHIFT —I-function key status
229	E5	Read/write ESCAPE key status
230	E6	Read/write flags determining ESCAPE effects
231	E7	BBC Read/write IRQ bit mask for user 6522
		Electron reserved
232	E8	BBC Read/write IRQ bit mask for 6850
		Electron Read/write sound semaphore
233	E9	BBC Read/write IRQ bit mask for system 6522
		Electron Read/ vrite soft key pointer
234	EA	Read flag indicating Tube presence
235	EB	Read speech processor presence flag
236	EC	Read/write WRCH destination status
237	ED	Read/write cursor editing status
238	EE	Read/write OS workspace byte
239	EF	Read/write OS workspace byte
240	F0	Read country code
241	F1	Read/write user flag
242	F2	BBC Read RAM copy of serial processor ULA
		Electron read RAM copy of &FE07
243	F3	Read timer switch state
244	F4	Read/write soft key consistency flag

245	F5	Read/write printer destination flag
246	F6	Read/write character ignored by printer
247	F7	Read/write BREAK intercept code, Ist byte
248	E8	Read/write BREAK intercept code, 2nd byte
249	F9	Read/write BREAK intercept code, 3rd byte
250	FA	Read/write OS workspace byte
251	FB	Read/write OS workspace byte
252	FC	Read/write current language ROM number
253	FD	Read/write last BREAK type
254	FE	Read/write available RAM
255	FF	Read/write start up options