Protocol	Date:	Serial-No.:			
Evaluati	ng the Condition of the Sy	/stem			
	The system has no deficiencies. *				
	The system has slight deficiencies that ued operation of the system. The defic preventively. *				
	The system has serious deficiencies. For operation of the system is permitted or recting the deficiencies.				
	*) For imaging systems: The result of the image quality check shows no deviation from the reference values.				
	The evaluation was performed after co	mpleting all work steps.			
	Signature:				
	Date:	Name:			
	If required by country-specific regulation The customer or a representative has to system condition.		e evaluation of the		
		Signature:			
	Date:	Name:			
	Remarks:				

In Progress

Protocol Date: Serial-No.: 3

Remarks Regarding the Protocol

The chapter numbers refer to the chapters in the instruction, which is referenced on the cover page.

All pages have to have the serial number of the system and the date of maintenance in the page header.

The assignment n.a. (not applicable) indicates that the checkpoint or measured value is not used for this system.

On page 2 the completeness and the results of the maintenance work is confirmed.

Explanation of Abbreviations in the Protocol

Abbrev.	Explanation	Abbrev.	Explanation
SI	Safety Inspection	PMF	Preventive Maintenance, Operating Value Check, Function Check
SIE	Electrical Safety Inspection	Q	System Quality, Image Quality
SIM	Mechanical Safety Inspec- tion	QIQ	Image Quality
PM	Preventive Maintenance	QSQ	System Quality Check
PMP	Periodic Preventive Mainte- nance	SW	Software Maintenance
PMA	Preventive Maintenance Adjustments	CSE	Customer Service Engineer

4	Protocol	Date:	Serial-No.:	

Measuring Equipment and Measuring Instruments Used

Measuring instruments and measuring devices (phantoms, MR coils, etc.) may not be entered in the table if they have already been entered in the mobile device.

Measuring equipment / -instruments	Serial No.	Date use

Protocol	Date:	Serial-No.:	
			OK mot n.a. OK
2	Part 1 AXIS/User	Interfaces/RTC/Displays	
2.2	General Visual Check	k	
2.2.1	Visual Check per IEC 623	l .	
	SI Checking the cab	ver Panels or documents present ole corrugated hoses ole corrugated hoses (of mobile compo-	
	SI Checking the Rac SI Checking warning	fiation Safety Panels g labels	
	Maintenance steps of this	s section was performed by:	
		Signature:	
	Date: 13-Dec-2018	Name:	
2.3	Image System (AXIS))	
2.3.2	Mechanical Safety		
2.3.2.1	Visual Check		
	SI Components		
2.3.2.2	Checking the Internal Ur	nit	
	PM Image System PM ACE Module		
2.3.3	Electrical Safety		
2.3.3.1	Visual Check		
2.3.4	SI Components Periodic Preventive Mair	ntenance	
2.3.4.1	Replacing the Batteries		
	-	i/IAS (A/B) Batteries	
	Startup Date:		
	Date of Last Replacement	t DD MMM YYYY	
2.3.5	Operating Values, Inspec	ction	
2.3.5.1	Checking the System Tin		
	PMF Checking and Set	tting the System Time	
2.3.5.2	Function Check		
	PMF Imaging system		

Protocol		Date:		Serial-No.:	
					OK mot n.a. OK
2.3.5.3		in the Service Mo			
	PMP	Reading out the I	Error Log		
	Mainte	nance steps of this	s section was performe	d by:	
			Signature: Mv	he	
	Date:	13-Dec-2018	Name:		
2.4	User ii	nterfaces			
2.4.2	Safety	Inspection			
2.4.2.1	Mechai	nical Safety			
	SIM	Housing Parts			
2.4.3	SIM	Mounting parts			
2.4.3.1	Compo	nents			
2.4.5.1	PMP	Cleaning			
	PMF	Function Test			# H H
2.4.3.2	Joystic	k Test			
	PMF	Joystick Test begi	inning with VC13x		
2.4.3.3	DDIS		-		
	PMP	Cleaning			
	PMF	Function Test			
	SIE		ndition of the Ground V	Vires	
2.4.3.4		l Modules			
	PMP PMP	Cleaning Visual Check			띍님님
	PMF	Function Check			#HH
	SI	Emergency Stop	Switches		
2.4.3.5	Footsw	itch			
	PMP	Visual Check			
	PMP	Cleaning			
2.426	PMF	Function Check			
2.4.3.6	Handsv				
	PMP PMP	Mechanical Chec Cleaning	K		% H H
	. 1011	Cicriming			

Protocol	Date:	Serial-No.:	
			OK mot n.a. OK
	PMF Function Check		
	Maintenance steps of th	is section was performed by:	
		Signature: Muchl	
	Date: 13-Dec-2018	Name:	
2.5	Wireless Footswitch	n (optional, 24 months)	
	Option present:	Yes: 🗹 No: 🗌	
		Signature: Mull	
	Date: 13-Dec-2018	Name:	
2.5.2	Safety Inspection, Mech	hanical Safety	
2.5.2.1	Visual Inspection		
252	SI Components	o Classics	
2.5.3	Preventive Maintenanc PMP Cleaning	e, cleaning	
2.5.3.1	Periodic Preventive Mai	intenance	
2.3.3.1	PMP Replacing the Ba		
	Startup Date:		
	Date of Last Replacemen	_	
2.5.3.2	Operating Value Inspec		
2.5.4	PMF Function Check Electrical Safety		
2.5.4.1	Visual Inspection		
2151111	SI Components		
	Maintanance stees of th	is section was performed but	
	Maintenance steps of th	is section was performed by:	
		Signature: Much	
	Date: 13-Dec-2018	Name:	
2.6	FD Cooling Unit		
2.6.2	Periodic Preventive Ma	intenance	
	PM Inspecting the F PM Checking the Co		
		In Progress	

8	Protocol	Date:	Serial-No.:	
				OK mot n.a. OK
		PM Checking the Detector	Coolant	
		PMP Cleaning the Cooling F	ins	
		Maintenance steps of this secti	on was performed by:	
		Sign	iture: Mahal	
		signi	Mille. Mille	
		Date: 13-Dec-2018 Nam	2:	
	2.7	Real-Time Controller (RTG	:)	
	2.7.2	Electrical Safety		
		SI Check of the Bypass m	ode	
		SIE Connectors and Cables		
	2.7.2.1	Periodic Preventive Maintena	nce	
		PMP Cleaning		
		Maintenance steps of this sect	on was performed by:	
		Cian	iture: Mahl	
		Sign	iture: Malne	
		Date: 13-Dec-2018 Nam	ė:	
	2.8	Large Display		
		Present: Yes:	Material No.:	
		No:	Serial no.:	
			Signature: World	
			70	
		Date: 13-Dec-2018	Name:	
	2.8.2	Mechanical Safety		
	2.8.2.1	Visual Inspection of Exterior		
		PMP Damage		
	2.8.2.2	Mount		
		SIM Display Mount		
	2.8.3	Inspection and Maintenance		
		QSQ Check / Cleaning of the		
		QSQ Brightness and Contra: QSQ Error / Warning	t	
	2.8.4	Upkeep		
		PMP Cleaning the TFT Moni	tor	
			77.	

Protocol	Date:	Serial-No.:	
			OK not n.a. OK
2.8.5	Final Work Steps		
2.8.5.1	Installing the Cover Pa	nels	
	PMP Unit Cleaning		
2.8.5.2		splay Protective Screen (Option)	
2.8.5.3	PMP LD Protective So Electrical Safety	creen, Checking and Cleaning	
2.0.5.3	SIE Cables and Con	nectors	
	SIE Ground Wire Te		
	Maintenance steps of the	his section was performed by:	
		The second of th	
		Signature: Much 2	
	Date: 13-Dec-2018	Name:	
2.8	Large Display		
	Present: Yes:	Material No.:	
	No.	✓ Serial no.:	
	No:	Serial no.:	
		Signature: Muchil	
	Date: 13-Dec-2018	Name:	
2.8.2	Mechanical Safety		
2.8.2.1	Visual Inspection of Ex	terior	
	PMP Damage		
2.8.2.2	Mount		
2.8.3	SIM Display Mount Inspection and Mainte	nance	
#1. CF 1. 12	QSQ Check / Cleanin		
	QSQ Brightness and	Contrast	
204	QSQ Error / Warning		
2.8.4	Upkeep PMP Cleaning the Ti	ET Monitor	
2.8.5	Final Work Steps	World	
2.8.5.1	Installing the Cover Pa	inels	
	PMP Unit Cleaning		
2.8.5.2	Installing the Large Dis	solay Protective Screen (Option)	
	PMP LD Protective S	creen, Checking and Cleaning	
		In Progress	

10	Protocol	Date:	Serial-No.:	
				OK not n.a. OK
	2.8.5.3	Electrical Safety		
		SIE Cables and Conne		
		SIE Ground Wire Test		
		Maintenance steps of this	s section was performed by:	
			Signature: Muchl	
		Date: 13-Dec-2018	Name:	
	2.9	Cockpit (9x) (Option)	1	
		Present: Yes:	Material No.:	
		No:	Serial no.:	
			Signature: Muhl	
		Date: 13-Dec-2018	Name:	
	2.9.2	Mechanical Safety		
	2.9.2.1	Visual Inspection of Exte	rior	
	2.9.3	PMP Damage Inspection and Maintena	ance	
	2.9.3.1	TFT Display	ince	
	2151511	QSQ Brightness and Co	ontrast	
	2.9.3.2	Cockpit Controller		
		PMP Checking / Cleaning	ng the Fan	
	204		including fan rpm monitoring	
	2.9.4	Upkeep PMP Cleaning the TFT	Monitor	
	2.9.5	Final Work Steps	WOMEN	
	2.9.5.1	Electrical Safety		
		SIE Cables and Conne SIE Ground Wire Test		
		Maintenance steps of this	section was performed by:	
			Signature: While	
		Date: 13-Dec-2018	Name:	

Protocol	Date:	Serial-No.:	
			OK not n.a. OK
2.9	Cockpit (9x) (Option)		
	Present: Yes:	Material No.:	
	No:	Serial no.:	
		Signature: Nuhl	
	Date: 13-Dec-2018	Name:	
2.9.2	Mechanical Safety		
2.9.2.1	Visual Inspection of Exte	erior	
2.9.3	PMP Damage Inspection and Maintena	2000	
2.9.3.1	TFT Display	since	
2.7.5.1	QSQ Brightness and Co	ontrast	
2.9.3.2	Cockpit Controller		
	PMP Checking / Cleani	ng the Fan	
	PMP Errors / Warnings	, including fan rpm monitoring	
2.9.4	Upkeep		
	PMP Cleaning the TFT	Monitor	
2.9.5	Final Work Steps		
2.9.5.1	Electrical Safety SIE Cables and Conne	neto ve	
	SIE Ground Wire Test		
	Maintenance steps of this	s section was performed by:	
		Signature: While	
	Date: 13-Dec-2018	Name:	
2.10	TFT Monitor		
	Present: Yes:	✓ Material No.: 10293047	
	No:	Serial no.:	
		Signature: Would	
	Date: 13-Dec-2018	Name:	

		OK not n.a. OK
2.10.3	Mechanical Safety	
2.10.3.1	Visual Inspection of Exterior	
24022	PMP Damage	
2.10.3.2	Mount	
2.10.4	SIM Installation of the TFT Monitor Electrical Safety	
	SIE Cables and Connectors	
	SIE Ground Wire Test	
2.10.5	Inspection and Maintenance	
	QSQ Brightness and Contrast	
2.10.6	Upkeep	
	PMP Cleaning the TFT Monitor	
	Maintenance steps of this section was performed by:	
	Signature: Xhahl	
	Signature: Nowl	
	Date: 13-Dec-2018 Name:	
2.10	TFT Monitor	
	Present: Yes: ✓ Material No.: 10293047	
	No: Serial no.:	
	Signature Muhl	
	Date: 13-Dec-2018 Name:	
2.10.3	Mechanical Safety	
2.10.3.1	Visual Inspection of Exterior PMP Damage	
2.10.3.2	Mount	
	SIM Installation of the TFT Monitor	
2.10.4	Electrical Safety	
	SIE Cables and Connectors	
2405	SIE Ground Wire Test	
2.10.5	Inspection and Maintenance QSQ Brightness and Contrast	
	Q3Q brightness and contrast	

Protocol

Date:

Protocol	Date:	Serial-No.:	
2106	Halisaa		OK mot n.a. OK
2.10.6	Upkeep PMP Cleaning the TFT	Monitor	
	Maintenance steps of this	section was performed by:	
		Signature: While	
2.10	Date: 13-Dec-2018 TFT Monitor	Name:	
	Present: Yes:	✓ Material No.: 10293047	
	No:	Serial no.:	
		Signature: Whell	
	Date: 13-Dec-2018	Name:	
2.10.3	Mechanical Safety		
2.10.3.1	Visual Inspection of Exte	rior	
	PMP Damage		
2.10.3.2	Mount	**************************************	
2.10.4	SIM Installation of the Electrical Safety	: IF I Monitor	
	SIE Cables and Conne SIE Ground Wire Test		
2.10.5	Inspection and Maintena	ince	
	QSQ Brightness and Co	ontrast	
2.10.6	Upkeep		
	PMP Cleaning the TFT	Monitor	
	Maintenance steps of this	s section was performed by:	
		Signature: While	
	Date: 13-Dec-2018	Name:	

4	Protoco	Date:		Serial-No.:	
					OK not n.a.
	2.10	TFT Monitor			
		Present: Yes:	~	Material No.: 10293047	
		No:		Serial no.:	
				Signature: Xuchl	
	2.10.3	Date: 13-Dec-2018 Mechanical Safety	3	Name:	
	2.10.3.1	Visual Inspection of Ex	cterior		
		PMP Damage			
	2.10.3.2	Mount			
	2.10.4	SIM Installation of Electrical Safety	the TFT N	Monitor	
		SIE Cables and Cor SIE Ground Wire To			
	2.10.5	Inspection and Mainte	enance		
		QSQ Brightness and	Contras	t	
	2.10.6	Upkeep	FT 1.425-34		
		PMP Cleaning the T	ri Monit	or	
		Maintenance steps of t	his section	on was performed by:	
			Signa	iture: Whil	
		Date: 13-Dec-2018	l Name	e;	
	2.10	TFT Monitor			
		Present: Yes:		Material No.:	
		No:	V	Serial no.:	
				Signature: While	
		Date: 13-Dec-2018	3	Name:	
	2.10.3	Mechanical Safety			
	2.10.3.1	Visual Inspection of Ex PMP Damage	cterior		
	2.10.3.2	Mount			
		SIM Installation of	the TFT N	Monitor	
				In Progress	

Protocol	Date:	Serial-No.:	
			OK mot n.a. OK
2.10.4	Electrical Safety		
	SIE Cables and Conr SIE Ground Wire Te		
2.10.5	Inspection and Mainter	nance	
100 100 2 100 100 1	QSQ Brightness and (Contrast	
2.10.6	Upkeep	Fildering	
	PMP Cleaning the TF		
	Maintenance steps of th	is section was performed by:	
		Signature: Www.l	
	Date: 13-Dec-2018	Name:	
2.10	TFT Monitor		
	Present: Yes:	Material No.:	
	No:	✓ Serial no.:	
		Signature: Xwhl	
	Date: 13-Dec-2018	Name:	
2.10.3	Mechanical Safety		
2.10.3.1	Visual Inspection of Ext	erior	
21022	PMP Damage		
2.10.3.2	Mount SIM Installation of th	ne TET Monitor	
2.10.4	Electrical Safety	ie ii i Mollitoi	
	SIE Cables and Conr		
3.40.5	SIE Ground Wire Tes		
2.10.5	Inspection and Mainten QSQ Brightness and 0		
2.10.6	Upkeep	50116434	
	PMP Cleaning the TF	T Monitor	
	Maintenance steps of th	is section was performed by:	
		Signature: Would	
	Date: 13-Dec-2018	Name:	

16	Protocol	Date:	Serial-No.:	
				OK mot n.a. OK
	2.10	TFT Monitor		
		Present: Yes:	Material No.:	
		No: 🔽	Serial no.:	
			Signature Much	
		Date: 13-Dec-2018	Name:	
	2.10.3	Mechanical Safety		
	2.10.3.1	Visual Inspection of Exterior		
	2.10.3.2	PMP Damage Mount		
	2.10.3.2	SIM Installation of the TFT	Monitor	
	2.10.4	Electrical Safety	WOTITO	
		SIE Cables and Connector	5	
		SIE Ground Wire Test		
	2.10.5	Inspection and Maintenance		
		QSQ Brightness and Contra	st	
	2.10.6	Upkeep		
		PMP Cleaning the TFT Mon	itor	
		Maintenance steps of this sect	ion was performed by:	
		Sign	ature: While	
		Date: 13-Dec-2018 Nam	ne:	
	2.10	TFT Monitor		
		Present: Yes:	Material No.:	
		No:	Serial no.:	
			Signature: While	
		Date: 13-Dec-2018	Name:	
	2.10.3	Mechanical Safety		
	2.10.3.1	Visual Inspection of Exterior		
		PMP Damage		
	2.10.3.2	Mount		
		SIM Installation of the TFT	Monitor	
			In Progress	

Protocol	Date:	Serial-No.:	
			OK mot n.a. OK
2.10.4	Electrical Safety		
	SIE Cables and Con SIE Ground Wire Te		
2.10.5	Inspection and Mainter	nance	
	QSQ Brightness and	Contrast	
2.10.6	Upkeep		
	PMP Cleaning the TF	I Monitor	
	Maintenance steps of th	is section was performed by:	
		Signature: While	
	Date: 13-Dec-2018	Name:	
2.10	TFT Monitor		
	Present: Yes:	Material No.:	
	No:	Serial no.:	
		Signature: XWW	
	Date: 13-Dec-2018	Name:	
2.10.3	Mechanical Safety		
2.10.3.1	Visual Inspection of Ext	terior	
	PMP Damage		
2.10.3.2	Mount	TET Manifes	
2.10.4	SIM Installation of th Electrical Safety	ne ir i Monitor	
	SIE Cables and Conr		
2.10.5	SIE Ground Wire Te Inspection and Mainter		
2.10.5	QSQ Brightness and (
2.10.6	Upkeep		
	PMP Cleaning the TF	T Monitor	
	Maintenance steps of th	is section was performed by:	
		Signature: While	
	Date: 13-Dec-2018	Name:	

		OK not n.a. OK
2.11	Final Work Steps	
2.11.2	Performing a System Data Backup	
	SW System Data Backup	
2.11.3	Electrical Safety	
2.11.3.1	Ground Wire Test	
	SIE Ground Wire Test SIE Perform measurement of the ground wires according to II 62353.	EC
	Measured value:	
	Maintenance steps of this section was performed by:	
	Signature: Nucl	
	Date: 13-Dec-2018 Name:	
3	Part 2 Generator/Support Arm System/DCS	
3.2	X-ray Generator	
3.2.2	Safety	
	SI Tube Unit Displays	
3.2.3	Preventive Maintenance	
3.2.3.1	Power cabinet	
	PMP Clean the power cabinet	
3.2.3.2	High voltage connections	
	PMP Check the high voltage connections	
3.2.3.3	Cooling unit	
	PMP Check the cooling hoses	
	PMP Replace the Klüver/Laird pump (every 24 months)	
	Startup Date:	
	Date of Last Replacement DD MMM YYYY	
	PMP Replace the Lytron cooling unit (every 36 months)	
	Startup Date:	
	Date of Last Replacement UU MMM YYYY	
	PMP Replace the pump filter	
	PMP Add cooling water PMP Check the function of the cooling unit.	님님님
	Green the function of the cooling tillt.	

Protocol

Date:

Protocol	Date:	Serial-No.:	
4			OK mot n.a. OK
3.2.3.4	Tube Adjustment		
	PMP Perform Tube Adjust		
3.2.4	Checking the Operating Par		
3.2.4.1	Quick check: Area Dose Proc		
	70.55	n during each maintenance	
3.2.4.2	Technical measurement che		
	QIQ Technical measurem	ent check: Perform every 5 years	
	Startup Date:	_ , ,	
	Date of Last Replacement:	DD MMM YYYY	
3.2.4.3	Brief Description of the Test	<u> </u>	
3.2.4.4	Test procedure for Area dos	e product	
	QIQ Adjustment values		
	Setting Values		
	U _a = kV; Q _a =	mAs; r _F = cm;	
		mrs, re- cm,	
	QIQ Determined values		
	Determined Values		
	Exposure dose	$K_{\xi} = \triangle$ cGy;	
	Radiation field size in the me	easuring plane A = cm²	
3.2.4.5	Evaluation		
	QIQ Determined FDPg		
	Determined FDP _g		
	$FDP_q = K_E \times A =$	x = cGy x cm ²	
	QIQ Displayed FDPa		
		- 3	
	Displayed FDP _a =	cGy x cm ²	

		OK not n.a. OK
	QIQ Difference in %	
	Difference - %	
	Measurement device meets the specifications	
	Yes no	
	Maintenance steps of this section was performed by:	
	Signature:	
	Date: Name:	
3.3	Support Arm System (Radiation Shield, Injector Head)	
	Option present: Yes: No:	
	Signature:	
	Date: Name:	
3.3.2	Safety Inspection	
	SIM Checking the Mounting Screws of the Ceiling Rails PMP Mechanical Check	HHH
	SI Check the collision labels for legibility.	
3.3.3	Cleaning	
	QSQ Clean the contact surfaces of the ceiling rails.	
	Maintenance steps of this section was performed by:	
	Signature:	
	Date: Name:	
3.4	DCS	
	Present: Yes: Material No.:	
	No: Serial no.:	
	Signature XVIII	
	Date: 13-Dec-2018 Name:	

Protocol

Date:

Protocol		Date:		Serial-No.:	
3.4.2	Preven PMA PM PM	tive Maintenance Weight Compen Cover Panels Ceiling Rails		s, Weight Compensation	OK most n.a.
3.4.3	Preven SIM SIM SIM SIM SIM SIM SIM SIM SIM	stand, Display Si Ceiling rail mour Stops Bearings Carriage Support arm Articulated head Display support Display rotation Cables Displays Brakes	upport nting		
3.4.4	Preven	tive Maintenanc	e, Cleaning		
	PM PM PM PMF PM	Cleaning Electrical connect Displays Stand movemen Cover Panels			
3.4.5	Electric	al Safety			
	SIE SIE SIE	With the Ceiling configured Height Limitatio Cap on the supp Ground Wire Tes	n ort arm	I Plane and Extended DCS	
	Mainte	enance steps of th	is section was	performed by:	
	Date:	13-Dec-2018	Signature: Name:	Mohl	

3.4	DCS	OK mod n.a. OK
	Present: Yes: Material No.:	
	No: Serial no.:	
	Signature:	_
	Date: Name:	
3.4.2	Preventive Maintenance Adjustments, Weight Compensation	
	PMA Weight Compensation	
	PM Cover Panels	
	PM Ceiling Rails	
3.4.3	Preventive Maintenance, Checks	
	SI Stand, Display Support	+++
	SIM Ceiling rail mounting SIM Stops	HHH
	SIM Bearings	777
	SIM Carriage	
	SIM Support arm	
	SIM Articulated head	
	SIM Display support	HHH
	SIM Display rotation SIM Cables	HHH
	SIM Displays	777
	SIM Brakes	555
3.4.4	Preventive Maintenance, Cleaning	
	PM Cleaning	
	PM Electrical connections	
	PM Displays PMF Stand movements	HHH
	PMF Stand movements PM Cover Panels	888
3.4.5	Electrical Safety	
	SIE With the Ceiling Stand and 2nd Plane and Extended DCS configured	
	SIE Height Limitation	
	SIE Cap on the support arm	

Protocol

Date:

Protocol		Date:	Serial-No.:	
	SIE Mainte	Ground Wire Tes	st is section was performed by:	UK mot n.a. OK
			Signature:	
	Date:		Name:	
3.5	Final	Work Steps		
3.5.2	Perfor	ming a System Da	ata Backup	
	SW	System Data Bad	ckup	
3.5.3		cal Safety		
3.5.3.1		d Wire Test		
	SIE	Ground Wire Tes Perform measur 62:	st ement of the ground wires according to IEC	
	M	Measured value:		
	Mainte	enance steps of th	is section was performed by:	
			Signature:	
	Date:		Name:	
4	Part	3 Floor stan	nd / Laser Crosshair FD	
4.2	Floor	Stand		
4.2.2	Mecha	nical Safety		
4.2.2.1	Stand	Base		
	SIM	Stand base mou	nting	
4.2.2.2		on Movement		
4.2.2.3	SIM C-Arm	Motor Mount		
4.2.2.3	SIM	C-Arm mount		
	SIM	C-Arm bearing n	nount	7 7 7
	SIM	C-Arm guide, co	The second secon	
4.2.3	SIM Electric	Toothed belts, d cal Safety, Safety	Control of the Contro	
4.2.3.1		cal Isolation	1 = = 9:555	
Section 2 Page 18 of	SIE	Isolated Installat	tion, Dirt	

Protocol		Date:	Serial-No	::
				OK not n.a. OK
4.2.3.2	Checkin	ng the Floor Stand Piv	ot Position	
	SIE	Stand Position Switch	es, Function	
4.2.3.3	Processor Constitution (1984)	unction		
	SIE	Dead man's switch, fu	nction	
4.2.3.4		witches, Functions	Auto de controla	7.00
	SIE	C-Arm safety limit swi Rotation movement li		
4.2.3.5	Contac	t Safety Device		
	SIE	Contact safety switch	es, function	
4.2.3.6	Emerge	ency Stop Function		
4.2.4	SIE Mainte	Testing EMERGENCY S	TOP	
4.2.4.1		nance ng and Lubricating the	Rotation Drive	
7.2.7.1		Cleaning and Lubricat		
4.2.4.2		ng and Lubricating the		200
	PMP	Cleaning and Lubricat		
4.2.4.3	Cleanin	ng and Lubricating the	FD Receptor	
	PMP	Cleaning and Lubricat	ing the FD Receptor	
4.2.4.4	Lubrica	ting and Cleaning the	Pivot Arm Chain	
	PMP	Cleaning and lubricat	ng the pivot arm chain	
4.2.4.5	Corruga	ated Hoses		
4.2.5		Corrugated hoses, cal ing Values, Inspection		
4.2.5.1		ng in the Service Masi		
	PMP	Reading out the error	list	
	PMA		tentiometer difference	
	PMP PMA	AD Converter, check 0 degree setting, check	·k	5 H H
	PMP	Power supply (5 V), C		
4.2.6	Functio	on Inspection		
4.2.6.1		ng the Unit Functions		
4.2.7		Control console, unit fork Steps	functions	
4.2.7.1		ng the Cover Panels o	n the Stand Column	
7181711	PMP	Unit, cleaning	www.commi	
		any araning		

Protocol

Protocol	Date:	Serial-No.:					
			OK not n.a. OK				
	PMP Replacing the IS	O-Center Display Lamp					
	Startup Date:	✓ 19 . Sep . 2018					
	Date of Last Replacemen	nt: DD MMM YYYY					
4.2.7.2	Electrical Safety						
	SIE Cables and Con SIE Ground Wire Te						
	Maintenance steps of this section was performed by:						
		Signature:					
	Date:	Name:					
4.3	Laser Crosshair FD (FD Laser Light) Option					
	Option present:	Yes: No: 🗸					
		Signature:					
	Date:	Name:					
4.3.2	Mechanical Safety						
		er Crosshair Covers					
4.3.4	Maintenance						
436	PMP Cleaning the Las	ser Crosshair FD					
4.3.6	Function Inspection PMF Checking Functi	ons and Adjustment					
	Maintenance steps of this section was performed by:						
		Signature:					
	Date:	Name:					

26	Protocol	Dat	te:		Serial-No.:		
						OK not n.a. OK	
	4.4	Collimator (24					
	4.4.2	Periodic Prevent					
	4.4.2.1	Replacing the Ai					
		PMP Replacing					
		Startup Date:					
		Date of Last Repl	acemer	nt 🗌	DD MMM YYYY		
		Maintenance ste					
				Signati	ure:		
		Date:		Name:			
	4.5	Final Work Ste					
	4.5.2	Performing a Sys	stem Da	ta Back	ир		
		SW System D					
	4.5.3	Electrical Safety					
	4.5.3.1	Ground Wire Tes	t				
		SIE Perform 62353.					
		Measured v					
		Maintenance ste					
		Signature:					
		Date:		Name:			
	5	Part 4: Patio	ent Ta	able/L	JPS/Final Work Steps		
	5.2	Patient Table					
		Present:	Yes:	~	Material No.: 5767020		
			No:		Serial no::		
					Signature: While		
	5.2.3	Date: 13-Dec	- 11 to - 12 t		Name:		
				, Checki	ing the Mounting		
					In Progress		

	SIM Check of the Hydraulic Systems	OK not n.a.	
	SIE Testing the 520 Table Tilt Switch (only with tilting table, Part No. 57 67 020)		
	SIM Checking the Function of the Tabletop Brakes		
	SIM Checking for Damage to the Tabletop(s)		
	SIM Checking the Accessories		
5.2.4	Electrical Safety		
	SIE Testing EMERGENCY STOP		
	SIE Test the tabletop contact safety device.		
	SIE Test tabletop sensing.		
	SIE Testing Table Lift		
5.2.4.1	Tilting Table only, Part No. 5767020 and OR table, Part No. 5767053	a a a	
5.2.5	SIE Testing Table Tilt Periodic Preventive Maintenance		
3.2.3			
F 2.6	PMP Cleaning / Lubricating		
5.2.6	Final Work Steps		
5.2.6.1	Installing the Cover Panels		
	PMP Unit, Cleaning		
5.2.6.2	Electrical Safety		
	SIE Cables and Connectors SIE Ground Wire Test		
	Sie Glouid Wife Test		
	Maintenance steps of this section was performed by:		
	Signature: Would		
	Date: 13-Dec-2018 Name:		
5.3	Uninterruptible Power Supply (UPS)		
	Option present: Yes: No: 🗸		
	Signature:		
	Date: Name:		
5.3.3	Periodic Preventive Maintenance		
	PMP UPS Signal		
5.3.4	Function Inspection		
	PMP Checking the Function of the UPS		

Protocol

Date:

Protoco	I	Date:	Serial-No.:				
				OK not n.a. OK			
5.3.4.1	Emerg	ency Power Supply fo	or the complete System, incl. Fluoroscop	y			
	PMF	oroscopy, Function 1					
5.3.4.2	Emerg	ency Power for Table/Unit/Image System					
	PMF	Emergency Power fo	or Table/Unit/Image System				
5.3.4.3	Emerg	ency Power for the Ir					
	PMF	Emergency Power fo	or the Image System, Function Test				
	Mainte	Maintenance steps of this section was performed by:					
		Sig	gnature:				
	Date:	Na	ime:				
5.4	Final	Work Steps					
5.4.1	Image	Quality					
	QIQ	IQAP Maintenance T	est				
5.4.3	Resetti	ting the Maintenance Counter					
	PM	Resetting the Maintenance Counter					
5.4.4	Perfor	forming a System Data Backup					
	SW						
5.4.5		Electrical Safety, Ground Wire Checks SIE Ground Wire Check					
	SIE						
Measured value: < 200 mohm							
Maintenance steps of this section was performed by:							
		Sig	gnature:				
	Date:	Na	nme:				

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