



	CHECKLIST ITEM	DESIRED RESULTS	INSPECTION INTERVAL
16.	Inspect the PC Check the power cord connection. Check the PC keyboard cable connection. Check the PC mouse cable connection. Check the USB Security Key connection. Check the Ethernet Loopback connection. Check the DAS board data (40 conductor ribbon cable) connection. Check the DAS board HE Coax cable connection. Check the DAS board LE Coax cable connection. Check the DAS board power cable connection.	The PC is present. The PC is securely fastened down All cables are properly connected and secured. The PC Power Supplies is operational. All cables are properly connected.	Annually
17.	Inspect Ethernet Loopback Connector (ELC)	The ELC is present. The ELC is properly connected. The ELC operates properly.	Annually
18.	Inspect the imaging with F792-88 Step Wedge	XIS F792-88 image ok	Every 6 month
19.	Inspect the diode plot graph	The DPG shows no diode signal saturation.	Every 6 month
20.	Inspect the power rollers	Power roller show no oil leakage. Power roller evidences no unusual grinding noises.	Annually
21.	Inspect conveyor operation	The conveyor operates smoothly in both directions.	Annually
22.	Inspect the x-ray generator (XRG)	The XRG should show no signs of oil leakage The XRG show no sign of internal arcing.	Every 6 month
23.	Inspect the x-ray controller Check the KV controller fuse. Check the mA controller fuse Measure the 5VDC power input Measure the 65 VDC power input	KV Controller Fuse is OK mA Controller Fuse is OK 5VDC P/S is within +/- 5% 65VDC P/S is within +/- 5%	Annually

CHECKLIST TO INSURE PROPER SYSTEM OPERATION

	CHECKLIST ITEM	DESIRED RESULTS	INSPECTION INTERVAL
6.	Check PC/PEC1 and PC/PEC2 operation.	PEC1 and PEC2 operate normally.	
7.	Inspect the interlocks switches.	The interlock switches are tightly fastened down. The interlocks switches are properly wired up. The interlock close properly when the panels are mounted.	Annually
8.	Inspect the Operator Control Panel	All buttons are securely in place. All buttons operate as required. All buttons are properly labeled and mounted in proper order. The USB cable is mechanically intact. The USB connector is good shape.	Every 6 month
9.	Inspect the USB Security Key (USK)	The USK is present . The USK is securely installed. The USK status LED is lit.	Annually
10.	Inspect the Power-ON LEDs lamp	The LEDs are fastened correctly The LEDs are wired correctly The LEDs are properly labeled The LEDs operate correctly	Annually
11.	Inspect the X-ray ON LEDs	The LEDs are fastened correctly The LEDs are wired correctly The LEDs are properly labeled The LEDs operate correctly	Annually
12.	Inspect the PLC	The Power LED is lit. The Run LED is lit. The PLC is properly connected. The PLC properly switches the PC on. The PLC properly switches the XRG on.	Annually
13.	Inspect the PC keyboard	The PC Keyboard is present. The PC keyboard is properly connected. The PC keyboard operates properly.	Annually
14.	Inspect the PC mouse	The PC mouse is present. The PC mouse is properl connected. The PC mouse operates properly.	Annually
15.	Inspect the PC power cord	The PC power cord is the correct 14 AWG cable. The PC power cable plug is good order.	Annually

SECTION 5 - MAINTENANCE CHECK LIST

CHECKLIST TO INSURE PROPER SYSTEM OPERATION

Date	
XIS Model	
XIS Serial Nbr	
Technician	

	CHECKLIST ITEM	DESIRED RESULTS	INSPECTION INTERVAL
1.	Inspect the conveyor belt alignment	The belt is centered at both the entry and exit ends of the belt. The separation between the left edge of the belt and left edge of the x-ray tunnel wall should be equal to the separation between the right edge of belt and the right side of x-ray tunnel wall.	Monthly
2.	Inspect the conveyor belt for wear	The belt shows no sign of abnormal wear or tear. The edges of the belt show NO fraying cuts	Every 6 months
3.	Inspect the conveyor belt lacing.	The lacing strip show NO sign of abnormal wear. The lacing wire thread through the entire threading strip. The tail ends of lacing are properly crimped and trimmed	Every 6 month
4.	Inspect the photocells	The photocells are properly wired and securely fastened down. The photocells are aligned. The receiver indicates a clear signal from the transmitter.	Annually
5.	Inspect the x-ray curtains	The curtains should show no sign of abnormal wear. The curtains sheets are layered and staggered correctly. There are no missing vertical curtain strips. The curtain strips are trimmed smartly allowing no light leakage into the tunnel.	Monthly