EXHIBIT C: PROJECT USER EQUIPMENT LIST

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EQUIPMENT QUANTITY SUMMARY

Equipment Description	SFPD	SFFD	DPH	DPT	Sheriff	Water	RecPark	OES	Other	Totals
User Equipment										
Radio Units	1955	510	136	450	794	48	136	23	146	4198
Portables	1540	230	90	364	700	46	39	20	71	3100
MTS2000, Model I, w/o Kpd.	0	0	0	309	650	39	27	0	50	1075
ASTRO XTS3000, Model I, w/o Kpd.	1275	0	0	0	0	0	0	17	0	1292
ASTRO SABER, Model I, w/o Kpd, Ruggedized.	0	199	0	0	0	0	0	0	0	199
ASTRO XTS3000, Model I, w/o Kpd, w/Encrypt.	0	0	60	0	0	0	0	0	0	60
MTS2000, Model III, w/Kpd.	0	0	0	55	50	7	0		21	133
ASTRO XTS3000, Model III, w/Kpd.	175	0	0	0	0	0	0	3	0	178
ASTRO SABER, Model II, w/Kpd, Ruggedized.	0	25	0	0	0	0	0	0	0	25
ASTRO XTS3000,Model III, w/Kpd, w/ Encrypt.	90	0	30	0	0	0	12	0	0	132
ASTRO SABER, Model II, w/Kpd, w/ Encrypt, Ruggedized.	0	6	0	0	0	0	0	0	0	6
Mobiles	385	230	30	81	80	0	96	3	50	955
Dash Mount	274	0	30	81	80	0	96	3	50	614
MCS2000, Model II, w/o Kpd, Dash Mount.	0	0	0	0	0	0	0	0	0	0
ASTRO Spectra, Model A4, w/o Kpd, Dash Mount.	0	0	0	0	0	0	0	0	0	0
ASTRO Spectra, Model A4, w/o Kpd, Encrypt, Dash Mount.	0	0	0	0	0	0	0	0	0	0
MCS2000, Model III, w/Kpd, Dash Mount.	0	0	0	81	80	0	92	0	50	303
ASTRO Spectra, Model A7, w/Kpd, Dash Mount	249	0	0	0	0	0	0	3	0	252
ASTRO Spectra, Model A7, w/Kpd, Encrypt, Dash Mount	25	0	30	0	0	0	04	0	0	59
Trunk Mount	111	230	0	0	0	0	0	0	0	341
MCS2000, Model II, w/o Kpd, Trunk Mount.	0	0	0	0	0	0	0	0	0	0
ASTRO Spectra, Model A4, w/o Kpd, Trunk Mount.	0	0	0	0	0	0	0	0	0	0
ASTRO Spectra, Model A4, w/o Kpd, Encrypt, Trunk Mount.	0	0	0	0	0	0	0	0	0	0
MCS2000, Model III, w/Kpd, Trunk Mount.	0	0	0	0	0	0	0	0	0	0
ASTRO Spectra, Model A7, w/Kpd, Trunk Mount.	111	230	0	0	0	0	0	0	0	341
ASTRO Spectra, Model A7,	0	0	0	0	0	0	0	0	0	0

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Equipment Description	SFPD	SFFD	DPH	DPT	Sheriff	Water	RecPark	OES	Other	Totals
w/Kpd, Encrypt, Trunk Mount.										

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Equipment Description	SFPD	SFFD	DPH	DPT	Sheriff	Water	RecPark	OES	Other	Totals
Control Stations	30	50	16	5	14	2	5	15	10	147
ASTRO Spectra Consolette, w/Kpd	0	50	0	5	14	2	0	0	10	81
ASTRO Spectra Consolette, w/Kpd, Encrypt.	30	0	16	0	0	0	5	15	0	66
Accessories										
Portables										
Battery	600	115	45	100	0	25	5	10	14	928
Charger, single	225	25	30	55	61	14	5	3	17	435
Charger, 6 unit	226	20	10	43	85	6	5	3	15	413
Shoulder Mike	1540	250	90	364	700	46	29	20	100	3139
Belt Clips	400	230	90	364	100	46	10	20	100	1360
Holsters	1540	0	90	364	700	0	39	0	100	2833
Antenna	1540	230	90	364	700	46	39	20	100	3129

Equipment Description	SFPD	SFFD	DPH	DPT	Sheriff	Water	RecPark	OES	Other	Totals
Console Equipment	CCE2	CCE2	CCE2	CCE1	CCE1	CCE1	N/A	CCE2	BOTH	
Centracom Gold Elite										
Consoles	16	8	6	4	1	1	0	6	4	46
Local	16	8	6	0	0	0	0	6	3	39
Remote	0	0	0	4	1	1	0	0	1	7
Switched	0	0	0	0	0	0	0	0	0	0
Expansion Port	0	0	0	0	0	0	0	8	10	18
Local	0	0	0	0	0	0	0	4	10	14
Remote	0	0	0	0	0	0	0	4	0	4
Switched	0	0	0	0	0	0	0	0	0	0
System Managers	0	0	0	0	0	0	0	0	17 [22]	17 [22]
RCSM Console Data Base Manager see note CDBM	0	0	0	0	0	0	0	0	[3]	[3]
Local	0	0	0	0	0	0	0	0	[2]	[2]
Remote	0	0	0	0	0	0	0	0	[1]	[1]
MTSM Moscad Fault Manager see note MTSN	0	0	0	0	0	0	0	0	[8]	[8]
Local	0	0	0	0	0	0	0	0	See note [3]	[3]
Remote	0	0	0	0	0	0	0	0	[5]	[5]
TRSM SmartZone Network Manager	0	0	0	0	0	0	0	0	6	6
Local	0	0	0	0	0	0	0	0	1	1
Remote	0	0	0	0	0	0	0	0	5	5
CERSM Moscad Fault Manager	0	0	0	0	0	0	0	0	11	11
Remote Terminals	0	0	0	0	0	0	0	0	6	6
Switched (portable)	0	0	0	0	0	0	0	0	5	5
System Manager Prntr	0	0	0	0	0	0	0	0	21	21
RCSM Expansion Ports	0	0	0	0	0	0	0	1	0	1
Local	0	0	0	0	0	0	0	1	0	1
Remote	0	0	0	0	0	0	0	0	0	0
Switched	0	0	0	0	0	0	0	0	0	0

Notes: CDBM-- The Console Data Base Manager and Alias Database Manager requires no hardware. It is software that operates on the maintenance operators position at CRS, CECC, and RMF.

MTSM- This is a software package only, operating on provided MOSCAD terminal.

Items between brackets [ ] are application software only.

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Equipment Description	SFPD	SFFD	DPH	DPT	Sheriff	Water	RecPark	OES	Other	Totals
Accessories										
Consoles										
17" touch screen	16	8	6	4	1	1	0	6	4	46
14" touch screen	0	0	0	0	0	0	0	0	0	0
Rack Mounted Screen	0	0	0	0	0	0	0	0	0	0
Desktop Mic, PTT	0	0	0	0	1	0	0	4	3	8
Headset, PTT	43	16	6	4	1	1	0	6	3	80
Headset, non-PTT	0	0	0	0	0	0	0	0	0	0
Footswitch	16	8	6	4	1	1	0	6	4	46
Pers. Utility Control	16	8	6	4	1	1	0	6	4	46
Jack Box	70	16	12	8	2	2	0	12	8	130
Mouse	16	8	6	4	1	1	0	6	4	46
Keyboard	16	8	6	4	1	1	0	6	4	46
User Ids	330	52	106	30	10	10	n/a	10	32	580
Remote Control Units	0	0	0	0	0	19	0	0	15	34
RTS/CTS	16	0	0	0	0	0	0	0	0	16
PSTN Interfaces	2	2	2	0	0	0	0	2	0	8
Loop start - console	1	1	1	0	0	0	0	0	0	3
Loop start - TRS	5	0	0	0	0	0	0	0	0	5
Recorder Ports	26	8	9	0	0	0	0	2	2	47
Conventional	20	7	8	0	0	0	0	2	2	39
PSTN	6	1	1	0	0	0	0	0	0	8
Trunked	0	0	0	0	0	0	0	0	0	0

SAN FRANCISCO POLICE DEPARTMENT NOTES

1 mobile to be installed on a boat.

50 mobiles shall be covert installations.

27 mobile installations in Special Ops Vehicles.

SFPD dispatch at CECC.

Quantities include operational spares.

SAN FRANCISCO FIRE DEPARTMENT NOTES

All portables shall be waterproof.

Spare batteries shall be ruggedized.

2 mobile installations on boats.

Shoulder microphones shall be waterproof.

SFFD dispatch at CECC.

DEPARTMENT OF PUBLIC HEALTH NOTES

DPH dispatch at CECC

DEPARTMENT OF PARKING AND TRAFFIC NOTES

DPT dispatch at HoJ (850 Bryant).

Consoles to be installed at site 12 (Hall of Justice)

SHERIFF DEPARTMENT NOTES

Sheriff dispatch at Jail #9.

WATER DEPARTMENT NOTES

Water dispatch at Site 104

(1990 Newcomb).

32 vehicular adapters for portable radios shall be provided and installed.

DEPARTMENT OF RECREATION & PARKS NOTES

10 mobiles require "horns and lights" paging feature.

OFFICE OF EMERGENCY SERVICES NOTES

OES dispatch at CECC.

Consoles and RCSM to be installed at CECC (site 911).

OTHER (DTIS SYSTEM MAINTENANCE AND SPARES)

DTIS dispatch consoles located at:

RMF (901 Rankin)

Prime Site (CRS, Twin Peaks)

CECC (2 consoles)

MTSMs provided at each MTS site. (Access Ports to MTS for Portable MTSMs acceptable)

1 TRSM and 1 CERSM provided at Prime Site.

1 RCSM provided at CECC.

1 RCSM co-located with CCE1.

2 TRSMs and 2 CERSMs provided at CECC.

1 TRSM, 1 MTSM, 1 RCSMs and 1 CERSM provided at RMF.

5 portable CERSMs shall be provided.

1 TRSM and 1 CERSM provided at CFAS

1 TRSM and 1 CERSM provided at DPW

11. TEST EQUIPMENT QUANTITIES

Test Equipment

Note: All test equipment shall be delivered within 60 days or as soon thereafter as possible of contract award.

Description	Qty
Communications Systems Analyzer/Service Monitor - capable of testing the City's trunking formats/parameters	4
TTC FireBerd 6000, or equivalent	1
TTC T-Berd 209, or equivalent	2
DSO - (Tektronics TK 2212, or equivalent)	3
6-unit Battery Analyzer/Conditioner *	20
Laptop PC (same specifications as CERSM)	5
Black Box Serialtest Version 4.2 Diagnostic Software - Code TD113V	1
Microwave Frequency Counter/with Power Meter (to 26.5 GHz), EIP or equivalent	1
Microwave Spectrum Analyzer (to 26.5 GHz)	1
Patch Cords, SMA male to SMA male connectors, to 26.5 GHz	5
Encryption key loader (w/cables) *	6
Encryption test set (w/cables) *	2
TIMS hp 4935, or equivalent	4
Celwave Wideband Wattmeter, Mdl 4374, or equivalent	4
Power Meter, with 50 ohm power sensor (100KHz -26.5 GHz) , -25 to +33 dBm power range.	1
Fluke 87 True RMS multimeters	3

* Units to be shipped when radio units are delivered.
** Equipped, as a minimum, with a 17 inch color monitor (supporting a minimum of 1024X768 pixels, non-interlaced, 0.28 maximum dot pitch, compliant with the City's VDT ordinance), 32 MB RAM, a 2 GB hard disk drive, a V.34 data modem, a 8X CD ROM reader, a 3.5" floppy disk drive, and suitable printing device (the workstations shall have sufficient memory and processing power to support the System Manager requirements of the CERS, the TRS, the MTS or the RCS (to insure interchangeability of System Manager CPUs). . IBM PC systems shall utilize a 150 MHz Pentium processor, minimum.).

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