

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	IMCIS12	CONTROL I/O MODULE 4 AI, 3 DI, 4 DO, 2 AO
1	IMDSI12	DIGITAL INPUT MODULE UNIVERSAL DI MODULE FOR 24, 48, 125VDC & 120VAC (32
1	IMDSI13	DIGITAL INPUT MODULE 24 VDC 24 VDC DI MODULE (NO JUMPERS)
1	IMDSI14	DIGIAL INPUT MODULE 48 VDC 48 VDC DI MODULE (NO JUMPERS)
1	IMDSI15	DIGITAL INPUT MODULE 125 VDC OR 120 VAC DI MODULE (16 JUMPERS)
1	IMDSO14	DIGITAL OUTPUT MODULE 16 CHANNEL OPEN COLLECTOR DO
1	IMDSO15	DIGIAL OUTPUT MODULE 8 CHANNEL DO WITH ONBOARD ELECTRO-MECHANICAL

COMMUNICATION - SPARES

1	INBTM01	BUS TRANSFER MODULE LIM TO MODULE BUS TRANSFER; PART OF INPCI02, INPPR01
1	INDDM01	DISK DRIVE MODULE PART OF INOSM01
1	INESM01	ETHERNET SERVER MODULE PART OF INOSM01
1	INICT01	INFI-NET TO COMPUTER TRANSFER MODULE ICI DRIVER, PART OF INICI01
1	INICT03	INFI-NET TO COMPUTER TRANSFER MODULE ICI DRIVER, PART OF INICI03
1	INIIT02	INFI-NET TO INFI-NET REMOTE TRANSFER MODULE IIR DRIVER, PART OF INIIR01

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1	INIIT03	INFI-NET TO INFI-NET LOCAL TRANSFER MODULE IIL DRIVER, PART OF INIIL02
1	INIPT01	INFI-NET TO PLANT LOOP LOCAL TRANSFER MODULE IPL DRIVER, PART OF INIPL01
1	INIPT02	INFI-NET TO PLANT LOOP REMOTE TRANSFER MODULE PART OF INIPR01
1	INPCT01	PLANT LOOP TO COMPUTER TRANSFER MODULE PCI DRIVER, PART OF INPCI02
1	INPPT01	PLANT LOOP TO PLANT LOOP TRANSFER MODULE PPR DRIVER, PART OF INPPR01
1	INSCS01	SCSI CONNECTOR MODULE PART OF INOSM01

COMMUNICATIONS - INFI-NET

1	GPI-S/W	GENERAL PURPOSE INTERFACE SOFTWARE
1	INICI01-232H	INFI-NET TO COMPUTER INTERFACE, 10,000 POINTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS
1	INICI01-232L	INFI-NET TO COMPUTER INTERFACE, 10,000 POINTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS
1	INICI03-SCIH	INFI-NET TO COMPUTER INTERFACE, 30,000 POINT INCLUDES REQUIRED MODULES, CABLES, AND TERMINATION
1	INICI03-SCIL	INFI-NET TO COMPUTER INTERFACE, 30,000 POINT INCLUDES REQUIRED MODULES, CABLES, AND TERMINATION
1	INIIL02-H	INFI-NET TO INFI-NET LOCAL INTERFACE, 30,000 POINTS INCLUDES REQUIRED MODULES,CABLES,TERMINATIONS FOR
1	INIIL02-L	INFI-NET TO INFI-NET LOCAL INTERFACE, 30,000 POINTS INCLUDES REQUIRED MODULES,CABLES,TERMINATIONS FOR
1	INIIR01-232H	INFI-NET TO INFI-NET REMOTE INTERFACE, 5,000 POINTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS FOR

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1	INIIR01-232L	INFI-NET TO INFI-NET REMOTE INTERFACE, 5,000 POINTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS FOR
1	INIPL01-H	INFI-NET TO PLANT LOOP LOCAL INTERFACE, 5000 POINTS INCLUDES REQUIRED MOD,CABLES,TERM, FOR BOTH LOOPS
1	INIPL01-L	INFI-NET TO PLANT LOOP LOCAL INTERFACE, 5000 POINTS INCLUDES REQUIRED MOD,CABLES,TERM, FOR BOTH LOOPS
1	INIPR01-232H	INFI-NET TO PLANT LOOP REMOTE, 10,000 POINTS INCLUDES REQ, MODULES, TERMS, CABLES
1	INIPR01-232L	INFI-NET TO PLANT LOOP REMOTE, 10,000 POINTS INCLUDES REQ, MODULES, TERMS, CABLES
1	INNIS01	NETWORK INTERFACE MODULE INFI-NET TO NODE COMMUNICATION INTERFACE
1	INNPM01	NETWORK PROCESSING MODULE PCU TO INNIS01 COMMUNICATION INTERFACE
1	INOSM010	OPEN SYSTEMS MANAGER, 30,000 POINT, TCP/IP INCLUDES REQUIRED MODULES, CABLES AND TERMINATIONS
1	INOSM011	OPEN SYSTEMS MANAGER, 30,000 POINT, DECNET INCLUDES REQUIRED MODULES, CABLES AND TERMINATIONS

COMMUNICATIONS - PLANT LOOP

1	INBIM02	BUS INTERFACE MODULE PCU TO INLIM03 COMMUNICATION INTERFACE
1	INLIM03	LOOP INTERFACE MODULE PLANT LOOP TO NODE COMMUNICATION INTERFACE
1	INPCI02-232H	PLANT LOOP TO COMPUTER INTERFACE, 5,000 POINTS INCLUDES REQUIRED MODULES, TERMINATIONS,
1	INPCI02-232L	PLANT LOOP TO COMPUTER INTERFACE, 5,000 POINTS INCLUDES REQUIRED MODULES, TERMINATIONS,
1	INPPR01-232H	PLANT LOOP TO PLANT LOOP REMOTE INTERFACE, 5000 PTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS,

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1	INPPR01-232L	PLANT LOOP TO PLANT LOOP REMOTE INTERFACE, 5000 PTS INCLUDES REQUIRED MODULES, CABLES, TERMINATIONS,

DIGITAL STATIONS

1	IISAC01	ANALOG CONTROL STATION MANUAL/AUTO STATION WITH AUTOMATIC BYPASS
1	NDIS01	DIGITAL INDICATOR STATION INDICATION OF THREE VARIABLES
1	NDLS02	DIGITAL LOGIC STATION 8 PUSHBUTTON, 16 LED OPERATOR STATION
1	NLBS01	LOCAL BYPASS STATION HOLD ANALOG OUTPUT ON CIS/QRS REMOVAL

MODULAR REMOTE TERMINAL UNIT

1	IEMMU11	MODULE MOUNTING UNIT (MODULAR RTU ONLY)
1	IEPRA01	POWER SUPPLY 110/220 VAC, 60W
1	IEPRA02	REDUNDANT POWER SUPPLY 110/220 VAC, 60W
1	IEPRD01	POWER SUPPLY 24VDC
1	IEPRD02	REDUNDANT POWER SUPPLY 24VDC 60W
1	IMRAE11	8AI (IMRAI11 EXPANSION)
1	IMRAI01	8AI 4-20mA, 2AO 4-20mA, 0.1% ACCURACY

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1	IMRAI02	8AI +/- 5V, 2AO 4-20mA, 0.1% ACCURACY
1	IMRAI03	8AI +/- 10V, 2AO 4-20mA, 0.1% ACCURACY
1	IMRAI04	8AI 4-20mA, 0.1% ACCURACY
1	IMRAI05	8AI 4-20mA, 2AO 4-20mA, 0.3% ACCURACY
1	IMRAI06	8AI 4-20mA, 0.3% ACCURACY
1	IMRAI11	8AI 4-20mA, +/-5V, +/-10V, 0.3% ACCURACY, ISOLATED
1	IMRCC01	CPU PROCESSOR (STANDARD MEMORY)
1	IMRCC02	CPU PROCESSOR (EXTENDED MEMORY)
1	IMRDI01	16 DIGITAL INPUT (NOT ISOLATED 24VDC)
1	IMRDI11	16 DIGITAL INPUT (ISOLATED 110VDC)
1	IMRDI12	16 DIGITAL INPUT (ISOLATED 120VAC)
1	IMRDI13	16 DIGITAL INPUT (ISOLATED 24/48VDC)
1	IMRDO01	8 DIGITAL OUTPUT (RELAYS 5A)
1	IMRMD01	MODEM (LEASED LINE, CCITT V21 V23)
1	IMRMD02	MODEM (SWITCHED LINE, CCITT V21 V23)

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QTY **Nomenclature**

Description

MODULES - ANALOG MASTER AND ASSOCIATED MODULES

1	IMAMM03	ANALOG MASTER MODULE 64 INPUTS VIA UP TO 8 ASM0x MODULE
1	IMASM01	ANALOG INPUT MODULE 16 ANALOG INPUTS, 4-20MA, 1-5, 0-10, 10 TO -10VDC
1	IMASM02	ANALOG INPUT MODULE 8 TC OR MILLIVOLT INPUTS, -100 TO 100MV
1	IMASM03	ANALOG INPUT MODULE 8 RTD INPUTS, 100 OHM
1	IMASM04	ANALOG INPUT MODULE 8 RTD INPUTS, 10 O

MODULES - CONFIGURATION AND TUNING

1	CTT02	CONFIGURATION AND TUNING TERMINAL USE WITH IMCPM02
1	IMCPM02	COMMUNICATION PORT MODULE, RS -232 INTERFACE USE WITH CTT02 FOR TUNING AND CONFIGURATION OF A

MODULES - DISTRIBUTED SEQUENCE OF EVENTS

1	IMSED01	SEQUENCE OF EVENTS DIGITAL INPUTS MODULE 16 DIGITAL INPUTS FOR SOE, CONTROL
1	IMSET01	SEQUENCE OF EVENTS TIME SYNCH PROVIDE FIRST 16DI TO A PCU/MFPOX FOR SOE
1	INSEM01	SEQUENCE OF EVENTS MASTER MODULE PART OF INSOE01

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<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	INSOE01	SEQUENCE OF EVENT SERVER NODE INCLUDES SEM, NIS, AND TKM MODULES WITH ASSOCIATED
1	INTKM01	TIME KEEPER MASTER PART OF INSOE01

MODULES - GENERAL PURPOSE PROCESS I/

1	IMASI03	ANALOG INPUT MODULE 16 INPUTS, TC, MILLIVOLT, RTD, HIGH LEVEL
1	IMASO01	ANALOG OUTPUT MODULE 14 ANALOG OUTPUTS, 1-5VDC, 4-20MA
1	IMCIS02	CONTROL I/O MODULE 4AI, 3DI, 4DO, 2AO
1	IMDSI02	DIGITAL INPUT MODULE 16 DIGITAL INPUTS, 24VDC, 125VDC, 120VAC
1	IMDSM04	PULSE INPUT MODULE 8 PULSE INPUTS, 0-50 KHZ
1	IMDSM05	DIGITAL LOGIC STATION INTERFACE MODULE USE WITH IMMFP0X, NTLS01, NDLS02
1	IMDSO01	DIGITAL OUTPUT MODULE 8 OUTPUTS, 24 TO 240 VAC, 3A
1	IMDSO02	DIGITAL OUTPUT MODULE 24 VDC, 8 OUTPUTS, 5 TO 50 VDC, 3A
1	IMDSO03	DIGITAL OUTPUT MODULE 125 VDC, 8 OUTPUTS, 5 TO 160 VDC, 1A
1	IMDSO04	DIGITAL OUTPUT MODULE 24 VDC, 16 OUTPUTS, 24VDC, 250MA
1	IMFBS01	FIELD BUS MODULE 15 INPUTS,4-20mA,1-5,0-10,+10Vdc, SMART TRANS
1	IMFCS01	FREQUENCY COUNTER MODULE 1 INPUT FROM MAGNETIC PICKUP, 3 TO 12.5 KHz

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1	IMHSS03	HYDRAULIC SERVO MODULE REDUNDANT OUTPUTS TO SERVO COILS
1	IMQRS02	QUICK RESPONSE MODULE 4AI, 3DI, 4DO, 2AO, 12X/SEC RESPONSE
1	IMRIO02	REMOTE I/O MODULE EXTEND IMMFP0X I/O XBUS 10K FEET,MULTIPLE DROP

MODULES - MULTI-FUNCTION PROCESSORS

1	IMMFP01	MULTI-FUNCTION PROCESSOR 5000 USEABLE BLOCKS AND/OR 2000 LINES OF BASIC OR "C"
1	IMMFP02	MULTI-FUNCTION PROCESSOR 10,000 USEABLE BLOCKS AND/OR 4000 LINES OF BASIC OR "C"
1	IMMFP03	MULTI-FUNCTION PROCESSOR 10,000 USEABLE BLOCKS AND/OR 4,000 LINES OF BASIC OR
1	IMMFP03B	MULTI - FUNCTION PROCESSOR 10,000 USEABLE BLOCKS AND/OR 4000 LINES OF BASIC OR "C"
1	IMMPI01	MULTI-FUNCTION PROCESSOR INTERFACE FOR IMMFP03 PROVIDES RS-232C/485 PORTS, SAC/DCS PORT
1	IMPCC01	PROGRAMMABLE CONTROLLER COUPLER RS-232 INTERFACE TO PROGRAMMABLE CONTROLLER

MOUNTING HARDWAR

1	1948502A0340	I/O EXPANDER BUS CABLE CONNECT IEMMU0X TO IEMMU0X FOR SLAVE BUS EXTENSION
1	1948605A1	THERMOELECTRIC COOLER COOLING SYSTEM FOR SMALL FIELD ENCLOSURE
1	535187	MINI90 EXTRA 24VDC SUPPLY

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1	553087A1	MINI90/PC90 POWER SUPPLY	
1	GALVPLNTH	ADDITIONAL GALVANISED PLINTHS (PER CABINET)	
1	IECAB02	GENERAL PURPOSE CABINET TERMINATIONS ONLY	
1	IECAB03	GENERAL PURPOSE CABINET MODULES AND TERMINATIONS	
1	IECAB11	NEMA 4 CABINET MODULES AND TERMINATIONS	
1	IECAB12	NEMA 4 CABINET TERMINATIONS ONLY	
1	IECFE11	NEMA 4 SMALL FIELD ENCLOSURE, WALL MOUNT INCLUDES PEP, FAN, MMU'S (15 SLOT) AND TMU	
1	IECFE12	NEMA 4 SMALL FIELD ENCLOSURE, FLOOR MOUNT INCLUDES PEP, FAN, MMU'S (15 SLOT) AND TMU	
1	IEFAN01	FAN ASSEMBLY, 120 Vac SIX FAN ASSEMBLY REQUIRED WITH (NON-MPS II) POWER MODULES	
1	IEFAN02	FAN ASSEMBLY, 240 Vac SIX FAN ASSEMBLY REQUIRED WITH (NON-MPS II) POWER MODULES	
1	IEFAN03	FAN ASSEMBLY, 24 Vdc SIX FAN ASSEMBLY REQUIRED WITH (NON-MPS II) POWER MODULES	
1	IEFAN04	FAN ASSEMBLY, 120 Vac REDUNDANT FAN ASSEMBLY INCLUDED IN IECFEXX	
1	IEFAN05	FAN ASSEMBLY, 48 Vdc SIX FAN ASSEMBLY REQUIRED WITH (NON-MPS II) POWER MODULES	
1	IEFAN06	FAN ASSEMBLY, 240 Vac REDUNDANT FAN ASSEMBLY INCLUDED IN IECFEXX	
1	IEMMU01	MODULE MOUNTING UNIT REAR MOUNTING, 12 MODULE SLOTS	
1	IEMMU02	MODULE MOUNTING UNIT FRONT MOUNTING, 12 MODULE SLOTS	

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1	IEMMU04	MODULE MOUNTING UNIT, 5 MODULE SLOTS INCLUDED IN IECFEXX
1	IMBLK01	BLANK FACEPLATE FOR FILLING EMPTY SLOTS IN MMU
1	NFTP01	FIELD TERMINATION PANEL MOUNT TWO TERMINATION UNITS
1	NPCR01	PC90 ENCLOSURE INCL. 1xIEMMU01, 1xNTMU01
1	NTMU01	TERMINATION MOUNTING UNIT REAR MOUNTING, MOUNTS 12 TERMINATION MODULES
1	NTMU02	TERMINATION MOUNTING UNIT FRONT MOUNTING, MOUNTS 12 TERMINATION MODULES

NETWORK 90 AND MISC INFI 90 SPARES

1	6634998B1	AUXILIARY ENGINEERING KEYBOARD - OIU REQUIRED FOR CONFIGURING GRAPHICS ON NOIU0X;
1	IMAOM01	ANALOG OUTPUT MODULE 8 ANALOG OUTPUTS, 4-20mA, 1-5Vdc, 0-10Vdc
1	IMCOM03	ENHANCED CONTROLLER MODULE 4AI, 3DI, 4DO, 2AO, 190 BLOCKS
1	IMCOM04	ADVANCED CONTROLLER MODULE 4AI, 3DI, 4DO, 2AO, 190 BLOCKS, EXPANDED FUNCTIONS
1	IMMFC03	ENHANCED MULTI-FUNCTION CONTROLLER WITH BASIC & C 10000 BLOCKS AND/OR 4000 LINES OF BASIC OR C
1	IMMFC04	ENHANCED MULTI-FUNCTION CONTROLLER 5,000 BLOCKS, I/O THRU 64 I/O MODULES, ON-BOARD I/O
1	IMMFC05	MULTI-FUNCTION CONTROLLER 2000 BLOCKS, I/O THRU 64 I/O MODULES
1	INPBS01	PARALLEL BUS SLAVE IEEE-488 INTERFACE, PART OF INICI01, INPCI02-488H,; 488L

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1	INPTM01	POINT TABLE MODULE POINT TABLE STORAGE, PART OF INPCI01;
1	INSIM01	SERIAL INTERFACE MODULE RS-232 INTERFACE, PART OF INPCI01;
1	NADS01	ANNUNCIATOR DISPLAY SELECT 64 CONFIGURABLE PUSHBUTTONS W/LED'S
1	NADS02	ANNUNCIATOR DISPLAY SELECT 64 CONFIGURABLE PUSHBUTTONS W/LED'S
1	NADS03	ANNUNCIATOR DISPLAY SELECT 64 CONFIGURABLE PUSHBUTTONS W/LED'S
1	NADS04	ANNUNCIATOR DISPLAY SELECT 64 CONFIGURABLE PUSHBUTTONS W/LED'S
1	NDCS03	DIGITAL CONTROL STATION HAND/AUTO STATION WITH AUTOMATIC BYPASS, UP TO 8;
1	NFAN01	FAN ASSEMBLY, 120 VAC REDUNDANT FAN ASSEMBLY, REQUIRED WITH NMPP02;
1	NFAN02	FAN ASSEMBLY, 240 VAC REDUNDANT FAN ASSEMBLY, REQUIRED WITH NMPP02;
1	NIAO01	ANALOG OUTPUT TERMINATION MODULE 8 OUTPUTS
1	NIDO01	DIGITAL OUTPUT TERMINATION MODULE USE WITH IMLMM02, NKTU02 FOR OUTPUTS ONLY
1	NIMF01	MULTI-FUNCTION CONTROLLER TERMINATION MODULE USE WITH NMFC0X, NKTM01;
1	NIMF02	MULTI-FUNCTION CONTROLLER TERMINATION MODULE REDUNDANCY, USE WITH NMFC0X, NKTM01;
1	NIOP02	I/O POWER PANEL, 120 VAC MOUNT TWO NPSI0X POWER SUPPLIES;
1	NIOP04	I/O POWER PANEL, 240 VAC MOUNT TWO NPSI0X POWER SUPPLIES;
1	NIOX01	I/O EXPANDER CARD SPARE BOARD FOR NOIU0X;

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1	NIPL01	PLANT LOOP TERMINATION MODULE USE WITH LIM/KTM;
1	NKPR01-25	PRINTER CABLE - 25 FEET USE WITH NOIU0X TO NPRT0X;
1	NMFP03	MULTIFUNCTION PROCESSOR CARD SPARE BOARD FOR NOIU0X
1	NMMU01	MODULE MOUNTING UNIT, REAR MOUNTING 12 MODULE SLOTS, POWER, BUS
1	NMMU02	MODULE MOUNTING UNIT, FRONT MOUNTING 12 MODULE SLOTS,POWER,BUS
1	NMPP02	MODULE POWER PANEL, WITH AUCTIONEERING MOUNT TWO NPSM0X POWER SUPPLIES;
1	NMTP01	9 TRACK MAGNETIC TAPE DRIVE 180 MB CAPACITY FOR ARCHIVAL STORAGE; MOUNTS IN
1	NMTP02	9-TRACK MAGNETIC TAPE DRIVE 180 MB CAPACITY FOR ARCHIVAL STORAGE
1	NODS02	OPTICAL DISK 520 MB CAPACITY FOR ARCHIVAL STORAGE
1	NODS02A	OPTICAL DRIVE, RACKMOUNT MCS DRIVER CABINET
1	NPEP01	POWER ENTRY PANEL, 120 VAC USE WITH 1 NMPP02 AND 0-1 NIOP02;
1	NPEP02	POWER ENTRY PANEL, 120 VAC USE WITH 0 NMPP02 AND 1-2 NIOP02;
1	NPEP03	POWER ENTRY PANEL, 240 VAC USE WITH 1 NMPP02 AND 0-1 NIOP04;
1	NPEP04	POWER ENTRY PANEL, 240 VAC USE WITH 0 NMPP02 AND 1-2 NIOP04;
1	NPIM01	PROCESSOR INTERFACE MODULE SPARE BOARD FOR NOIU0X;
1	NPSI03	I/O POWER SUPPLY, 24 VDC OUTPUT 120/240 VAC, MOUNT IN NIOP02,4;

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1	NPSI04	I/O POWER SUPPLY, 125 VDC OUTPUT 120/240 VAC, MOUNT IN NIOP02,4;
1	NPSM02	SYSTEM POWER SUPPLY, 120 VAC, 750 WATTS 15,-15,5 VOLTS FOR MODULES, MOUNT IN NMPP02;
1	NPSM04	SYSTEM POWER SUPPLY, 240 VAC, 750 WATTS 15,-15,5 VOLTS FOR MODULES, MOUNT IN NMPP02;
1	NSDM01	DC/DC CONVERTER, - 30 VDC REQUIRED FOR NAMM02, NLMM01 USING NSPS01,2;
1	NTAO01	ANALOG OUTPUT TERMINATION UNIT 8 OUTPUTS
1	NTCU01	PLANT LOOP TO COMPUTER INTERFACE TERMINATION UNIT USE WITH INSIM01, NKTU01. PART OF INPCI01;
1	NTMF01	MULTI-FUNCTION CONTROLLER TERMINATION UNIT USE WITH NMFC0X, NKTU01 IF REQUIRED;
1	NTPL01	PLANT LOOP TERMINATION UNIT USE WITH LIM/KLM;
1	NTRB01	TRACKBALL USE WITH NMCS02, NCRT02;
1	NUCC01	UTILITY CONTROL CONSOLE NMCS02/NOIU02- SIZE CONSOLE FOR MISC. MOUNTING;

OPERATOR INTERFACE STATI

1	6642603A1	SOFTWARE KIT ON CD-ROM FOR OIS40/41 (NEEDED WHEN INSTALLING IIDOP04A OR IIDOP05A G.3 OR
1	6642604A1	SOFTWARE KIT ON CD-ROM FOR OIS42/IS42 (NEEDED WHEN INSTALLING IIDOP04A OR IIDOP05A G.3 OR
1	IIADP01	ANNUNCIATOR DISPLAY PANEL - TABLETOP 32 CONFIGURABLE PUSHBUTTONS W/LEDS
1	IIADP02	ANNUNCIATOR DISPLAY PANEL 32 CONFIGURABLE PUSHBUTTONS W/LEDS

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1	IIAKB01	AUXILIARY ENGINEERING KEYBOARD-OIS 20 & 25 QWERTY KEYBOARD FOR DATA ENTRY
1	IIAKB03	AUXILIARY ENGINEERING KEYBOARD - OIS 40, 41 & 42 QWERTY KEYBOARD FOR X WINDOW DATA ENTRY
1	IIAKB04	AUXILIARY ENGINEERING KEYBOARD QWERTY KEYBOARD FOR IIOIC42
1	IIAMS01	MOUSE FOR OPERATOR INTERFACE STATION 20 & 25
1	IIAMS03	MOUSE FOR OPERATOR INTERFACE STATION 40, 41 & 42
1	IIAMS04	MOUSE, OIC42 POINTING DEVICE FOR OIS AND SIGNATURE
1	IIATB01	TRACKBALL, OIS 20 & 25 TABLETOP POINTING DEVICE FOR OIS
1	IIATB02	TRACKBALL, OIS 40, 41, & 42 TABLETOP POINTING DEVICE FOR OIS
1	IIATB03	TRACKBALL FOR IS42XX, IS42XM TABLE TOP POINTING DEVICE FOR SIGNATURE CONSOLES
1	IIATB04	TRACKBALL FOR IS12 OR IS42XA WITH TEKTRONIX TABLETOP POINTING DEVICE FOR SIGNATURE CONSOLES
1	IIATB05	TRACKBALL FOR OIC42 POINTING DEVICE FOR OIS AUXILIARY CONSOLES
1	IIATS01	TOUCHSCREEN ON OIS/OIC 20 & 25 USE WITH 19" TABLETOP CRT & LOWER CRT
1	IIATS02	TOUCHSCREEN ON OIS/OIC 20 & 25 USE WITH 19" CONSOLE, PANEL MOUNT CRT & UPPER CRT
1	IIATS41	TOUCHSCREEN ON OIS42/OIC42 USE WITH 19" TABLE TOP CRT AND LOWER C
1	IIATS42	TOUCHSCREEN ON OIS42/OIC42 USE WITH 19" CONSOLE AND PANEL MOUNT AND UPPER CRT
1	IIATS43	TOUCHSCREEN ON OIS42/OIC42 USE WITH 19" UPPER AND LOWER CRT

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1	IICCD01	CD-ROM COMPACT DRIVE, TABLE TOP, 600MB FOR OIS40 SERIES
1	IICCH01	OPERATOR CHAIR FOR INFI 90 CONSOLE
1	IICPI01	CONSOLE 15 DEGREE WEDGE FLYING WEDGE TO SHAPE OIS CONSOLE
1	IICPI02	CONSOLE 45 DEGREE WEDGE FLYING WEDGE TO SHAPE OIS CONSOLE
1	IICUC01	CONSOLE UTILITY CABINET OIS SIZE CONSOLE FOR MISC. MOUNTING
1	IICWS01	CONSOLE WORK/PRINTER SURFACE FOR OIS CONSOLES
1	IIDMT03A	DAT MAG TAPE DRIVE TABLETOP OR RACKMOUNT, 4GB
1	IIDMT05	DAT MAGNETIC TAPE DRIVE, TABLETOP 2.6GB FOR OIS 25 & MCS PLUS
1	IIDMT06	DAT MAGNETIC TAPE DRIVE, RACK MOUNT 2.6GB FOR OIS 25 & MCS PLUS
1	IIDOP02A	OPTICAL DRIVE, TABLETOP, 1.3GB FOR ARCHIVAL STORAGE ON OIS20, 25, MCS, MCSPLUS
1	IIDOP03A	OPTICAL DRIVE, RACK MOUNT, 1.3GB OIS20, 25, MCS, MCSPLUS
1	IIDOP04A	OPTICAL DRIVE, TABLETOP, 1.3GB FOR ARCHIVAL STORAGE ON OIS40 SERIES, G.3 OR LATER
1	IIDOP05A	OPTICAL DRIVE, RACK MOUNT, 1.3GB FOR ARCHIVAL STORAGE ON OIS40 SERIES, G.3 OR LATER
1	IIDOP06	OPTICAL DRIVE, TABLE TOP, 640MB FOR ARCHIVAL STORAGE FOR OIS10/11/12
1	IIDST01	STREAMING MAGNETIC TAPE, OIS20 60 MBYTE CAPACITY FOR HARD DISK BACKUP
1	IIDST02	STREAMING MAGNETIC TAPE, USE WITH OIS40 95MB CAPACITY FOR HARD DISK BACKUP; 120 VAC

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1	IIDST03	STREAMING MAGNETIC TAPE, USE WITH OIS 40 95 MB CAPACITY FOR HARD DISK BACKUP; 220VAC
1	IIDST04	STREAMING MAGNETIC TAPE, SCSI USE WITH MCS PLUS & OIS 25
1	IIMCL01	MULTIBUS COMMUNICATION LINK TERMINATION FOR INFI-NET/PLANT LOOP COMMUNICATION HIGHWAY
1	IIMCP01I	MULTIBUS COMMUNICATION PROCESSOR, INFIET
1	IIMCP01P	MULTIBUS COMMUNICATION PROCESSOR, PLANTLOOP
1	IIMCP02	MULTIBUS COMMUNICATION PROCESSOR, SCSI LOOP MODULE TO OIS INTERFACE, INFI-NE
1	IIMG01	MULTIBUS GRAPHICS CARD TO SUPPORT ONE OIS CRT
1	IIMG02	HI SPEED MULTIBUS GRAPHICS CARD (640 X 480) TO SUPPORT ONE OIS CRT
1	IIMKM01	MULTIBUS KEYBOARD MODULE KEYBOARD ELECTRONICS FOR OIS 1x, 20
1	IIMKM02A	MULTIBUS KEYBOARD MODULE KEYBOARD ELECTRONICS FOR OIS 40 & 41
1	IIMLM01	MULTIBUS LOOP MODULE COMMUNICATION HIGHWAY TO COMMUNICATION PROCESSOR
1	IIMPM01	MULTIBUS PROCESSOR MODULE PROCESSOR CPU MODULE
1	IIMPM02	MULTI-BUS PROCESSOR MODULE PROCESSOR CPU MODULE
1	IIMRM02	MULTIBUS RESET MODULE RESET ELECTRONICS FOR DRIVER CABINETS
1	IIMSM01	MULTIBUS SERIAL I/O MODULE SPARE MODULE FOR OIS 20, 25 & MCS
1	IIPRS02	PRINTER SERVER FOR OIS 40, 41, & 42 ETHERNET INTERFACE SUPPORT UP TO 8 PRINTERS

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	IIPRT02	B/W PRINTER, SERIAL/PARALLEL INTERFACE USE WITH OIS OR PRINT CAD DRAWINGS FROM EWS
1	IIPRT03	COLOR PRINTER, SERIAL/PARALLEL INTERFACE USE WITH OIS OR PRINT CAD DRAWINGS FROM EWS
1	IIPRT04	COLOR VIDEO COPIER (R,B,& G) USE WITH OIS 20, 25, MCS, OIS 40, 41, & 42
1	IIPRT05	HIGH SPEED PRINTER, SERIAL/PARALLEL INTERFACE USE WITH OIS 20,25, 40, 41,& 42
1	IIPRT08B3	DESKJET PRINTER FOR USE IN AUSTRALIA FOR OIS4x (240 VAC, 50Hz)
1	IIPRT091	HIGH RESOLUTION COLOR PRINTER FOR OIS25, MCS PLUS, (120VAC, 60Hz)
1	IIPRT092	HIGH RESOLUTION COLOR PRINTER FOR OIS25, MCS PLUS, (240VAC, 50Hz)
1	IIPRT11	COLOR PRINTER FOR USE IN CHINA FOR OIS4x CONSOLES
1	IIVTE01	DIAGNOSTICS TERMINAL USE WITH O

OUTSIDE PURCHASED EQUIPMENT

1	15" VDU	HP 15" SUPER VGA MONITOR
1	21" VDU	HP 21" SUPER VGA MONITOR
1	CV232/422	RS232 TO RS422/RS485 CONVERTER
1	HP 1200C/PS	HP DESKJET PRINTER MONO/COLOUR FOR LAN90
1	HP LJ 4M	HP LARSERJET 4M PLUS PRINTER, MONO FOR EWS

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	HP VECTRA XU	HP XU 5/120, 32MB RAM, ADAPTEC SCSI (NO MONITOR)
1	HP VL2 4/66	486/66 FOR EWS & LAN90 CLIENTS, 24MB RAM (NO MONITOR)

POWER SYSTEMS - EXCLUDING MODULAR POWER SYSTEM II

1	1948509A5	DC BUS BAR TO MMU CABLE REQUIRED FOR MODULAR POWER SYSTEM
1	6637818A1	AC BUS BAR TO MMU CABLE REQUIRED FOR MODULAR POWER SYSTEM NOT USING A
1	6640447A1-XX	IEPBM01 TO AC MAINS CABLE REQUIRED FOR IEPBM01
1	IEPAF02	FIELD POWER MODULE, AC INPUT PROVIDES 24 VOLT I/O POWER (4 AMPS)
1	IEPAS02	SYSTEM POWER MODULE, AC INPUT PROVIDES +5V (10 AMP) +-15V SYSTEM OR 24V (4 AMP) I/O
1	IEPBM01	POWER BUS MONITOR MONITORS D.C. BUS AR ON AC POWERED SYSTEMS
1	IEPDF01	FIELD POWER MODULE, 24 Vdc INPUT PROVIDES 24 VOLT I/O POWER (4 AMP)
1	IEPDF02	FIELD POWER MODULE, 48 Vdc INPUT PROVIDES 24 VOLT I/O POWER (4 AMP)
1	IEPDP01	POWER DISTRIBUTION PANEL PROVIDES POWER "FAN-OUT" CONNECTIONS FOR AVAILABLE
1	IEPDS01	SYSTEM POWER MODULE, 24 Vdc INPUT PROVIDES +5V (10 AMP) +-15 V SYSTEM OR 24V (4 AMP) I/O
1	IEPDS02	SYSTEM POWER MODULE, 48 Vdc INPUT PROVIDES +5v (10 AMP) +-15v SYSTEM OR 24V (4 AMP) I/O
1	IEPEP01	POWER ENTRY PANEL, SINGLE AC FEED REQUIRED FOR MODULAR POWER SYSTEM

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	IEPEP02	POWER ENTRY PANEL, SINGLE AC FEED REQUIRED FOR MPS, INCLUDES CIRCUIT BREAKER
1	IEPEP03	POWER ENTRY PANEL, REDUNDANT AC FEED REQUIRED FOR MPS
1	IEPEP04	POWER ENTRY PANEL, REDUNDANT 24 OR 48 Vdc FEED REQUIRED FOR MPS
1	IEPMU01	POWER MOUNTING UNIT, REAR MOUNT MOUNTS 10 POWER MODULES
1	IEPMU02	POWER MOUNTING UNIT, FRONT MOUNT MOUNTS 10 POWER MODULES

POWER SYSTEMS - MODULAR POWER SYSTEM

1	IPBLK01	POWER SYSTEM BLANK FACEPLATE SPACE FILLER FOR IPCHS01
1	IPCHS01	POWER MODULE CHASSIS MOUNTS IPSYS, IPFLD, IPMON
1	IPECB11	POWER ENTRY CIRCUIT BREAKER, 120/240 VAC INPUT MOUNT ON BACK OF POWER FAN CHASSIS
1	IPECB13	POWER ENTRY CIRCUIT BREAKER, 125 VDC INPUT MOUNT ON BACK OF POWER FAN CHASSIS
1	IPESW11	POWER ENTRY SWITCH 120/240 VAC INPUT MOUNT ON BACK OF POWER FAN CHASSIS
1	IPESW13	POWER ENTRY SWITCH, 125 VDC INPUT MOUNT ON BACK OF POWER FAN CHASSIS
1	IPFAN11	POWER SYSTEM FAN, 120VAC INPUT MOUNTS POWER FAN CHASSIS
1	IPFAN12	POWER SYSTEM FAN, 240 VAC INPUT MOUNTS IN POWER FAN CHASSIS
1	IPFAN13	POWER SYSTEM FAN, 125 VDC INPUT MOUNTS IN POWER FAN CHASSIS

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	IPFCH01	POWER FAN CHASSIS MOUNTS TWO SYSTEM FANS AND POWER ENTRY CIRCUIT
1	IPFLD01	FIELD POWER MODULE 25.5 VDC OUTPUTS, 120/240 VAC, 125 VDC INPUT
1	IPMON01	POWER MONITOR MODULE MONITORS SYSTEM VOLTAGE AND STATUS INPUT FUNCTIONS
1	IPSYS01	SYSTEM POWER MODULE 5, 15, -15, 25.5 VDC OUTPUTS, 120/240 VAC, 125 VDC INPUT

RELAYS

1	1947684A32	SOLID STATE RELAY, 24-280 VAC MOUNT IN NTDO02, 8/TDO, 3 AMP
1	1947685A31	SOLID STATE RELAYS, 10-60 VDC MOUNT IN NTDO02, 8/TDO, 3 AMP
1	1947685A32	SOLID STATE RELAYS, 200 VDC MOUNT IN NTDO02, 8/TDO, 1 AMP
1	NRYP01	RELAY PANEL (LESS RELAYS) MOUNT UP TO 12 MECHANICAL RELAYS, 7; X 19;

TERMINATION MODULE

1	*****17	TERMINATION MODULES
1	NIAC02	ANALOG CALIBRATION TERMINATION MODULE, TC USE WITH IMAMM03, IMASM02, NIAI02
1	NIAC03	ANALOG CALIBRATION TERMINATION MODULE, RTD USE WITH IMAMM03, IMASM03, NIAI03
1	NIAC04	ANALOG CALIBRATION TERMINATION MODULE, RTD USE WITH IMAMM03, IMASM04, NIAI03
1	NIAI02	ANALOG INPUT TERMINATION MODULE, TC, 8 INPUTS USE WITH IMASM02, NKTU02

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

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<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	NIAI03	ANALOG INPUT TERMINATION MODULE, RTD, 8 INPUTS USE WITH IMASM03,4, NKTU02
1	NIAI04	ANALOG INPUT TERMINATION MODULE, HIGH LEVEL USE WITH IMASM01, IMFBS01, NKTU02
1	NIAI05	ANALOG INPUT TERMINATION MODULE, IMASI03 8 INPUTS
1	NIAM02	ANALOG MASTER TERMINATION MODULE USE WITH IMAMM03, NKTU02
1	NICL01	COMMUNICATION LINK TERMINATION MODULE USE WITH INNIS01, NKLS02, INLIM03, NKLS04
1	NICS01	CONTROL I/O TERMINATION MODULE USE WITH IMCIS02, IMQRS02, NKTU02
1	NIDI01	DIGITAL I/O TERMINATION MODULE USE WITH IMDSI02, IMDS00X, IMDSM0X
1	NIDS01	DIGITAL STATION TERMINATION MODULE USE WITH NICS01, IISAC01, NKTD01
1	NIMP01	MULTI-FUNCTION PROCESSOR TERMINATION MODULE USE WITH IMMFP0X, NKTU02
1	NIMP02	MULTI-FUNCTION PROCESSOR TERMINATION MODULE USE WITH IMMFP0X, NKTU02 FOR REDUNDANCY
1	NIRL03	REMOTE LINK TERMINATION MODULE USE WITH IMRIO02, NKTU02

TERMINATION UNITS

1	NTAI02	ANALOG INPUT TERMINATION UNIT TC & MILLIVOLT16 INPU
1	NTAI04	ANALOG INPUT TERMINATION UNIT RTD 16 INPUTS
1	NTAI05	ANALOG INPUT TERMINATION UNIT HIGH LEVEL16 INPUTS

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	NTAI06	ANALOG INPUT TERMINATION UNIT 16 INPUTS
1	NTAM01	ANALOG MASTER TERMINATION UNIT USE WITH IMAMM03, NKTU01 IF REQUIRED
1	NTCF01	FIBER OPTIC COMMUNICATION SYSTEM OPTIC-TO-OPTIC TERMINATION UNIT
1	NTCF02	FIBER OPTIC COMMUNICATION SYSTEM OPTIC-TO-ELECTRIC TERMINATION UNIT
1	NTCF03	FIBER OPTIC COMMUNICATION SYSTEM ELECTRIC-TO-OPTIC TERMINATION UNIT
1	NTCL01	COMMUNICATION LINK TERMINATION UNIT USE WITH INNIS01, NKSL01, INLIM03, NKSL03
1	NTCS04	CONTROL I/O TERMINATION UNIT USE WITH IMCIS02, IMQRS02, NKTU01
1	NTDI01	DIGITAL I/O TERMINATION UNIT USE WITH IMDSI02,IMDSO0X,IMDSM0X,
1	NTDO02	DIGITAL OUTPUT TERMINATION UNIT 8 OUTPUTS, RELAYS NOT INCLUDED
1	NTDRI01	DIGITAL INPUT RELAY TERMINATION UNIT USE WITH IMDSI02
1	NTDRO01	DIGITAL OUTPUT RELAY TERMINATION UNIT USE WITH IMDSO04
1	NTFB01	FIELDBUS MODULE TERMINATION UNIT 15 INPUTS, USE WITH IMFBS01, NKTU01
1	NTHS03	HYDRAULIC SERVO TERMINATION UNIT USE WITH IMHSS03, NKHS03
1	NTLS01	LOGIC STATION TERMINATION UNIT USE WITH IMDSM05, NKTU01, NDLS02, NKDS0X
1	NTMP01	MULTI-FUNCTION PROCESSOR TERMINATION UNIT USE WITH IMMFP0X, NKTU01 IF REQUIRE
1	NTRL02A	REMOTE I/O TERMINATION UNIT, FIBER OPTIC USE WITH IMRIO02, NKLM01

INFI90 / NETWORK90 MODULES

INFI/N90 MODULES

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	NTRL03	REMOTE LINK TERMINATION UNIT USE WITH IMRIO02, NKLM01
1	NTSM01	SERVER MODULE TERMINATION UNIT USE WITH INESM01, NKSM01
1	NTST01	TIME - SYNCH TERMINATION UNIT USE WITH IMSET01, INTKM01, NKST01

Cable List

INF190 CABLES

10-June-98

<u>QTY</u>	<u>Cable/ Length (FT)</u>	<u>Description</u>
1	1948312A1 0	N-TYPE FEMALE TO N-TYPE FEMALE ADAPTER; MAY BE USED TO SPLICE LENGTH OF KCL CABLING;
1	6634408A4 0	SERIAL CABLE; 1 FOOT USED TO CONNECT NIAI02 TO NIAM02 AND OTHER NIAI02;
1	NKAI01- 15	COLD JUNCTION COMPENSATION CABLE; USED TO CONNECT NTAI02 TO NTAM01 AND OTHER
1	NKAI11- 15	COLD JUNCTION COMPENSATION OF TC INPUTS; USED TO CONNECT NTAI02 TO NTAM01 AND OTHER
1	NKAL01- 15	EXTERNAL ALARM CABLE FROM PCU;
1	NKAS01- 15	ANALOG SLAVE TERMINATION UNIT CABLE; USED TO CONNECT IMASI03 TO NTAI0
1	NKAS02- 15	TERMINATION MODULE CABLE; USED TO CONNECT IMASI03 TO (2) NIAI05; USED TO
1	NKAS11- 15	ANALOG SLAVE TERMINATION UNIT CABLE; USED TO CONNECT IMASI03 TO NTAI06;
1	NKAS12- 15	TERMINATION MODULE CABLE; USED TO CONNECT IMASI03 TO (2) NIAI05; USED TO
1	NKCL01- 15	COAXIAL INFINET / RIO COMMUNICATION LINK CABLE; USED TO CONNECT TCL/ICL TO TCL/ICL, TRL/IRL TO
1	NKCL11- 15	COAXIAL INFINET / RIO COMMUNICATION LINK CABLE; USED TO CONNECT TCL/ICL TO TCL/ICL, TRL/IRL TO
1	NKCS01- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT TERMINATION UNIT TO IISAC01,
1	NKCS02- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT TERMINATION UNIT TO IISAC01,NDIS01;
1	NKCS11- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT TERMINATION TO IISAC01, NDIS01, NO
1	NKCS12- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT TERMINATION TO IISAC01,NDIS01;
1	NKDO01- 15	DIGITAL OUTPUT CABLE; USED TO CONNECT NTDO02 TO NTDO02; USED TO
1	NKDO11- 15	DIGITAL OUTPUT CABLE; USED TO CONNECT NTDO02 TO NTDO02; USED TO

Cable List

INF190 CABLES

10-June-98

<u>QTY</u>	<u>Cable/ Length (FT)</u>	<u>Description</u>
1	NKDS03- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT IISAC01, NDIS01; WITH SERIES
1	NKDS04- 15	DIGITAL LOGIC STATION CABLE; USED TO CONNECT NTLS01 TO NDLS02; WITH SERIES
1	NKDS05- 15	DIGITAL LOGIC STATION CABLE; USED TO CONNECT NDLS02 TO OTHER NDLS02; WITH
1	NKDS13- 15	ANALOG CONTROL STATION CABLE; USED TO CONNECT IISAC01, NDIS01; WITH SERIES
1	NKDS14- 15	DIGITAL LOGIC STATION CABLE; USED TO CONNECT NTLS01 TO NDLS02; WITH SERIES
1	NKDS15- 15	DIGITAL LOGIC STATION CABLE; USED TO CONNECT NDLS02 TO OTHER NDLS02; WITH
1	NKHS03- 15	HYDRAULIC SERVO TERMINATION CABLE; USED TO CONNECT IMHSS03 TO NTHS03 OR NTDI01;
1	NKHS13- 15	HYDRAULIC SERVO TERMINATION CABLE; USED TO CONNECT IMHSS03 TO NTHS03 OR NTDI01;
1	NKLM01- 15	COMMUNICATION INTERFACE CABLE; USED TO CONNECT IMRIO02 TO NTRL02, 03;
1	NKLM11- 15	COMMUNICATION INTERFACE CABLE; USED TO CONNECT IMRIO02 TO NTRL02,
1	NKLS01- 15	INFI-NET INTERFACE CABLE USED TO CONNECT INNIS01 TO NTCL01;
1	NKLS02- 15	INFI-NET INTERFACE CABLE; USED TO CONNECT INNIS01 TO NICL01 RIBBON CABLE;
1	NKLS03- 15	PLANT LOOP INTERFACE CABLE; USED TO CONNECT INLIM03 TO NTCL01;
1	NKLS04- 15	PLANT LOOP INTERFACE CABLE; USED TO CONNECT INLIM03 TO NICL01;
1	NKLS11- 15	INFI-NET INTERFACE CABLE; USED TO CONNECT INNIS01 TO NTCL01;
1	NKLS12- 15	INFI-NET INTERFACE CABLE; USED TO CONNECT INNIS01 TO NICL01 RIBBON CABLE;
1	NKLS13- 15	PLANT LOOP INTERFACE CABLE; USED TO CONNECT INLIM03 TO NTCL01;

Cable List

INF190 CABLES

10-June-98

<u>QTY</u>	<u>Cable/ Length (FT)</u>	<u>Description</u>
1	NKLS14- 15	PLANT LOOP INTERFACE CABLE; USED TO CONNECT INLIM03 TO NICL01
1	NKMC01- 15	CRT RGB CABLE; USED TO CONNECT OIS TO OIC;
1	NKMF02- 2	MULTI-FUNCTION CABLE, 2 FEET; USED TO CONNCT REDUNDANT IMAMM03 WITHOUT DIS
1	NKMP01- 2	MULTI-FUNCTION PROCESSOR CABLE, 2 FEET; USED TO CONNECT REDUNDANT IMMFP01/02 WITHOUT
1	NKMP03- 1	MULTI-FUNCTION PROCESSOR CABLE, 1 FOOT; USED TO CONNECT REDUNDANT IMMFP03
1	NKMR01- 15	CRT/KEYBOARD/PRINTER SERIAL CABLE; USED TO CONNECT OIS TO OIC; USED TO CONNECT OIS
1	NKPL01- 15	TWINAX PLANT LOOP CABLE; USED TO CONNECT NTCL01 TO NTCL01; USED TO
1	NKPL11- 15	TWINAX PLANT LOOP CABLE; USED TO CONNECT NTCL01 TO NTCL01; USED TO
1	NKSD01- 10	SOE DIGITAL INPUT MODULE CABLE; USED TO CONNECT IMSED01 TO NTDI01
1	NKSE01- 15	SERIAL EXTENSION CABLE; USED TO CONNECT NTCS04 TO NTCS04 WIT
1	NKSE11- 15	SERIAL EXTENSION CABLE; USED TO CONNECT NTCS04 TO NTCS04 WITH
1	NKSM01- 2	SERVER MODULE CABLE
1	NKST01- 10	SOE TIME SYNCH CABLE; USED TO CONNECT IMSET01 TO NTDI01, NTST01
1	NKTD01- 2	TERMINATION STATION CABLE; Y CABLE, 2 FEET; USED TO CONNECT NIDS01 TO TWO CABLES FOR
1	NKTD02- 15	TERMINATION STATION CABLE; USED TO CONNECT ANALOG/DIGITAL STATION DIRECTLY
1	NKTK01- 10	TIME KEEPER MASTER CABLE; USED TO CONNECT INTKM01 TO NTST01
1	NKTL01- 3	COAX TERMINATION CABLE; 3 FEET; USED TO CONNECT NKCL01 COAX CABLE TO

Cable List

INF190 CABLES

10-June-98

<u>QTY</u>	<u>Cable/ Length (FT)</u>	<u>Description</u>
1	NKTM01- 15	I/O MODULE TO TERMINATION MODULE RIBBON CABLE;
1	NKTM02- 15	I/O MODULE TO TERMINATION MODULE CABLE; MAXIMUM LENGTH 100 FEET
1	NKTT01- 3	INFI-NET TERMINATION CABLE; 3 FEET; USED TO CONNECT NTCL01/NICL01 TO NTCL01/NICL01
1	NKTU01- 15	I/O MODULE TO TERMINATION UNIT CABLE;
1	NKTU02- 15	I/O MODULE TO TERMINATION MODULE CABLE;
1	NKTU11- 15	I/O MODULE TO TERMINATION UNIT CABLE;
1	NKTU12- 15	I/O MODULE TO TERMINATION MODULE CABLE;

DOS Based Software

DOS VERSION SOFTWARE

10-June-98

<u>QTY</u>	<u>Nomenclature</u>	<u>Description</u>
1	SBLC-IPC	2 IMMFPxx
1	SBLC-IPC	1 IMMFC03/04
1	SCAD02	1 INSTALL SOFTWARE ON 1 COMPUTER
1	SCAD02	3 INSTALL SOFTWARE ON 3 COMPUTERS
1	SCAD02	5 INSTALL SOFTWARE ON 5 COMPUTERS
1	SCCU01	3 INSTALL SOFTWARE ON 3 COMPUTERS
1	SCCU01	5 INSTALL SOFTWARE ON 5 COMPUTERS
1	SCCU01	1 INSTALL SOFTWARE ON 1 COMPUTER
1	SLAD01	1 INSTALL SOFTWARE ON 1 COMPUTER
1	SLAD01	3 INSTALL SOFTWARE ON 3 COMPUTERS
1	SLAD01	5 INSTALL SOFTWARE ON 5 COMPUTERS
1	SLDG02	1 INSTALL SOFTWARE ON 1 COMPUTER
1	SLDG02	3 INSTALL SOFTWARE ON 3 COMPUTERS
1	SLDG02	5 INSTALL SOFTWARE ON 5 COMPUTERS
1	SRDB01	1 INSTALL SOFTWARE ON 1 COMPUTER
1	SUFC-IPC	1 IMMFC03/04
1	SUFC-IPC	2 IMMFPxx
1	SXPT-IPC	1 ONE SET OF PC BASED SOFTWARE

WinTools

WINTOOLS SOFTWARE
10-June-98

<u>QTY</u>	<u>Nomenclature</u>		<u>Description</u>
1	WCAD	1 - -	1 SOFTWARE LICENSE
1	WCAD	3 - -	3 SOFTWARE LICENSES
1	WCAD	5 - -	5 SOFTWARE LICENSES
1	WLDG	- 1 - -	1 SOFTWARE LICENSE
1	WLDG	- 3 - -	3 SOFTWARE LICENSES
1	WLDG	- 5 - -	5 SOFTWARE LICENSES