Index	Activity	Task	Input	Output-Of Index	Function	Output	References
			, , ,			Table/Entry with attributes	
1.1.1	Strategic Preparation	Establish baseline of ICS	Available information of devices;	EXTERNAL	Identify field devices	[Serial number, manufacturer, modules, (I/O) ports, location, connections, MAC, Interfaces];	[1]
1.1.2	Strategic Preparation	Establish baseline of ICS	Available information of Actuators/Sensors;	EXTERNAL	Identify actuators and sensors	Table with attributes [Serial number, manufacturer, modules, (I/O) ports, location, connected field devices];	[1]
1.1.3	Strategic Preparation	Establish baseline of ICS	Available information of industrial PC/OS;	EXTERNAL	Identify industrial IT components	2011001	
1.1.4	Strategic Preparation	Establish baseline of ICS	IT asset inventory;	EXTERNAL	Acquire IT asset inventory	Entries to ICS asset inventory with IT components;	
115		Fatablish baseling of ICC	IT components attributes;	1.1.3;			(4)
1.1.5	Strategic Preparation	Establish baseline of ICS	· ·	EXTERNAL	Identify adaptions of IT components (OS) for industrial environment	Adaptions/Differences of IT components for industrial environment;	[1]
1.1.6	Strategic Preparation	Establish baseline of ICS	Available information of network components;	EXTERNAL	Identify network components	Entries with network components in asset inventory;	[1]
				1.1.1;		Functionality [Effecting Audit/Logging];	
1.1.7	Strategic Preparation	Establish baseline of ICS	See Output-Of Index	1.1.2;		Forensics Compliant;	[1]
				1.1.4;		Reference materials available;	
				1.1.5;	Identify old or unsupported systems (legacy systems)		
				1.1.1,		Functionality [Effecting Audit/Logging];	
1.1.8	Strategic Preparation	Establish baseline of ICS	See Output-Of Index	1.1.4;		Forensics Compliant;	[1]
				1.1.5;	Identify supported and undocumented technology systems (modern/proprietary systems)	Reference Materials Available;	
1.1.9	Strategic Preparation	Establish baseline of ICS	Available information of field bus components;	EXTERNAL	Identify field bus components	Entries with field bus components in asset inventory;	[1]
				1.1.1;	· · ·	·	
1.1.10	Strategic Preparation	Establish baseline of ICS	See Output-Of Index	1.1.2;	Generate asset inventory	Final searchable asset inventory with all components and their attributes;	[1]
1.1.10	Strategic Freparation	Establish baseline of ics	see Output-Of maex	1.1.4;	Generate asset inventory	rinal searchable asset inventory with all components and their attributes,	[1]
				1.1.5;			
1.1.11	Strategic Preparation	Establish baseline of ICS	Connections of assets;	1.1.1; 1.1.2; 1.1.6; 1.1.10;	Identify internal and external connections	Connections to and from partner or peer locations; Access to mechanisms used by the vendor to support control systems technology; Access to mechanisms used by contractors to support control systems environments; Actual relationships between oyber resources and real-world operations; The pervasiveness of effective cyber security policies governing control systems operations; Information exchange mechanisms within the supply chain; Used protocols;	[1]
1.1.12	Strategic Preparation	Establish baseline of ICS	Asset inventory; Internal and external connections;	1.1.9; 1.1.10;	Determine architecture	Known vulnerabilities; Available security and safety mechanisms; Connections; All available components;	[1]
1.1.13	Strategic Preparation	Establish baseline of ICS	Asset inventory; Internal and external connections; Architecture;	1.1.9; 1.1.11;	Identify attack paths	Networkconnections required visibility on;	[1]
			Asset inventory;	1.1.10:			
1.1.14	Strategic Preparation	Establish baseline of ICS	Internal and external connections;	1.1.11;	Generate threat model	Locations/Assets required visibility on;	
2.2.2-7	Strategie i reparation	Establish baseline of res	Architecture;	1.1.13;	deficiate uncut model	Eccations/ assess required visionity on,	
			Attack paths;				
1.1.15	Strategic Preparation	Establish baseline of ICS	Engineering workstation files;	EXTERNAL	Store Project files	Secure and forensic compliant files for further retrieval;	[2]
1.1.16	Strategic Preparation	Establish baseline of ICS	Field devices, actuators and sensors (were applicable) configuration;	1.1.10; 1.1.15;	Store hardware configuration	Secure and forensic compliant storage of original configuration;	[2]
1.1.17	Strategic Preparation	Establish baseline of ICS	Wiring diagrams of field device/bus with actutors and sensors;	1.1.1; 1.1.2; 1.1.10;		Secure and forensic compliant storage of intended files;	[2]
				1.1.15; 1.1.1:	Store Wiring diagrams		
1.1.18	Strategic Preparation	Establish baseline of ICS	Field devices;	1.1.1; 1.1.10;		Secure and forensic compliant storage of intended control logic;	[2]
1.1.10	Strategic Freparation	Establish baseline of ics	rield devices,	1.1.15;	Store control logic programs	secure and forensic compliant storage of intended control logic,	[2]
				1.1.6:	Store control logic programs		
1.1.19	Strategic Preparation	Establish baseline of ICS	Network components cofigurations;	1.1.10;		Secure and forensic compliant storage of intended network configurations;	[2]
				1.1.15;	Store network configuration		
			All (IT) components;	1.1.10;			
1.2.1	Strategic Preparation	Identification of data sources	All Assets with storage capabilities;	1.1.12;	Identify all databases	available databases and their specific data;	[1]
			Architecture;				
1.2.2	Strategic Preparation	Identification of data sources	field devices;	1.1.1;	Identify data storages of components	field components with storage functions/capabiltiies and their data;	[1]
1.2.3	Strategic Preparation	Identification of data sources	Asset inventory;	1.7.8;	Locate external storage media	Available external storage media and devices;	[3]
1.2.4	Strategic Preparation	Identification of data sources	available data sources;	1.1.1; 1.1.10; 1.2.1; 1.2.2:	locate data sources	Location of data source within architecture;	
1.3.1	Strategic Preparation	Determining known and unknown data types (data model)	data sources;	1.2.5;	Analyze data source content	data types and evidence;	
1.3.2		Determining known and unknown data types (data model)		1.1.11;	·		[42]
1.3.2		Determining known and unknown data types (data model)	Connections to and from partner or peer locations;	1.1.12;	Identify used protocols	used protocols in architecture;	[4]
1.3.3	Strategic Preparation	Determining known and unknown data types (data model)	Identified protocols of devices;	EXTERNAL; 1.1.1; 1.3.2;	Analyze fields protocol	pattern/bytes of protocol;	[4]
1.3.4	Strategic Preparation	Determining known and unknown data types (data model)	Engineering workstation files;	1.3.2;	Analyze fields protocol Analyze project filetypes	content of specific filetypes;	
			Storaged configuration files;	1.1.16;	rainific project metypes		
1.3.5	Strategic Preparation	Determining known and unknown data types (data model)	Network components cofigurations;	1.1.19;	Analyze configurationfiles	specific content of configurations;	
1.3.6	Strategic Preparation	Determining known and unknown data types (data model)	field devices content;	1.1.1; 1.2.4;	Analyze firmware files	firmware;	[5]
1.3.7	Strategic Preparation	Determining known and unknown data types (data model)	Stored control logic files;	1.1.18;		control logic ;	
		, , , , , , , , , , , , , , , , , , , ,	Location of data sources;	1.1.19;	Analyze control logic files		

				1.1.14;			
				1.1.15:			
				1.1.16:			
				1.1.17:			
				1.1.18;			
				1.2.1;			
				1.2.2;			
1.3.8	Strategic Preparation	Determining known and unknown data types (data model)	All data sources content:	1.2.3;	add available data types to the data model	available data (types) in ICS with forensic value/adapted data model;	
2.5.0	Strategie i reparation	beterming known and anknown data types (data model)	7 in data sources content,	1.2.4;	and available data types to the data model	available data (types) in les with foreitste value, adapted data model,	
				1.3.1;			
				1.3.2;			
				1.3.3;			
				1.3.4:			
				1.3.5;			
				1.3.6;			
				1.3.7:			
1.4.1	Strategic Preparation	Assesment of forensic capabilities	Assets;	1.1.10;	Identify logging capabilities	Existing logging capabilties in archtiecture;	[1]
1.4.1				1.1.1:			[1]
1.4.2	Strategic Preparation	Assesment of forensic capabilities	field devices; Assets;	1.1.1;	Identify devices interfaces	existing interfaces to retrieve forensic data;	
1.4.3	Strategic Preparation	Assesment of forensic capabilities			11.27 6 1.4	existing software interface to retrieve forensic data;	
		<u> </u>	data sources;	1.2.4;	Identify software interfaces	*	
			Location of data source within architecture;				
			Existing logging capabilties in archtiecture;	1.2.4;			
1.4.4	Strategic Preparation	Assesment of forensic capabilities	existing interfaces to retrieve forensic data;	1.4.1;	check existing ways to access data live in the ICS in conjunction with data model	live capabilities to retrieve forensic data;	
2.4.4	StrateBie i Tebaration	, occanions or revenue capabilities	existing software interface to retrieve forensic data;	1.4.2;	S. C. S. CASCANG WAYS TO DECESS AND ARE AT THE TEST IN CONJUNCTION WITH DATA HIDDE	inte capabilities to retrieve forefisie data,	
			live capabilities to retrieve forensic data;	1.4.3;			
			post mortem capabilites to retrieve forensic data;				
			Location of data source within architecture;				
			Existing logging capabilties in archtiecture;	1.2.4;			
			existing interfaces to retrieve forensic data;	1.4.1;		and the second s	
1.4.5	Strategic Preparation	Assesment of forensic capabilities	existing software interface to retrieve forensic data;	1.4.2:	check existing ways to access data post mortem in the ICS in conjunction with data model	post mortem capabilites to retrieve forensic data;	
			live capabilities to retrieve forensic data;	1.4.3;			
				1.4.5,			
			post mortem capabilites to retrieve forensic data; Location of data source within architecture:	1.4.1;			
			Existing logging capabilties in archtiecture;	1.4.2;			
1.4.6	Strategic Preparation	Assesment of forensic capabilities	existing interfaces to retrieve forensic data;	1.4.3;		required measures for compliance;	
			existing software interface to retrieve forensic data;	1.4.4;		., , ,	
			live capabilities to retrieve forensic data;	1.4.5;			
			post mortem capabilites to retrieve forensic data;	1.4.6;	Check compliance of forensic capabilities		
				1.4.1;			
				1.4.2;			
			Culation formation and Military	1.4.3;			
1.5.1	Strategic Preparation	Determination of forensic measures	Existing forensic capabilities;	1.4.4;		required forensic capabilities;	
			Data model;	1.4.5;			
				1.4.6:			
				EXTERNAL;	Identify required forensic capabilities		
				1.4.6;			
1.5.2	Strategic Preparation	Determination of forensic measures	required measures for compliance;	1.5.1:		functions for protection goals/compliance of forensic capabilties or functions;	
1.5.2	Strategic Freparation	Determination of foreitsic measures	required forensic capabilities;	EXTERNAL;	Set measures or functions for protection goals measures	functions for protection goals/compliance of forensic capabilities of functions,	
1.5.3	Strategic Preparation	Determination of forensic measures	required forensic capabilities;	1.5.1;	add implementation (view) to selected functions	established implementation view (IIRA compliant);	_
1.5.4	Strategic Preparation	determination of required capacities	established implementation view (IIRA compliant);	1.5.1;	Calculation of data volumes	Required storage capacities;	[3]
1.5.4	Strategic Preparation	determination of required capacities	established implementation view (lika compilant);		Calculation of data volumes	Required storage capacities;	[5]
				1.2.5;			
			data sources;	1.4.3;			
1.6.1	Strategic Preparation	Generation of tool catalog	software interfaces;	1.4.4;		Specific tools for data retrieval and processing;	[6]
			hardware interfaces;	1.4.4;			
				1.4.5;	Assign existing tools		
1.6.2	Strategic Preparation	Generation of tool catalog	Specific tools for data retrieval and processing	1.2.5;		Required tools to be developed;	1
		<u>*</u>		1.6.1;	Identify gaps or missing tools in tool assignment	, , ,	
1.6.3	Strategic Preparation	Generation of tool catalog	Required tools to be developed	1.6.2;	implement missing/required tools	coverage of missing capabilities/tools;	
1.7.2	Strategic Preparation	implementation of forensic capabilities	Required storage capacities	1.5.4;	implement data capacities/storage	availability of storage capacities;	
1.7.3	Stratogic Pti-	implementation of f	Considirations for data set along the desired	1.6.1;		formeric tool kitt- f	(7)
1.7.3	Strategic Preparation	implementation of forensic capabilities	Specific tools for data retrieval and processing;	1.6.2;	build forensic tool kit	forensic tool kit ready for use;	[7]
1.7.4	Strategic Preparation	implementation of forensic capabilities	Specific tools for data retrieval and processing;	1.6.3;	Asses forensic compliance of tools	Required adaption of tools;	
			Specific tools for data retrieval or processing;	1.6.1;			
1.7.5	Strategic Preparation	implementation of forensic capabilities	forensic tool kit ready for use;	1.7.3;	build tool catalog	finished tool catalog;	
			legal requirements;				
1.7.6	Strategic Preparation	implementation of forensic capabilities	regui requirements,	EXTERNAL;	generate (legal) templates for checkists/questionaires etc	document templates for operational preparation;	
1.7.8	Strategic Preparation	implementation of forensic capabilities	established implementation view;	1.5.3;	implement all forensic measures	implemented forensic capabilties;	[1]
2.7.3	2 stegie i reparation	prementation of foreitale capabilities	Available information of incident (IP of IDS alert, serial number		implement un torende meadured	implemented forensie edpaintes,	[+]
2.1.1	Operational preparation	Identification of related assets (and data sources)	Etc.);	EXTERNAL;	retrieve from asset inventory	Affected assets;	
2.1.1	Operational preparation	identification of related assets (and data sources)		1.1.10;	retrieve from asset inventory	Affected assets,	
212	Onestinal assess if	Identification of coloted county (and date	Asset inventory;	2.1.1.	I donatify, donar accounts	related data accuracy of officiated accuracy	(2)
2.1.2	Operational preparation	Identification of related assets (and data sources)	Affected assets;	2.1.1;	Identify data sources	related data sources of affected assets;	[3]
2.2.1	Operational preparation	Preselect potential relevant data	related data sources of affected assets;	2.1.2;	Identify data (types)	potential data required for evidence;	[3]
2.2.1	Operational preparation	Preselect potential relevant data	potential data required for evidence;	2.2.1;	Select relevant data	data to be acquired;	[3]
2.3.1	Operational preparation	Assesment of system impact	function catalog;	1.5.2;		suitable functions for data acquisition;	
	,		potential relevant data and their data sources;	2.2.1;	Filter functions catalog for relevant data/data sources		
2.3.2	Operational preparation	Assesment of system impact	tool catalog;	1.7.5;		suitable tools for data acquisition;	
	, preparation		potential relevant data and their data sources;	2.2.1;	Filter tools catalog for relevant data/data sources		
2.3.3	Operational preparation	Assesment of system impact	suitable functions for data acquisition;	2.3.1;		report of predicted system impact of data acquisition;	
2.3.3	- perational preparation	, osesment or system impact	report of predicted system impact of data acquisition;	2.3.2;	summarize impacts of suitable functions and tools;		
			Estimated duration of shutdown;			Costs of a shutdown;	
2.4.1	Operational preparation	live vs postmortem decision	Replacesystems availability;	EXTERNAL;	Determine business issues	Lost evidence due to impossible post mortem acquisition;	
			, , , , , , , , , , , , , , , , , , , ,	,		Impact on ICS productivity;	
			· · · · · · · · · · · · · · · · · · ·				

_				EVEEDNAL			
2.4.2	Operational preparation	live vs postmortem decision	Impact on ICS productivity;	EXTERNAL; 1.7.6;	Determine legal issues	legal documents and clearances;	[8]
2.4.3			available information of current productivity;	EXTERNAL;	determine regarissues determine production status of ICS	productivity status of the ICS;	
2.4.4	Operational preparation	live vs postmortem decision	legal issues;	2.4.2;		post mortem only or not	
	.,,,.,,		productivity status of the ICS; potential relevant data and their data sources;	2.4.3;	Determine if shutdown occured or plant is already impaired	,,,	
2.4.5	Operational preparation	live vs postmortem decision	potential relevant data and their data sources; tools catalog;	2.2.1;	Determine non-live retrieval data	potential evidence only post mortem retrievable;	
			potential evidence only post mortem retrievable;	2.4.1;			
2.4.6	Operational preparation	live vs postmortem decision	Impact on ICS productivity;	2.4.3;		decision to shut down ICS/post mortem or live;	
2.5.1	0		productivity status of the ICS;	2.4.5;	consider and sum up Asses volatility of data		(0)
2.5.1	Operational preparation Operational preparation	setup of order to retrieve data setup of order to retrieve data	data required to be acquired; volatility of potential data required to be acquired;	2.5.1;	Prioritize data	volatility of potential data required to be acquired; order of data to be acquired;	[9]
L.J.L	operational preparation	setup of order to retrieve data	suitable tools for data acquisition;	2.3.2;	THOMAS data	order or data to be dequired,	[5]
2.6.1	Operational preparation	Create list with data sources and tools for data retrieval	decision for post mortem or live retrievable;	2.4.6;		list of data to be acquired with specific tools;	
2.0.1	Operational preparation	create list with data sources and tools for data retrieval	potential data requried for evidence;	2.2.1;		iist of data to be acquired with specific tools,	
			list of data to be acquired with specific tools;	2.6.1;	assign tools for data retrieval		
3.1.1	Data acquisition	Locate data sources	ICS architecture;	EXTERNAL;		location of data sources with data to be acquired;	
	·		asset inventory;	1.1.10;	lookup data souzrce of potential data to acquired;		
3.2.1	Data acquisition	Collect physical storage media	asset inventory;	1.1.10;		physical data storage components;	[3]
3.2.2	Data acquisition	Collect physical storage media	location of data sources with data to be acquired; physical data storage components;	3.1.1; 3.2.1;	collect external physical storages create forensic compliant dupliciation	forensic proccesable image;	[3]
3.3.1	Data acquisition	Live retrieval of data	traffic tap data;	1.7.8;	capture traffic	traffic captures;	[10]
3.3.2	Data acquisition	Live retrieval of data	I/O tap data;	1.7.8;	capture I/O	I/O values captures;	[10]
3.3.3	Data acquisition	Live retrieval of data	traffic captures;	3.3.1;		forensic compliant logs;	
	7		I/O values captures;	3.3.2;	Translate and store events in audit log file		
						forensic compliant logs; I/O values captures:	
3.3.4	Data acquisition	Live retrieval of data	stored data by implemented forensic capabilities;	1.7.8;		traffic captures;	
			, , , , , , , , , , , , , , , , , , , ,			project files;	
					retrieve from databases	diagnosis files;	
3.3.5	Data acquisition	Live retrieval of data	affected field controller;	1.1.1; 2.1.1;	Acquire firmware live	actual firmware of device;	
3.3.6	Data acquisition	Live retrieval of data	request;	1.2.2;	Acquire Immware live Acquire Controller Status	controller status;	[2]
3.3.7	Data acquisition	Live retrieval of data	visible status indicator of device;	1.1.1;	Determine controller modus status	status (RUN, STOP, MAINT, ERROR)	[2]
3.3.8	Data acquisition	Live retrieval of data	display status/messages;	3.3.7;	Determine display status	diagnosis indicator;	[2]
3.3.9 3.3.10	Data acquisition Data acquisition	Live retrieval of data Live retrieval of data	request to affected device; request to affected device;	1.2.2;	Acquire Variable content data Acquire PLC application Code	Variable content data of affected field controller; application code of affected field controller;	[11] [11]
3.3.11	Data acquisition	Live retrieval of data	request to affected device;	1.2.2;	Acquire PLC Application Code Acquire PLC Meta-Data	meta data of affected PLC;	[11]
			request to affected device;		1		
3.3.12	Data acquisition	Live retrieval of data	projecting software logs;	1.2.2;		errros and events;	[11]
3.4.1	Data acquisition	Post mortem retrieval	related database; device location;	1.1.10;	Acquire device diagnostics and Logs remove field controller from network	disassembled field controller;	[12]
3.4.2	Data acquisition	Post mortem retrieval	retrieved device;	3.4.1;	Place device in isolated network	MiM-excluded manipulation of traffic;	[12]
3.4.3	Data acquisition	Post mortem retrieval	request;	1.2.2;	Acquire Variable content data	Variable content data of affected field controller;	
3.4.4	Data acquisition Data acquisition	Post mortem retrieval Post mortem retrieval	request; request;	1.2.2; 1.2.2;	Acquire PLC application Code Acquire PLC Meta-Data	Application code of affected field controller; meta data of affected PLC;	
3.4.6	Data acquisition	Post mortem retrieval	request;	1.2.2;	Acquire Device Diagnostics and Logs	errros and hints;	
3.4.7	Data acquisition	Post mortem retrieval	request;	1.2.2;	Acquire firmware live	actual firmware of device;	
3.4.8	Data acquisition Data acquisition	Post mortem retrieval Post mortem retrieval	retrieved device; persistent memory component;	3.4.1; 3.4.9;	Identify interfaces Read persistent memory components	available interface types; raw memory binary;	
3.5.1	Data acquisition	Retrieval of IT forensic data	common forensic database;	1.7.8;	Retrieve data acquired by IT forensic process	IT components forensic data;	
0.0.0				EXTERNAL;			
3.6.1	Data acquisition	Acquire witness report	trigger; related personel;	EXTERNAL;	Identify potential witnesses	personel for further questioning;	[13]
3.0.1	Data acquisition	require withess report	status of the field devices;		identify potential withesses	personer for future: questioning,	[13]
				1.7.6;			
3.6.2	Data acquisition	Acquire witness report	questionaire templates;	3.6.1;		filled questionaires;	
			personell for further questioning;		Questioning potential witnesses		
				3.2.1;			
				3.2.2;			
				3.3.1;			
				3.3.3;			
				3.3.4;			
				3.3.5;			
				3.3.6;			
				3.3.7;			
				3.3.8; 3.3.9;			
4.1.1	Examination	Assign acquired data to the data model	OT components forensic data;	3.3.10;	Assign collected OT data to data model	all available OT forensic data structured/filled data model with available data;	
7.2.2	Cadillilotion	. ==-gri dequired data to the data model	or components for clisic data,	3.3.11;	rusign concecca or data to data model	2. 212.22.2 2 . Total State and State and Conference with available data,	
				3.3.12;			
				3.4.1;			
				3.4.2;			
				3.4.3;			
				3.4.4; 3.4.5;			
				3.4.6;			
				3.4.7;			
				3.4.8;			
				3.4.9;			

4.1.2	Examination	Assign acquired data to the data model	IT components forensic data:	3.5.1:	Assign collected IT data to data model	all available IT forensic data structured/filled data model with available data:	
4.2.2	Examination	7 SJight dequired data to the data model	all available OT forensic data structured;	4.1.1;	rising it concected it data to data mode.	an dranable in foreigne data stratedy fined data model with dranable data,	
4.2.1	Examination	Selection of appropriate tools	all available IT forensic data structured;	4.1.2;		extractable data/further artefacts contained in acquired data (types);	
			data model;	1.3.8;	Asses format/aggregation level of acquired data	(7,1-7)	
			all available OT forensic data structured/filled data model with				
			an available OT forensic data structured/filled data model with	4.1.1;			
4.2.2	Examination	Selection of appropriate tools	all available IT forensic data structured/filled data model with	4.1.1,	Asses available data	missing data or gaps in filled data model;	
4.2.2	Examination	Selection of appropriate tools	available 11 foreitsic data structured/filled data filloder with	4.2.1;	Asses available data	missing data of gaps in filled data filoder,	
			extractable data/further artefacts contained in acquired data;	4.2.1,			
			tool catalog;	1.7.5;			
4.2.3	Examination	Selection of appropriate tools	extractable data (types)/further artefacts contained in acquired	4.2.1;		tools to search specific data types;	[3]
			data;		Choose tools to search extractable data types		
4.3.1	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;	Search for connections/requests	connections within acquired data;	
4.3.2	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;	Search for uploads/downloads	uploads/downloads within traffic captures;	
4.3.3	Examination	Identification of artefacts/evidence	uploads/downloads within traffic captures;	4.3.2;	Identify uploaded/downloaded data	bytes position containing payload;	
4.3.4	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;	Search for commands	bytes position containing commands;	
4.3.5	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;	Search for read/write	bytes position containing read/write operations;	
4.3.6	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;		bytes position containing control logic and variables;	
			raw memory binary;	3.4.9;	Search for control logic including variables	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
4.3.7	Examination	Identification of artefacts/evidence	traffic captures;	3.3.1;	County for any debag	bytes position containing updates;	
			4		Search for updates		
4.3.8	Examination	Identification of artefacts/evidence	traffic captures; bytes position containing updates;	3.3.1;		bytes position containing configurations;	
4.5.8	examination	identification of arteracts/evidence	raw memory binary;	4.3.7;	Search for configurations;	bytes position containing configurations;	
			traffic captures;	3.3.1;	Search for configurations;		
4.3.9	Examination	Identification of artefacts/evidence	raw memory binary;	4.3.7;	Search for misc or unidentified data types	bytes position with misc or unknown data types;	
			tool catalog;	·	Search for thisc or unidentified data types		
4.4.1	Examination	Extraction of further data types and artefacts	extractable data (types)/further artefacts contained in acquired	1.7.5;		tools to extract specific data types;	[3]
4.4.1	Examination	Extraction of further data types and arteracts	data;	4.2.1;	Choose tools to extract extractable data types	tools to extract specific data types,	[3]
4.4.2	Examination	Extraction of further data types and artefacts	connections within acquired data;	4.3.1;	Extract connection data	connection details (IP etc.) with timestamp;	
4.4.2	Examination	Extraction of further data types and artefacts	traffic captures;		Extract connection data	connection details (if etc.) With diffestants,	
			bytes position containing updates;	3.3.1;			
4.4.3	Examination	Extraction of further data types and artefacts	bytes position containing payload;	4.3.7;		uploaded/downloaded payload with timestamp;	
			-,,,	4.3.3;	Extract upload/download data		
			traffic captures;	3.3.1;	,		
4.4.4	Examination	Extraction of further data types and artefacts	bytes position containing read/write operations;	4.3.5;	Extract read/write operations	single read/write operations with registers and timestamps;	
			traffic captures;	3.3.1;			
4.4.5	Examination	Extraction of further data types and artefacts	bytes position containing containing commands;	4.3.4;	Extract commands	single commands to devices with timestamp;	
4.4.6	Examination	Extraction of further data types and artefacts	traffic captures;	3.3.1;	Extract reported I/O status;	by protocol reported I/O values with timestamp;	
4.4.7	Examination	Extraction of further data types and artefacts	I/O values captures;	3.3.2;	Extract I/O values	specific I/O values with timestamp from I/O tap;	
			traffic captures;	3.3.1;			
4.4.8	Examination	Extraction of further data types and artefacts	raw bytes containing payload with timestamp;	4.4.3;		control logic binary;	
			bytes position containing control logic with variables;	4.3.8;	Extract control logic with variables		
4.4.9	Examination	Extraction of further data types and artefacts	traffic captures;	3.3.1;		configuration files;	
4.4.5	Examination	Extraction of further data types and arteracts	bytes position containing configuration data;	4.3.8;	Extract configuration data	configuration files,	
			traffic captures;	3.3.1;			
4.4.10	Examination	Extraction of further data types and artefacts	bytes position containing configuration data;	4.3.8;		firmware binary;	
			raw memory binary;	3.4.10;	Extract firmware		
4.4.11	Examination	Extraction of further data types and artefacts	traffic captures;	3.3.1;		control logic binary;	
4.4.11	ZAGITITI GUOTI	Extraction of further data types and artefacts	raw memory binary;	3.4.10;	Extract control logic	control logic billary,	
			traffic captures;	3.3.1;			
4.4.12	Examination	Extraction of further data types and artefacts	bytes position containing configuration data;	4.3.8;		configuration binary;	
			raw memory binary;	3.4.10;	Extract configurations		
			traffic captures;	3.3.1;			
4.4.13	Examination	Extraction of further data types and artefacts	bytes position with misc or unknown data;	4.3.9;		misc or unknown data;	
			raw memory binary;	3.4.10;	Extract misc or unknown data		
			firmware binary;	4.4.10;			
4.4.14	Examination	Extraction of further data types and artefacts	configuration binary;	4.4.12;		available filetypes;	
454		T 10 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	raw memory binary;	3.4.9;	extract file types;	1/0 1 21 22 12	
4.5.1	Examination	Translation into right kind of format	specific I/O values with timestamp;	4.4.7;	convert/parse bytes to human readable I/O values	I/O values with units and timestamp	
4.5.2	Examination	Translation into right kind of format	control logic binary;	4.4.11;	convert/parse bytes to human readable control logic	According IEC 31131-3 filetype	1
452	Fii	Toursdaying into sinht bind of forms:	extracted I/O values;	4.4.6;			
4.5.3	Examination	Translation into right kind of format	PLC control logic;	4.5.2;	Assiss 1/O Assissishing	variable content data with timestamp;	
			I/O captures;	4.4.7;	Assign I/O to variables		
4.5.4	Examination	Translation into right kind of format	single commands to devices with timestamp;	4.4.5;	convert/parse bytes to human readable commands	send commands with specific data and timestamp; received commands with specific data and timestamp;	
4.5.5	Examination	Translation into right kind of format	single read/write operations with registers and timestamps;	4.4.4;	convert/parse bytes to human readable commands convert/parse bytes to human readable read/write operations	send or received read/write operations with specific data and timestamp;	+
4.3.3	EXAMINIBUON	rransiation into right kind of format	single read/write operations with registers and timestamps; control logic binary;	4.4.4;	convert/parse bytes to number readable read/write operations	send of received read/write operations with specific data and timestamp;	+
4.5.6	Examination	Translation into right kind of format	control logic binary; configuration binary;	4.4.8; 4.4.12;		all available filetypes;	
4.5.0	cxammation	Translation into right kind or format	memory binary parts;	4.4.12;	parse raw data to filetypes	an available metypes,	
4.5.7	Examination	Translation into right kind of format	filled questionaires;	3.6.2;	parse raw data to metypes parse answers to computer analysable answers	computer analyzable facts/events with timestamp of witness report;	
				3.0.2,	parse answers to computer analysable answers		

				4.4.2;				
				4.4.3;				
				4.4.4;				
				4.4.5;				
				4.4.6;				
			4.4.7; 4.4.8;					
				4.4.9;				
474				4.4.10;				
4.7.1	Examination	Assigning extracted evidence to data model	all extracted artefacts;	4.4.11;		structurized overview of available and missing evidence (filled data model);		
				4.4.12;				
				4.4.13;				
				4.4.14;				
				4.5.1;				
				4.5.2;				
				4.5.3;				
				4.5.4;				
				4.5.5;				
				4.5.6;	Assigning all extracted data and filetypes to data model			
			specific I/O values with timestamp;	4.4.7;				
			variable content data;	4.5.3;				
5.1.1	Analysis	Identify potential coherences	by protocol reported I/O values;	4.4.6;		events impacting I/O and vice versa;	[14]	
			event logs;	3.3.3;	Correlation of events with I/O status;			
			connections/requests;	4.4.2;	Correlation of events with 1/O status,			
5.1.2	Analysis	Identify potential coherences	event logs;	3.3.3.;	Correlation of events and connections;	related events and connections/request;	[15]	
					Correlation or events and connections;			
		11 27 1 1 1	answers;	4.5.7;				
5.1.3	Analysis	Identify potential coherences	events;	3.3.3;		further related events;		
			I/O data with timestamp;	4.5.1;	Correlate witness reports with artefacts;			
			I/O data with timestamp;	4.5.1;				
5.1.4	Analysis	Identify potential coherences	send or received read/write operations with specific data and	4.5.5;		related impact of variable commands to I/O;		
			timestamp;		Correlate I/O data with register operations			
				4.4.2;				
				4.4.3;				
				4.4.4;				
				4.4.5;				
				4.4.6;				
			Identify cotential coherence: all extracted attracts inentance: 4.4.7;					
5.1.5	Analysis	identity potential conerences all extracted arrefacts timestamps; 4.5.1; 4.5.3; 4.5.4; 4.5.5; 4.5.6;	chronological relationships between artefacts/events;	[3]				
				4.5.5,				
		Identify potential coherences		4.5.7;	Correlate timestamp of artefacts			
				4.4.2;				
				4.4.3;				
				4.4.4;				
				4.4.5;				
				4.4.6;				
5.1.6	Analysis		all extracted artefacts timestamps;	4.4.7;		events with impact on components;	[3]	
3.1.0	Alidiysis		Identify potential coherences	all extracted arteracts timestamps,	4.5.1;		events with impact on components,	[5]
				4.5.3;				
				4.5.4;				
				4.5.5;				
				4.5.6;				
				4.5.7;	Identify stastistical changes			
				4.4.2;	identify statistical changes			
				4.4.2;				
				4.4.4;				
				4.4.5;				
				4.4.6;				
5.1.7	Analysis	Identify potential coherences	all extracted artefacts timestamps;	4.4.7;		related events and artefacts;	[3]	
	, 5.5	Tables, parameter concreted	Ell Elli Elli El Ellocto tillicatorilpa,	4.5.1;		. S. S. S. S. S. S. G. G. C. G. G.	(-)	
				4.5.3;				
				4.5.4;				
				4.5.5;				
				4.5.6;				
				4.5.7;	Identify patterns			
			send/received commands;					
			computer analyzable facts/events with timestamp of witness	4.5.4;				
5.1.8	Analysis	Identify potential coherences	report;			executed commands;		
			chronological relationships between artefacts/events;	5.1.4;	Correlate commands with artefacts			
					Correlate communius with artefacts			
			send/received commands;	4.5.4;				
	A	(double to 1)	executed commands;	5.1.8;		Deleted authorized assist		
5.2.1	Analysis	Identify inconsistencies	send or received read/write operations;	4.5.5;		Related authorized register commands with events;		
			computer analyzable facts/events with timestamp of witness	4.5.7;				
			report;		Compare input with read/write operations			
			connections/requests;	4.4.2;		suspicious connections/requests with timestamp;	1	
5.2.2	Analysis	Identify inconsistencies	uploaded/downloaded payload with timestamp;	4.4.3;	Compare connection/requests with up-/downloads	suspicious connections/requests with timestamp:		

				4.4.2;			
				4.4.3;			
				4.4.4;			
				4.4.5;			
				4.4.6;			
				4.4.7;			
				4.5.1;			
5.2.4	Analysis	Identify inconsistencies	all extracted data with timestamps;	4.5.3;		suspicious events/artefacts with timestamp:	
3.2.4	Analysis	identity inconsistencies	all extracted data with timestamps,	4.5.4;		suspicious events/arteracts with timestamp,	
				4.5.5;			
				4.5.6;			
				4.5.7;			
				5.1.7;			
				5.1.8;			
				5.2.1;			
				5.2.2;	Identify anomalies		
5.2.5	Analysis	Identify inconsistencies	control logic binary;	4.4.11;	transform control logic binary to logical formulas	mathematical model representing hehaviors	
					transform control logic binary to logical formulas		
5.2.6	Analysis	Identify inconsistencies	inloop data;	EXTERNAL;	Monitor payload behavior	generated I/O data of inloop simulator;	
				5.2.6			
5.2.7	Analysis	Identify inconsistencies	I/O data of inloop simulator;	5.2.6;	Create model of intended behvaior	mathematical model representing behavior;	
5.2.8	Analysis	Identify inconsistencies	generated I/O data of inloop simulator;	5.2.6;		unintended control logic behavior:	[16]
3.2.0	7.11017313	identity inconsistences	mathemtical model representing behavior;	5.2.5;	Compare model intended behavior with actual model	diminentate control logic benditory	[20]
5.2.9	Analysis	Identify inconsistancies	I/O values with timestamp (I/O tap);	4.4.6;		discrepancies between reported and actual I/O states	[17]
5.2.9	Analysis	Identify inconsistencies	by protocol reported I/O values;	4.4.7;	Compare protocol information with I/O status	uiscrepancies between reported and actual i/O states;	[1/]
				1.1.1;			
				1.1.2;			
				1.1.3;			
				1.1.4;			
				1.1.5;			
				1.1.6;			
				1.1.7;			
				1.1.8;			
				1.1.9;			
5.2.10	Analysis	Identify inconsistencies	baseline data;	1.1.10;		(unauthorized) changes of ICS with timestamp;	
				1.1.11;			
				1.1.12;			
				1.1.13;			
				1.1.14;			
				1.1.15;			
				1.1.16;			
				1.1.17;			
				1.1.17,			
				1.1.19;	Compare baseline data with artefacts		
5.3.1	Analysis	Finalize Evidence	list acquired datas data sources;	2.6.1;		overview of used data sources and their data:	
			filled data model;	4.7.1;	Summarize distinct datasources into common timeline		
5.3.2	Analysis	Finalize Evidence	suspicious events/artefacts withe timetamp;	5.2.4;	assign all events to timelines	summarized timeline with all related events and their impact;	
5.3.3	Analysis	Finalize Evidence	connections/requests;	4.4.2;	Create network map	actual connections and devices in ICS:	
3.3.3	Allalysis	rinalize evidence			Create network map	actual connections and devices in ics,	
				5.1.1;			
				5.1.2;			
				5.1.3;			
				5.1.4;		suspicious events/artefacts with timestamp; mathematical model representing behavior; generated I/O data of inloop simulator; mathematical model representing behavior; unintended control logic behavior; [16] discrepancies between reported and actual I/O states; [17] (unauthorized) changes of ICS with timestamp; overview of used data sources and their data; summarized timeline with all related events and their impact; actual connections and devices in ICS;	
				5.1.5;			
				5.1.6;			
				5.1.7;			
504		6. 0. 6.1		5.1.8;			
5.3.4	Analysis	Finalize Evidence	all vizualizable artefacts;	5.2.1;		Clear summarization of evidence and its information value;	
				5.2.2;			
				5.2.4;			
				5.2.5;			
				5.2.6;			
				5.2.7;			
				5.2.8;			
				5.2.9;			
				5.2.10;	Visualize evidence		
				J.Z.10,	visualize evidence		

				5.1.1;			
				5.1.2;			
				5.1.3;			
				5.1.4;			
				5.1.5;			
				5.1.6;			
				5.1.7;			
				5.1.8;			
				5.2.1;			
5.4.1	Analysis	Create Hypothesis/Reconstruct incident	all gained evidence in analysis;	5.2.2;	Assign new data to data model	structurized overview of available and missing evidence;	
				5.2.4;			
				5.2.5;			
				5.2.6;			
				5.2.7;			
				5.2.8;			
				5.2.9;			
				5.2.10;			
				5.3.4;			
5.4.2	Analysis	Create Hypothesis/Reconstruct incident	structurized overview of available and missing evidence;	5.4.1;		incident trace;	
3.4.2	Alidiysis	Create hypothesis/ Reconstruct incluent	Clear summarization of evidence and its information value;	5.3.4;	create incident trace	ilicident trace,	
			incident trace;	5.4.2;			
5.4.3	Analysis	Create Hypothesis/Reconstruct incident	actuators/sensors;	1.1.1;		Impacts on ICS with related components;	
3.4.3	Allalysis	Greate hypothesis/neconstruct incident	ICS components;	1.1.1;	Note actions and their invest	impacts offices with related components,	
					Note actions and their impact		
5.4.4	Analysis	Create Hypothesis/Reconstruct incident	structurized overview of available and missing evidence;	5.4.1;	Relate evidence to events	related evidence leading to incident;	
				5.1.1;			
				5.1.2;			
				5.1.3;			
				5.1.4;			
				5.1.5;			
				5.1.6;		unseen assets and data sources;	
				5.1.7;			
				5.1.8;			
				5.2.1;			
5.5.1	Analysis	Reconsidertaion of data (types) to retrieve	all gained evidence in analysis;	5.2.2;			
				5.2.4;			
				5.2.5;			
				5.2.6;			
				5.2.7;			
				5.2.8;			
				5.2.9;			
				5.2.10;			
				5.2.10; 5.3.4;	Filter prior unseen/unselected data		
5.5.2	Analysis	Reconsidertaion of data (types) to retrieve	unseen assets and data sources;	5.2.10; 5.3.4; 5.5.1;	add new asset and data sources to list	assets and data sources to acquire data;	
5.5.2 5.5.3	Analysis Analysis	Reconsidertaion of data (types) to retrieve Reconsidertaion of data (types) to retrieve	unseen assets and data sources; assets and data sources to acquire data;	5.2.10; 5.3.4;		assets and data sources to acquire data; Index of next activity and task;	[3]
				5.2.10; 5.3.4; 5.5.1;	add new asset and data sources to list		[3]
5.5.3	Analysis	Reconsidertaion of data (types) to retrieve	assets and data sources to acquire data; timestamp of performed functions and results;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A	add new asset and data sources to list begin next iteration at operational preparation task X.Y	Index of next activity and task;	[3]
5.5.3 6.1.1	Analysis Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y	Index of next activity and task; timeline of forensic investigation actions;	
5.5.3	Analysis	Reconsidertaion of data (types) to retrieve	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken	Index of next activity and task;	[3]
5.5.3 6.1.1 6.1.2	Analysis Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data;	[3]
5.5.3 6.1.1 6.1.2	Analysis Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources;	[3]
5.5.3 6.1.1 6.1.2	Analysis Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data;	[3]
5.5.3 6.1.1 6.1.2	Analysis Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components;	[3]
5.5.3 6.1.1 6.1.2	Analysis Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model);	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model);	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compilant requirements; forensic compilant requirements; related events and incident trace;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant of final evidence; related events and incident trace; Impacts on ICS with related components;	5.2.10; 5.3.4; 5.5.3; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4	Analysis Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value;	5.2.10; 5.3.4; 5.5.3; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.3; 5.4.4;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures)	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.3; 5.4.4;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; N/A 4.7.1; EXTERNAL 6.1.6;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertaion of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; its of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; EXTERNAL 6.1.8; 6.1.8; 6.1.2;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence;	[3] [3] [3]
6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compilant requirements; forensic compilant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.4; EXTERNAL; 6.1.8; 6.1.8; 6.1.2; 6.1.3;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value;	[3] [3] [3]
6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.4; EXTERNAL; 6.1.8; 6.1.2; 6.1.3;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value;	[3] [3] [3]
6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; its of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources; Authorized manipulation of ICS components;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.4; EXTERNAL; 6.1.8; 6.1.2; 6.1.3; 6.1.1; 6.1.1; 6.1.1;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note all tools used Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources; Authorized manipulation of ICS components;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.3; 5.4.4; 6.1.2; 6.1.3; 6.1.1; 6.1.3; 6.1.1; 6.1.4; EXTERNAL;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task: timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value; final evidence report;	[3] [3] [3] [3]
6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; its of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources; Authorized manipulation of ICS components;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL; 6.1.8; 6.1.2; 6.1.3; 6.1.1; 6.1.1; EXTERNAL; 6.1.8; EXTERNAL; EXTERNAL; EXTERNAL; EXTERNAL;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task; timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value;	[3] [3] [3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6 6.1.7 6.1.8	Analysis Reporting	Reconsidertation of data (types) to retrieve Generate History Report Generate History Report Generate History Report Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; its of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources; Authorized manipulation of ICS components; target group roles; key objectives of target group roles;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.2.3; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL 6.1.6; 5.4.2; 5.4.3; 5.4.4; 6.1.2; 6.1.3; 6.1.1; 6.1.3; 6.1.1; 6.1.4; EXTERNAL;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task: timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value; final evidence report;	[3]
5.5.3 6.1.1 6.1.2 6.1.3 6.1.4 6.1.6 6.1.7	Analysis Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting Reporting	Reconsidertation of data (types) to retrieve Generate History Report	assets and data sources to acquire data; timestamp of performed functions and results; tools to search specific data types; tools to extract specific data types; list of data to be acquired with specific tools; list of data to be acquired with specific tools; timeline of forensic investigation actions; legal actions taken; protection goals status of final artefacts (filled data model); forensic compliant requirements; forensic compliant requirements; related events and incident trace; Impacts on ICS with related components; related evidence leading to incident; Clear summarization of evidence and its information value; summarized timeline with all related events and their impact; Legal requirements; Clear summarization of evidence and its information value; final evidence; timeline of forensic investigation; all affected and relevant data sources; Authorized manipulation of ICS components;	5.2.10; 5.3.4; 5.5.1; 5.5.2; N/A 2.6.1; 4.4.1; 4.4.1; 6.1.1; N/A 4.7.1; EXTERNAL; 6.1.8; 6.1.2; 6.1.3; 6.1.1; 6.1.1; EXTERNAL; 6.1.8; EXTERNAL; EXTERNAL; EXTERNAL; EXTERNAL;	add new asset and data sources to list begin next iteration at operational preparation task X.Y Note all actions taken Note used data (sources) Note manipulations taken on systems Asses compliance with protection goals (measures) Note compliance of evidence in report	Index of next activity and task: timeline of forensic investigation actions; all used tools and processed data; all affected and relevant data sources; Authorized manipulation of ICS components; forensic compliance of final evidence; significance of use of the evidence; Clear summarization of evidence and its information value; final evidence report;	[3] [3] [3] [3]