

# **FOREIGN BROADCAST INFORMATION SERVICE**

**CONCEPT DEFINITION PHASE**

**FACILITY REQUIREMENTS**

**NOVEMBER 1-2, 1984**

**XEROX SPECIAL INFORMATION SYSTEMS**

**Xerox Special Information Systems**

This is a detailed report of the facility requirements for the Xerox approach to FBIS Modernization.

The requirements are broken down by location. Within each location, the DBMS, Communications and Processing are separated since they could possibly be installed in different areas. This report should be used for estimating and budgeting only since some small items that have little impact on the whole picture are not included.

The values in the processing charts have not been extended since the processing equipment will be spread around the facility.

The DBMS for the classified system will require a screen room. The rest of the classified system can be out of the screen room.

Extended weight is included for shipping estimates.

## Headquarters Unclassified DBMS Sub-System

Name	#	Electrical Requirements				Thermal Dissipation		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX780 Cluster	1	240	50	10.8	10.8	2,060	2,060	46.5	46	30.0	1,005	1,005
Star Coupler	1	0	0	0.0	0	0	0	21.0	21	30.0	150	150
RA81 3-Pack	49	240	50	10.2	499.8	1,934	94,766	21.3	1,043	36.0	659	32,291
TU78	1	240	50	10.2	10.2	1,960	1,960	27.3	27	30.0	630	630
HSC50	2	240	50	12.0	24	1,931	3,862	21.3	42	35.0	450	900
TSP	2	120	60	30.0	60	470	940	58.0	116	35.0	1,000	2,000

### Headquarters Unclassified Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	300	115	60	12.0	600	12.0	30.0	152	45,600
Workstation Display	300	115	60	3.4	400	17.0	15.0	60	18,000
Printer Server Processor	33	115	60	12.0	600	12.0	30.0	152	5,016
Printer Server Printer	33	115	60	11.5	1,327	22.0	26.0	262	8,646
Mail Server Processor	10	115	60	12.0	600	12.0	30.0	152	1,520
Mail Gateway Processor	6	115	60	12.0	600	12.0	30.0	152	912
T300 Disk Drive	20	208	60	25.0	1,055	19.5	33.5	480	9,600

### Headquarters Classified DBMS Sub-System

Name	#	Electrical Requirements				Thermal Dissipation		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX780 Cluster	1	240	50	10.8	10.8	2,060	2,060	46.5	46	30.0	1,005	1,005
Star Coupler	1	0	0	0.0	0	0	0	21.0	21	30.0	150	150
RA81 3 Pack	49	240	50	10.2	499.8	1,934	94,766	21.3	1,043	36.0	659	32,291
TU78	1	240	50-60	10.2	10.2	1,960	1,960	27.3	27	30.0	630	630
HSC50	2	240	50	12.0	24	1,931	3,862	21.3	42	35.0	450	900
TSP	2	120	60	30.0	60	470	940	58.0	116	35.0	1,000	2,000

### Headquarters Classified Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	50	115	60	12.0	600	12.0	30.0	152	7,600
Workstation Display	50	115	60	3.4	400	17.0	15.0	60	3,000
Printer Server Processor	6	115	60	12.0	600	12.0	30.0	152	912
Printer Server Printer	6	115	60	11.5	1,327	22.0	26.0	262	1,572
Mail Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail Gateway Processor	2	115	60	12.0	600	12.0	30.0	152	304
T300 Disk Drive	4	208	60	25.0	1,055	19.5	33.5	480	1,920

### JPRS Writer's Workbench Sub-System

Name	#	Electrical Requirements				Thermal Dissipation		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA81	2	240	50	3.4	6.8	644	1,288	N/A	N/A	N/A	148	296
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225
Disk Drive Cabinet	1	0	0	0.0	0	0	0	21.3	21	36.0	215	215

## Okinawa DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Extend ed Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX780	1	240	50	10.8	10.8	2,060	2,060	46.5	46	30.0	1,005	1,005
Unibus expansion cabinet	1	240	50-60	4.7	4.7	900	900	26.3	26	31.5	350	350
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81	2	240	50	3.4	6.8	644	1,288	N/A	N/A	N/A	148	296
Disk drive cabinet	1	240	50	0.0	0	0	0	21.3	21	36.0	93	93
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Okinawa Communications Sub-System

Name	#	Electrical Requirements				Power			Physical Size			
		VAC	HZ	Amps	Extend ed Amps	BTU/HR	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight
Receiver	72	115	48-410	1.0	72	371	108	7,776	19.0	19.4	35	2,520
Matrix Switch	6	105	47-63	1.0	6	371	108	648	19.0	15.0	40	240
Audio Recorder	144	117	50/60	1.0	144	171	50	7,200	15.0	20.0	17	2,448
MicroVAX	1	120	60	2.4	2.4	785	230	230	19.0	25.3	53	53

## Okinawa Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	44	115	60	12.0	600	12.0	30.0	152	6,688
Workstation Display	44	115	60	3.4	400	17.0	15.0	60	2,640
Print Server Processor	6	115	60	12.0	600	12.0	30.0	152	912
Print Server Printer	6	115	60	11.5	1,327	22.0	26.0	262	1,572
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920



## Abidjan DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Abidjan Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	12	115	48-410	1.0	12	108	1,296	19.0	19.4	35	420	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	24	117	50/60	1.0	24	50	1,200	15.0	20.0	17	408	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Abidjan Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	15	115	60	12.0	600	12.0	30.0	152	2,280
Workstation Display	15	115	60	3.4	400	17.0	15.0	60	900
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Jordan DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Jordan Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	21	115	48-410	1.0	21	108	2,268	19.0	19.4	35	735	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	42	117	50/60	1.0	42	50	2,100	15.0	20.0	17	714	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Jordan Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	14	115	60	12.0	600	12.0	30.0	152	2,128
Workstation Display	14	115	60	3.4	400	17.0	15.0	60	840
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Paraguay DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Paraguay Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	20	115	48-410	1.0	20	108	2,160	19.0	19.4	35	700	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	40	117	50/60	1.0	40	50	2,000	15.0	20.0	17	680	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Paraguay Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	16	115	60	12.0	600	12.0	30.0	152	2,432
Workstation Display	16	115	60	3.4	400	17.0	15.0	60	960
Print Server Processor	5	115	60	12.0	600	12.0	30.0	152	760
Print Server Printer	5	115	60	11.5	1,327	22.0	26.0	262	1,310
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Bangkok DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX750	1	240	50	5.8	5.8	1,062	1,062	29.0	29	31.5	440	440
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	.165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Bangkok Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	41	115	48-410	1.0	41	108	4,428	19.0	19.4	35	1,435	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	82	117	50/60	1.0	82	50	4,100	15.0	20.0	17	1,394	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Bangkok Distributed Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	33	115	60	12.0	600	12.0	30.0	152	5,016
Workstation Display	33	115	60	3.4	400	17.0	15.0	60	1,980
Print Server Processor	5	115	60	12.0	600	12.0	30.0	152	760
Print Server Printer	5	115	60	11.5	1,327	22.0	26.0	262	1,310
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920



### Hong Kong DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX750	1	240	50	5.8	5.8	1,062	1,062	29.0	29	31.5	440	440
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

### Hong Kong Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	13	115	48-410	1.0	13	108	1,404	19.0	19.4	35	455	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	26	117	50/60	1.0	26	50	1,300	15.0	20.0	17	442	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Hong Kong Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	35	115	60	12.0	600	12.0	30.0	152	5,320
Workstation Display	35	115	60	3.4	400	17.0	15.0	60	2,100
Print Server Processor	5	115	60	12.0	600	12.0	30.0	152	760
Print Server Printer	5	115	60	11.5	1,327	22.0	26.0	262	1,310
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Key West DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	29.0	29	31.5	440	440
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Key West Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	8	115	48-410	1.0	8	108	864	19.0	19.4	35	280	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	16	117	50/60	1.0	16	50	800	15.0	20.0	17	272	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

## Key West Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	8	115	60	12.0	600	12.0	30.0	152	1,216
Workstation Display	8	115	60	3.4	400	17.0	15.0	60	480
Print Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Print Server Printer	2	115	60	11.5	1,327	22.0	26.0	262	524
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## London DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX780	1	240	50	10.8	10.8	2,060	2,060	46.5	46	30.0	1,005	1,005
Unibus expansion cabinet	1	240	50-60	4.7	4.7	900	900	26.3	26	31.5	350	350
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	2	240	50	10.2	20.4	1,934	3,868	21.3	42	36.0	659	1,318
RA81	1	240	50	3.4	3.4	644	644	N/A	N/A	N/A	148	148
Disk drive cabinet	1	240	50	0.0	0	0	0	21.3	21	36.0	93	93
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

### London Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size			
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight
Receiver	0	115	48-410	1.0	0	108	0	19.0	19.4	35	0
Matrix Switch	0	105	47-63	1.0	0	108	0	19.0	15.0	40	0
Audio Recorder	0	117	50/60	1.0	0	50	0	15.0	20.0	17	0
MicroVAX	0	120	60	2.4	0	230	0	19.0	25.3	53	0

### London Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	8	115	60	12.0	600	12.0	30.0	152	1,216
Workstation Display	8	115	60	3.4	400	17.0	15.0	60	480
Print Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Print Server Printer	2	115	60	11.5	1,327	22.0	26.0	262	524
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Gulf DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Gulf Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	12	115	48-410	1.0	12	108	1,296	19.0	19.4	35	420	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	24	117	50/60	1.0	24	50	1,200	15.0	20.0	17	408	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Gulf Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	17	115	60	12.0	600	12.0	30.0	152	2,584
Workstation Display	17	115	60	3.4	400	17.0	15.0	60	1,020
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920



## Swaziland DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Swaziland Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	15	115	48-410	1.0	15	108	1,620	19.0	19.4	35	525	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	30	117	50/60	1.0	30	50	1,500	15.0	20.0	17	510	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

## Swaziland Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	13	115	60	12.0	600	12.0	30.0	152	1,976
Workstation Display	13	115	60	3.4	400	17.0	15.0	60	780
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Nicosia DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	21.3	21	31.5	348	348
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Nicosia Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	21	115	48-410	1.0	21	108	2,268	19.0	19.4	35	735	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	42	117	50/60	1.0	42	50	2,100	15.0	20.0	17	714	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

## Nicosia Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	20	115	60	12.0	600	12.0	30.0	152	3,040
Workstation Display	20	115	60	3.4	400	17.0	15.0	60	1,200
Print Server Processor	4	115	60	12.0	600	12.0	30.0	152	608
Print Server Printer	4	115	60	11.5	1,327	22.0	26.0	262	1,048
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Panama DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX750	1	240	50	5.8	5.8	1,062	1,062	29.0	29	31.5	440	440
Unibus expansion cabinet	1	240	50-60	4.7	4.7	900	900	26.3	26	31.5	350	350
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
RA81	2	240	50	3.4	6.8	644	1,288	N/A	N/A	N/A	148	296
Disk drive cabinet	1	240	50	0.0	0	0	0	21.3	21	36.0	93	93
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Panama Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size			
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight
Receiver	47	115	48-410	1.0	47	108	5,076	19.0	19.4	35	1,645
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160
Audio Recorder	94	117	50/60	1.0	94	50	4,700	15.0	20.0	17	1,598
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53

## Panama Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	23	115	60	12.0	600	12.0	30.0	152	3,496
Workstation Display	23	115	60	3.4	400	17.0	15.0	60	1,380
Print Server Processor	5	115	60	12.0	600	12.0	30.0	152	760
Print Server Printer	5	115	60	11.5	1,327	22.0	26.0	262	1,310
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

## Seoul DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	29.0	29	31.5	440	440
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Seoul Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	24	115	48-410	1.0	24	108	2,592	19.0	19.4	35	840	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	48	117	50/60	1.0	48	50	2,400	15.0	20.0	17	816	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

### Seoul Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	18	115	60	12.0	600	12.0	30.0	152	2,736
Workstation Display	18	115	60	3.4	400	17.0	15.0	60	1,080
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920



## Tel Aviv DBMS Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX730	1	240	50	4.5	4.5	854	854	29.0	29	31.5	440	440
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	1	240	50	10.2	10.2	1,934	1,934	21.3	21	36.0	659	659
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

## Tel Aviv Communications Sub-System

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	13	115	48-410	1.0	13	108	1,404	19.0	19.4	35	455	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	26	117	50/60	1.0	26	50	1,300	15.0	20.0	17	442	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

## Tel Aviv Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	17	115	60	12.0	600	12.0	30.0	152	2,584
Workstation Display	17	115	60	3.4	400	17.0	15.0	60	1,020
Print Server Processor	3	115	60	12.0	600	12.0	30.0	152	456
Print Server Printer	3	115	60	11.5	1,327	22.0	26.0	262	786
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920

**Austria DBMS Sub-System**

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Extended Width	Depth in.	Weight lbs.	Extended Weight
VAX780	1	240	50	10.8	10.8	2,060	2,060	46.5	46	30.0	1,005	1,005
RA60 (in TU80 rack)	1	240	50-60	3.7	3.7	703	703	N/A	N/A	N/A	165	165
RA81 3-Pack	2	240	50	10.2	20.4	1,934	3,868	21.3	42	36.0	659	1,318
TU80	1	240	50	2.6	2.6	500	500	21.3	21	30.0	225	225

**Austria Communications Sub-System**

Name	#	Electrical Requirements				Power		Physical Size				
		VAC	HZ	Amps	Ex- tended Amps	Watts	Extended Watts	Width in.	Depth in.	Weight lbs.	Extended Weight	
Receiver	32	115	48-410	1.0	32	108	3,456	19.0	19.4	35	1,120	
Matrix Switch	4	105	47-63	1.0	4	108	432	19.0	15.0	40	160	
Audio Recorder	64	117	50/60	1.0	64	50	3,200	15.0	20.0	17	1,088	
MicroVAX	1	120	60	2.4	2.4	230	230	19.0	25.3	53	53	

## Austria Processing Sub-System

Name	#	Electrical Requirements			Power in Watts	Physical Size			
		VAC	HZ	Amps		Width in.	Depth in.	Weight lbs.	Extended Weight
Workstation Processor	34	115	60	12.0	600	12.0	30.0	152	5,168
Workstation Display	34	115	60	3.4	400	17.0	15.0	60	2,040
Print Server Processor	5	115	60	12.0	600	12.0	30.0	152	760
Print Server Printer	5	115	60	11.5	1,327	22.0	26.0	262	1,310
Mail Gateway	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server Processor	2	115	60	12.0	600	12.0	30.0	152	304
Mail/File Server T300 Disk Drive	4	208	60	25.0	1,055	12.0	30.0	480	1,920