

Vessel Asset Inventory

For HMD S566 – METROSTAR Project

115,000 DWT PRODUCT/CHEMICAL TANKER

Related DOC.;

1. DNV-RU-SHIP Pt.6 Ch.5. Section 21, Edition July 2023

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1. Introduction

Under the HMD S566 115,000 DWT PRODUCT/CHEMICAL TANKER Metrostar project, Hyundai Mipo applies for DNV Cyber secure solution description for facilities of the following scope.

[Procedural requirements]

- F071 – Inventory List
- F031 – Zone and conduit diagram
- F011 – Cyber security design description
- F251 – Test procedure

Based on the above scope, this document summarizes the detailed configuration for DNV Cyber secure satisfaction.

1.1. DNV Cyber Security Interpretation

The review was conducted based on the **Edition July 2023** edition (Rules for classification: Ships — DNV-RU-SHIP Pt.6 Ch.5 Section 21)

Table 1 Class notation for cyber security

Class notation	Qualifier	Purpose	Application
Cyber secure Mandatory: no Design requirements: Sec.21 FIS survey requirements: Pt.7 Ch.1 Sec.6 [36]	<None>	Establish barriers to	See [1.4.2].
	Essential	Identify,	See [1.4.3].
	Advanced	protect, detect, respond, and recover from cyber security incidents.	See [1.4.4].
	+		See [1.4.5].

1.1.1. Class Notation

Class notation for cyber secure (**SP0**)

Class Notation Cyber Secure represents an Initial level of cyber security for the vessel's system and applies to vessels which have reached an initial level in applying cyber security barriers.

1.1.2. Purpose

The purpose of this document is to work with DNV to understand and mitigate these risks to provide confidence to future customers on the cyber security.

This specification specified the cyber security requirements for the design, fabrication, configuration, testing, and operation of systems and their components.

2. Inventory List

For every hardware component the 2023 DNV rules require you to record the system to which the component belongs, the security-zone designation of that system, the component's name, type or model, its manufacturer, physical location on board, and current hardware or firmware version; you must also list all available connection points (such as USB, serial, or Ethernet), and, for network devices, specify the physical and any virtual network segments to which the device is connected.

For every software component you must document the hardware device in which the software is installed, identify the software's manufacturer, give a brief description of its purpose or functionality, state the exact designation or name/type of the software, and record its current version (including patch level, if applicable).

2.1. Hardware List

The hardware list of equipment is described in the below table.

HMD S566															
List of Hardware Components															
System Info.		Hardware Info.										Network Info.			
No.	System Name	Type	Component Name	Manufacturer (or Brand)	Model	Function/Purpose	Installed Location	System Software(OS, Firmware)		Physical Interface Port		External Communication			
								Name/Type	Version	LAN	USB	Supported Protocol	Network Segmentation	Connected CBS	Remote Connection O/X
1	AMS (Control Zone)	PC	MC360 i3 LAN / 110-0016256	Lenovo	ThinkStation P360 Tiny	Workstation	W/H, ECR, CCR	Windows 10	LTSC 21H2	5	7	N/A	N/A	N/A	O
2		PC	MC360 i7 LAN / 110-0016259	Lenovo	ThinkStation P360 Tiny	Workstation	Operator Station	Windows 10	LTSC 21H2	5	7	N/A	N/A	N/A	O
3		Controller	RCU602	Kongsberg Maritime	KM: 383962	Controller	ECR (KM 08 RIO Cabinet)	VxWorks	6.9.4	7	–	N/A	N/A	N/A	X
4		Network Device	L2 Managed Switch	Moxa	EDS-408A	Switch	ECR, CCR	–	–	8	–	N/A	Process networks, Field networks, 3 rd party interfaces	N/A	O
5		Network Device	L2 Managed Switch	Moxa	EDS-518E-4GTXSFP	Switch	ECR (KM 08 RIO Cabinet)	–	–	22	1	N/A	Process networks, Field networks, 3 rd party interfaces	N/A	O
6		Network Device	Zone Firewall	Fortinet	FGR-60F	Firewall	ECR (KM 08 RIO Cabinet)	fortiOS	6.4.x	7	1	N/A	Router for networks on different subnets	N/A	O
7		I/O Module	WCC500	Kongsberg Maritime	–	Input Device	W/H, Accom	–	–	–	–	N/A	N/A	N/A	–
8		I/O Module	ALCSA	Kongsberg Maritime	–	Input Device	–	–	–	–	1	N/A	N/A	N/A	–

9		I/O Module	C2xe	Kongsberg Maritime	–	I/O Module	MSB1, MSB2	–	–	–	–	N/A	N/A	N/A	–
10		I/O Module	RAO-8xe	Kongsberg Maritime	–	I/O Module	ECR, CCR (IAS DPU)	–	–	–	–	N/A	N/A	N/A	–
11		I/O Module	RDl-32xe	Kongsberg Maritime	–	I/O Module	ECR, CCR (IAS DPU)	–	–	–	–	N/A	N/A	N/A	–
12		Other	RSER200-4	Kongsberg Maritime	–	Serial Interface Module	ECR (KM 08 RIO Cabinet)	–	–	–	–	N/A	N/A	N/A	–
13		PC	MC360 i3 LAN PC Computer	Lenovo	Lenovo ThinkStation P360 Tiny	Workstation	Wheelhouse, ECR	Windows 10	LTSC 1809	5	7	N/A	N/A	AMS	X
14		HMI	Touch Panel 15" FHD XT MK1	ISIC Systems	KM: 469945	HMI Touch Panel	Wheelhouse, ECR	TBD	TBD	-	-	N/A	N/A	N/A	
15		Controller	SCU	Kongsberg Maritime	KM: 329785	Controller Unit	ECR	Windows CE 5.0	12.16.94	2	-	MODBUS TCP/IP, CAN	N/A	N/A	
16		I/O Module	L2C	Kongsberg Maritime	KM: 404654	LAN to CAN Converter	Wheelhouse, ECR	Programmer. Ext tool	1.03.0	1		N/A	N/A	N/A	
17	BMS (Control Zone)	I/O Module	MEI	Kongsberg Maritime	KM: 8100276	N/A	ECR	RTX 166	>12.16.94	-	-	N/A	-	N/A	–
18		I/O Module	RPME	Kongsberg Maritime	KM: 8100289	RPM Sensor	Engine Room	RTX 166	>12.16.94	-	-	N/A	-	N/A	–
19		I/O Module	PSS	Kongsberg Maritime	KM: 8100184	CAN star coupler/galvanic isolator	Wheelhouse, ECR	N/A	N/A	-	-	N/A	-	N/A	–
20		I/O Module	ESU	Kongsberg Maritime	KM: 8100275	N/A	ECR	RTX 166	>12.16.94	-	-	N/A	-	N/A	–
21		I/O Module	C2xe	Kongsberg Maritime	KM: 333346	N/A	ECR	RTX 166	>12.16.94	-	-	N/A	-	N/A	–

22		I/O Module	DGU, DGU-ME	Kongsberg Maritime	KM: 8100272	N/A	Wheelhouse, ECR	RTX 166	>12.16.94	-	-	N/A	-	Main Engine ECDIS, VDR	-
23		I/O Module	LTU 11	Kongsberg Maritime	KM: 364330	N/A	Wheelhouse, ECR	Embedded Linux	3.7.4	-	-	N/A	-	ECDIS, VDR	-
24		I/O Module	LTU 11 ME	Kongsberg Maritime	KM: 389505	N/A	Wheelhouse/ECR	Embedded Linux	3.7.4	-	-	N/A	-	Main Engine	-
25		I/O Module	BWU 21	Kongsberg Maritime	KM: 486200	N/A	Wheelhouse	Embedded Linux	3.7.4	-	-	N/A	-	N/A	-
26		I/O Module	Telegraph PBT	Kongsberg Maritime	KM: 8100318	N/A	Engine Room	RTX 166	>12.16.94	-	-	N/A	-	Main Engine	-
27		I/O Module	PB6	Kongsberg Maritime	KM: 110-0060620	N/A	-	-	-	-	1	N/A	-	N/A	-
28	Furuno Package (Navigation Zone)	CBS	HermAce Gateway Service Gateway	Lenovo	P360T	Firewall	W/H	Windows	TBD	5	4	LAN2: IEC 61162-250, HTTP, SNMP, TCP/IP LAN3: HTTP, IEC 61162-450, SNMP LAN4: IEC 61162-450, HTTPS	LAN2:172.31.16.26 LAN3:192.168.31.253 LAN4:192.168.31.252	HYUNDAI ISS/HINAS NAVIGATION	-
29		CBS	VDR	FURUNO	VR-7000	Record voyage data	W/H, E.E.R	Linux	TBD	14	1	Sensor data UDP	J11:172.31.16.200 Internal:10.0.0.100	HYUNDAI ISS/HINAS NAVIGATION	X

30	CBS	No.1 ECDIS	FURUNO	FMD-3005	Display nautical chart	W/H	Linux	TBD	3	3	Sensor data UDP Route/C hart/Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
31	CBS	No.2 ECDIS	FURUNO	FMD-3005	Display nautical chart	W/H	Linux	TBD	3	3	Sensor data UDP Route/C hart/Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
32	CBS	ECDIS (AMS/Conning)	FURUNO	FMD-3005	Bridge alarm management	W/H	Linux	TBD	3	3	Sensor data UDP Route/C hart/Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
33	CBS	ECDIS (Route Planning Station)	FURUNO	FMD-3005	Route plan	W/H	Linux	TBD	3	3	Sensor data UDP Route/C hart/Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
34	CBS	S-RADAR	FURUNO	FAR-2338S-NXT	RADAR, ARPA	W/H	Integrated OS	TBD	2	2	Sensor data UDP, Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
35	CBS	X-RADAR	FURUNO	FAR-3025	Chart displayable RADAR, ARPA	W/H	Linux	TBD	3	3	Sensor data UDP, Radar echo UDP	LAN1 : 192.168.31.1/24 LAN2 : 172.31.16.1/16	HYUNDAI ISS/ HINAS NAVIGATION	X
36	CBS	BNWAS	FURUNO	BR-500	Watch keeping	W/H	Integrated OS	TBD	-	-	N/A	N/A	N/A	X
37	CBS	SDME(Doppler Speed Log)	FURUNO	DS-85	Measure ship's speed	W/H	Integrated OS	TBD	1	-	N/A	N/A	N/A	X

38	CBS	SDME(Satellite Speed Log)	FURUNO	GS-100	Measure ship's speed	W/H	Integrated OS	TBD	1	-	N/A	N/A	N/A	X
39	CBS	Echo Sounder	FURUNO	FE-800	Measure depth	W/H	Integrated OS	TBD	1	-	N/A	N/A	N/A	X
40	CBS	GPS	FURUNO	GP-170	Fixing ship's position	W/H	Integrated OS	TBD	2	2	N/A	N/A	N/A	X
41	CBS	AIS	FURUNO	FA-170	Transmit ship's information	W/H	Integrated OS	TBD	1	1	N/A	N/A	N/A	X
42	CBS	VHF Transceiver	FURUNO	FM-8900S	Communicate via VHF	W/H, S.G.R	Integrated OS	TBD	-	-	N/A	N/A	N/A	X
43	CBS	NAVTEX Receiver	FURUNO	NX-900	Receive NAVTEX message	W/H	Integrated OS	TBD	1	-	N/A	N/A	N/A	X
44	CBS	MF/HF Transceiver	FURUNO	FS-2575	Communicate via MF and HF	W/H	Integrated OS	TBD	1	-	N/A	N/A	N/A	X
45	CBS	INMARSAT-C MES	FURUNO	IC-218	Satellite communication	W/H	Integrated OS	TBD	2	2	N/A	N/A	N/A	X
46		Aircraft VHF Transceiver	SEANET	TR-970	Communicate with aircraft	C.C.R	Integrated OS	TBD	2	-	N/A	N/A	N/A	X
47		IRIDIUM System	SEANET	LT-3100	Satellite communication	S.G.R	Integrated OS	TBD	1	-	N/A	N/A	N/A	X



2.2. Software List

The software list of equipment is described in the below table.

HMD S566							
List of Software Components							
System Info.		Software Info.					
No.	System Name	Brand/Manufacturer	SW Name	SW Type	SW Version	Function/Purpose	Installed HW Components
1	AMS	Igor Pavlov	7-Zip	Application Software	21.07.00.0	File archiver	OS PC
2		Adobe	Adobe Acrobat DC	Application Software	2021.011.20039	PDF viewer	OS PC
3		Kongsberg Maritime AS	AIM	Application Software	8.12.x	System config	OS PC
4		Beyond Trust	Bomgar Button	Remote Access / Support Software	15.01.2003	Remote access	OS PC
5		Microsoft Corporation	Browser for SQL Server 2019	Database Software	15.0.2000.5	DB management	OS PC
6		Microsoft Corporation	Debugging Tools for Windows (x86)	System Software	6.11.1.404	Debugging tool	OS PC
7		FileZilla	FileZilla Server	Utility / Maintenance Tool	1.8.0	FTP server	OS PC
8		Kongsberg Maritime AS	HMI Production Service and Mimic Editor	Application Software	3.3.x	Mimic editing	OS PC
9		Kongsberg Maritime AS	Historian Database	Database Software	4.0.x	Data logging	OS PC
10		Microsoft	Imaging And Configuration Designer	System Software	10.1.19041.1	System imaging	OS PC
11		Intel	Intel(R) Network Connections	System Software	27.00.3	NIC tool	OS PC
12		Intel	Intel(R) SCS ACU Config	System Software	12.2.0.170	NIC config	OS PC

13		Intel	Intel(R) SCS ACU Wizard	System Software	12.2.0.170	NIC config	OS PC
14		Kongsberg Maritime AS	K-Chief HMI Vessel Support apps	Application Software	1.3.x	HMI tools	OS PC
15		Kongsberg Maritime AS	K-Chief One Watch Call	Application Software	1.4.x	Alarm system	OS PC
16		Kongsberg Maritime AS	K-Chief One Watch Call Config Tool	Configuration Tool	1.2.x	WCS config	OS PC
17		Kongsberg Maritime AS	K-Chief One Watch Call Wcc Load	Configuration Tool	2.0.x	Panel config	OS PC
18		Kongsberg Maritime AS	Kongsberg Maritime Access Control	Application Software	1.0.x	User access	OS PC
19		Kongsberg Maritime AS	Kongsberg Maritime Access Control Config Tool	Configuration Tool	1.0.x	Access config	OS PC
20		Kongsberg Maritime AS	Kongsberg Maritime Beacon	Application Software	2.15.x	Kiosk mode	OS PC
21		Kongsberg Maritime AS	Kongsberg Maritime Dnet2	Application Software	1.1.x	Network redun.	OS PC
22		Kongsberg Maritime AS	Kongsberg Maritime K-Chief HMI	Application Software	2.0.x	Plant monitor	OS PC
23		Kongsberg Maritime AS	Kongsberg Maritime K-Safe HMI	Application Software	1.0.x	Safety monitor	OS PC
24		Kongsberg Maritime AS	Kongsberg Remote Support	Remote Access / Support Software	1.0.0	Remote access	OS PC
25		Kongsberg Maritime AS	Log Viewer	Utility / Maintenance Tool	2.0.x	Log viewer	OS PC
26		Microsoft Corporation	Microsoft OLE DB Driver for SQL Server	Database Software	18.6.7	SQL interface	OS PC
27		Microsoft Corporation	Microsoft SQL Server 2012 Native Client	Database Software	11.4.7462.6	SQL client	OS PC
28		Microsoft Corporation	Microsoft SQL Server 2019 (64-bit)	Database Software	15.0.2000.5 (x64)	Database engine	OS PC
29		Microsoft Corporation	Microsoft SQL Server 2019 setup (English)	Database Software	15.0.4013.40	SQL setup	OS PC
30		Microsoft Corporation	Microsoft SQL Server 2019 T-SQL Language Service	Database Software	15.0.2000.5	T-SQL support	OS PC

31	Microsoft Corporation	Microsoft SQL Server Compact 3.5 SP2 ENU	Database Software	3.5.8082.0	Compact DB	OS PC
32	Microsoft Corporation	Microsoft SQL Server Compact 3.5 SP2 x64 ENU	Database Software	3.5.8082.0	Compact DB	OS PC
33	Microsoft Corporation	Microsoft VSS Writer for SQL Server 2019	Database Software	15.0.2000.5	SQL backup	OS PC
34	Kongsberg	MPS	Security Software	4.03	Malware/USB prot.	OS PC
35	Kongsberg	MPS Malware Cleaner	Security Software	04.mar	Malware cleaner	OS PC
36	Notepad++ Team	Notepad++	Application Software	7.6.3	Text editor	OS PC
37	Kongsberg Maritime AS	OSK	Application Software	2.16.x	Basic control	OS PC
38	Kongsberg Maritime AS	PageConfig	Application Software	1.3.x	Page setup	OS PC
39	Paragon Software Gmbh	Paragon Hard Disk Manager	Backup Software	17.16.16	Backup tool	OS PC
40	Kongsberg Maritime AS	PCK	Application Software	2.15.x	Process control	OS PC
41	PostgreSQL Global Development Group	PostgreSQL	Database Software	16	Relational DB	OS PC
42	Simon Tatham	Putty	Terminal Software	0.70.0.0	SSH client	OS PC
43	Kongsberg	RemoteAssist	Remote Access / Support Software	1.0.0	Remote access	OS PC
44	Kongsberg	RemoteSupportBomgar	Remote Access / Support Software	1.0.0	Remote support	OS PC
45	SafeNet, Inc.	Sentinel Protection Installer	Tool	7.6.6	License tool	OS PC
46	Kongsberg Maritime AS	SerialLineLogger	Application Software	1.0.x	Serial logging	OS PC
47	SnmpSoft Company	SnmpGet	SNMP Tool	1.0.1	SNMP service	OS PC

48		Kongsberg Maritime AS	Vessel Mimic Symbol Library	Application Software	1.25	HMI symbols	OS PC
49		Kongsberg	USB shell protection	Security Software	4.03	USB protect.	OS PC
50	BMS	KM	C600	Operating System	>12.16.94	OS for BMS	OS PC
51		Igor Pavlov	7-Zip	Application	21.07.00.0	File archiver	OS PC
52		Adobe	Adobe Acrobat DC	Application	2021.011.2003 9	PDF viewer	OS PC
53		KM	C600 Process Logger	Application	>1.16.94.x	Process Logger	OS PC
54		KM	C600 Process Logger Analyzer	Application	>1.16.94.x	Process Log Analyzer	OS PC
55		KM	C600 Topology Viewer	Application	>1.16.94.x	Topology viewer	OS PC
56		KM	C600 Remote Support	Application	>1.16.94.x	remote access functionality	OS PC
57		Beyond Trust	Bomgar Button	Application	15.01.2003	remote access functionality	OS PC
58		Microsoft	Browser for SQL Server 2019	Application	15.0.2000.5	database management tool	OS PC
59		Microsoft	Debugging Tools for Windows (x86)	Application	6.11.1.404	Debugging tool	OS PC
60		KM	DIM	Application	>1.16.94.x	configuration tool	OS PC
61		FileZilla	FTP SW	Application	1.8.0	FileZilla Server	OS PC
62		Cirque Corporation	GildePoint Driver 3 (64 bit)	Application	3.7.3.64	Driver	OS PC
63		Microsoft	Imaging and Configuration Designer	Application	10.1.19041.1	Windows image tool	OS PC
64		Intel	Intel® Network Connections	Application	27.00.3	Network interface card management	OS PC
65		Intel	Intel® SCS ACUConfig	Application	12.2.0.170	Network interface card configuration tool	OS PC

66		Intel	Intel® SCS ACUWizard	Application	12.2.0.170	Network interface card configuration tool	OS PC
67		KM	K-Chief 600	Operating System	>1.16.94.x	Operating system for AMS	OS PC
68		KM	K-Chief 600 Elevated App launcher	Application	1.17.666.0	Application SW	OS PC
69		KM	K-chief 600 Event History database	Application	10.0.10.4140	Event history viewer	OS PC
70		KM	K-Chief 600 Service Console	Application	>1.16.94.x	Application SW	OS PC
71		Microsoft	Microsoft Edge	Application	92.0.902.67	Web Browser	OS PC
72		Microsoft	Microsoft ODBC Driver 17 for SQL Server	Driver	17.6.1.1	ODBC Driver	OS PC
73		Microsoft	Microsoft OLE DB Driver for SQL Server	Driver	18.6.7	Database driver	OS PC
74		Microsoft	Microsoft SQL Server 2012 Native Client	Application	11.4.7462.6	SQL Server connectivity components	OS PC
75		Microsoft	Microsoft SQL Server 2019	Application	15.0.2000.5 (x64)	Relational database engine	OS PC
76		Microsoft	Microsoft SQL Server 2019 setup (English)	Application	15.0.4013.40	SQL Server installation files	OS PC
77		Microsoft	Microsoft SQL Server 2019 T-SQL Language Service	Application	15.0.2000.5	T-SQL development support	OS PC
78		Microsoft	Microsoft SQL Server Compact 3.5 SP2 ENU	Application	3.5.8082.0	Lightweight database engine	OS PC
79		Microsoft	Microsoft Sync Framework 2.1 Core Components (x86) ENU	Application	2.1.1648.0	Data synchronization platform	OS PC
80		Microsoft	Microsoft Sync Framework 2.1 Provider Services (x86) ENU	Application	2.1.1648.0	Provider services for sync framework	OS PC
81		Microsoft	Microsoft VSS Writer for SQL Server 2019	Application	15.0.2000.5	Backup support for SQL Server	OS PC
82		Microsoft	Microsoft Visual C++ 2005 Redistributable	Application	8.0.61001	Runtime components for C++ applications	OS PC
83		Microsoft	Microsoft Visual C++ 2008 Redistributable x86	Application	9.0.30729	Runtime components for C++ applications	OS PC

84		Microsoft	Microsoft Visual C++ 2010 (x86) Redistributable	Application	10.0.30319	Runtime components for C++ applications	OS PC
85		Microsoft	Microsoft Visual C++ 2012 Redistributable (x86)	Application	11.0.61030.0	Runtime components for C++ applications	OS PC
86		Microsoft	Microsoft Visual C++ 2013 Redistributable (x86)	Application	12.0.30501.0	Runtime components for C++ applications	OS PC
87		Microsoft	Microsoft Visual C++ 2015 Redistributable (x86)	Application	14.0.24212.0	Runtime components for C++ applications	OS PC
88		Microsoft	Microsoft Visual C++ 2015-2019 Redistributable (x64)	Application	14.29.30133.0	Runtime components for C++ applications	OS PC
89		Microsoft	Microsoft Windows Desktop Runtime - 6.0.2 (x64)	Application	6.0.2.30914	.NET desktop app runtime	OS PC
90		KM	Malware Shell Protection (MPS)	Application	4.03	Anti-malware	OS PC
91		KM	MPS Malware Cleaner	Application	0.4.mar	Anti-malware	OS PC
92		KM	NMEA Detector	Application	1.16.94.x or newer	NMEA detection	OS PC
93		Notepad++ Team	Notepad++	Application	7.6.3	Text editing	OS PC
94		Paragon Software Gmbh	Paragon Hard Disk Manager	Backup SW	17.16.16	Disk backup tool	OS PC
95		Frank Heindörfer, Philip Chinery	PDFCreator	PDF Creator	0.9.9	PDF creation tool	OS PC
96		PostgreSQL Global Development Group	PostgreSQL	Database	15	Relational database engine	OS PC
97		PostgreSQL Global Development Group	PostgreSQL	Database	16	Relational database engine	OS PC
98		Simon Tatham	Putty	Application	0.70.0.0	Terminal emulator	OS PC
99		KM	RDES	Driver	1.16.94 or newer	Driver for external interface	OS PC

100		KM	RemoteAssist	Remote Assist	1.0.0	Remote access support	OS PC
101		Kongsberg	RemoteSupportBomgar	Remote support Bomgar	1.0.0	Remote access tool	OS PC
102		KM	RioLoad	Tool	v.6	Loading tool	OS PC
103		SafeNet, Inc.	Sentinel Protection Installer	Tool	7.6.6	License protection tool	OS PC
104		KM	Services	Driver	1.16.83 or newer	System services	OS PC
105		SnmpSoft Company	SnmpGet	SNMP	1.0.1	SNMP monitoring tool	OS PC
106		KM	USB shell protection	USB Shell Protection	4.03	USB security tool	OS PC
107		Microsoft Corporation	User State Migration Tool	Tool	10.1.19041.1	User data migration	OS PC
108		Microsoft Corporation	Windows Assessment Toolkit (AMD 64 Architecture Specific)	Tool	10.1.19041.1	System performance assessment	OS PC
109		Microsoft Corporation	Windows Deployment Tools	Tool	10.1.19041.1	Windows deployment	OS PC
110		Microsoft Corporation	WPTx64	Tool	10.1.19041.1	Performance Toolkit x64	OS PC
111	HermAce	FURUNO	Integrated OS.	Application	V05.01	Firewall	USB DONGLE
112	VDR	FURUNO	LINUX	OS	V01.65	VDR playback,maintenance	USB DONGLE
113	ECDIS	FURUNO	LINUX	OS	V05.15	Chart update / RADAR overlay / Sensor data	USB DONGLE
114	S-BAND RADAR	FURUNO	Integrated OS.	OS	V03.03	RADAR overlay / Sensor data	USB DONGLE
115	X-BAND RADAR	FURUNO	LINUX	OS	V05.15	Chart update / RADAR overlay / Sensor data	USB DONGLE