

Certificate No: **A-13830**  
 File No: **848.22**  
 Job Id: **262.1-014324-1**

## APPENDIX REV. NO. 0 (Page 1 of 3)

### Product description

Vingtor Exico Public Address and General Alarm System consisting of <sup>1)</sup>:

Equipment type	Description	Module	Article no.	SW	Env.
Central equipment	Exigo System Controller	ESC1	102 3000 000	PSC: 12.1.3.x SSC: 4.1.3.x	Protected
	Exigo Network Amplifier, 2x120W	ENA2120	102 3102 120	4.1.3.x	
	Exigo Network Amplifier, 2x200W	ENA2200	102 3102 200	4.1.3.x	
Network Equipment	Exigo Managed Network Switch, 8 ports PoE	ENSIR-8	102 3604 008	NA	Protected
	Exigo Power Supply for ENSIR-8, 120W	EPMN-120	102 3597 000	NA	
	Exigo Power Supply for ENSIR-8, 240W	EPMN-240	102 3597 001	NA	
	Power Supply 85-276VAC/48VDC 5A	QS10.481	299 0000 037		
	Exigo Fiber GBIC for ENSIR-8, 1000BaseSX, LC Connector	EFMR-1	102 3616 001	NA	
	Exigo Fiber GBIC for ENSIR-8, 1000BaseSX+, LC Connector	EFMR-2	102 3616 002	NA	
	Flowire - Ethernet Converter, DC Voltage	FCDC1	100 8080 110	NA	
	Power supply for Flowire, 48Vdc, 120 Watt	Flowire 120	299 0101 124	NA	
	Power supply for Flowire, 48Vdc, 250 Watt	Flowire 250	299 0101 244	NA	
	Exigo Power Injector, 6 Ports	EPIPR-6	102 3697 006	NA	
	PowerBox PSU, 24 VDC, 120W	Flowire Ex 120	299 0102 120	NA	
	PowerBox PSU, 24 VDC, 250W	Flowire Ex 250	299 0102 240	NA	
Access Panels	Exigo Call Panel, PTT Button, Pluggable Microphone, Ethernet	ECPIR-P	102 3200 030	4.1.3.x	Protected
	Exigo Call Panel, PTT + 3 Buttons, Pluggable Microphone, Ethernet	ECPIR-3P	102 3200 033	4.1.3.x	Protected
	Exigo Alarm Panel, 8 Buttons, Ethernet	EAPIR-8	102 3201 008	4.1.3.x	Protected
	Exigo Button Expansion Module, 8 Buttons	EBMDR-8	102 3253 008	NA	Protected
	Exigo Industrial Access Panel, 1 Button, Ethernet	EAPII-1	102 3201 201	4.1.3.x	Exposed
	Exigo Industrial Access Panel, 6 Buttons, Ethernet	EAPII-6	102 3201 206	4.1.3.x	Exposed
	Exigo Industrial Ex Alarm Panel, 1 Button, Flowire	EAPFX-1	102 3221 511	4.1.3.x	Exposed
	Exigo Industrial Ex Alarm Panel, 6 Buttons, Flowire	EAPFX-6	102 3221 516	4.1.3.x	Exposed
	IP Flush Master, Display		100 8031 000	4.1.3.x	Protected
Microphones	Exigo Handheld Microphone, 1 Button	EMMAR-1H	102 3533 011	NA	Protected
	Exigo Gooseneck Microphone	EMMAR-G	102 3533 020	NA	Protected
	Exigo Handheld Industrial Microphone, 1 Button	EMMAI-1H	102 3533 311	NA	Protected
	Exigo Handheld Industrial Microphone, Compact	EMMAI-2H	102 3533 312	NA	Exposed
	Exigo Handheld Industrial Ex Microphone, 1 Button	EMMAX-1H	102 3533 511	NA	Exposed

<sup>1)</sup> Actual configuration may vary based on requirements for individual installations. Only modules listed in certificate are approved for installation.

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## APPENDIX REV. NO. 0 (Page 2 of 3)

Equipment type	Description	Module	Article no.	SW	Env.
Accessories	Exigo Industrial Line End Transponder	ELTSI-1	102 3540 200	NA	Exposed
	Connection board with relays for Turbine/Exigo Industrial	TA-10	100 8140 100	NA	Protected
	Turbine Kit IP Extended	TKIE-1	100 8132 010	4.1.3.x	Protected
	General Purpose Audio Board	AGA	100 9303 001	NA	Protected
	IP DAK-48 Unit	DAK-48	100 8010 100	NA	Protected
Volume Controllers <sup>2</sup>	Volume Controller, 1x15W with 4-wire Override, Flush	VM15-R	300 5010 210	NA	Protected
	Volume Controller, 1x50W with 4-wire Override, Flush	VM50-R	300 5010 213	NA	Protected
	Volume Controller, 2x15W Dual with Failsafe Override Relay, Flush Mounted	VM15-RDF	300 5010 212	NA	Protected
	Volume Controller, 2x50W Dual with Failsafe Override Relay, Flush Mounted	VM50-RDF	300 5010 215	NA	Protected
	Volume Controller, 1x15W Dual with 4-wire Override, Flush	VM15-RD	300 5010 211	NA	Protected
	Volume Controller, 2x50W Dual with 4-wire Override, Flush	VM50-RD	300 5010 214	NA	Protected
Network Interface for Speakers	VoIP Intercom Module for integration with passive speakers	TKIS-2	100 8131 020	4.1.3.x	Protected

### Note

1. Network Interconnection: Connection to other networks is subject to separate case-by-case approval.

<sup>2</sup> Volume controllers are passive units only. The controllers have not been subject to testing according to IEC 60945, but are included in the certificate as they are integral parts of the system design.

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 Job Id: **262.1-014324-1**

## APPENDIX REV. NO. 0 (Page 3 of 3)

### Type Approval documentation

DNV No	Doc. ID	Description	Rev.
28	2640005HH	Certificate: GL, Puls QS-series power supplies	2010-04-01
27	95007-10HH	Certificate: GL, Mean Well SDR-120 and SDR-480 series power supplies	2010-07-21
26	7547909HH	Certificate: GL, Mean Well SDR-240 and SDR-240-48 power supplies	2010-04-12
25	3385306 HH	Certificate: GL, PT5xx-series power supplies	2012-08-27
23	E14084.00	Report: Nemko, EMC and environmental test report for TFIX-X intercom and EAPFX-X Ex access panels	2014-06-12
22	GR-2009-11-15	Report: Zenitel, Technical Report ACM-system-EN60945 compliance	4
21	2010-3593	Report: DNV, Environmental test report for Vingtor ACM-exchange and IP Flush Master	1
20	E06067.00	Report: Nemko, EMC test report for ACE-exchanges	1.0
19	A100K11460	Manual: Zenitel, VINGTOR Exigo System Manual	06-2014
18	106916/04	Report: Nemko, EMC test report for IP Flush Master	2008-06-23
17	E07218.00	Report: Nemko, Radiated emission and immunity test report (1-2GHz) for ACM-48 Exchange cabinet	1.0
16	A100K11471	Manual: Zenitel, Vingtor Exico Public Address and General Alarm system user manual	
15	2014-06-13	Report: Zenitel, Performance test report for Vingtor Exigo system	00
14	E14145	Report: Nemko, Environmental test report for FCDC1 - Flowire Ethernet converter	00
13	E14083	Report: Nemko, EMC test report for IP-based Intercom and PA-panels	00
10	GR 14-001	Report: Zenitel, Turbine TCAS-x EN60945 Compliance	2014-05-28
8	2013-3236	Report: DNV, EMC test report for TCIS-6 Turbine Compact IP standard-6	00
7	A-13392	Certificate: DNV, TA certificate for EDS-series ethernet switches	2013-08-20
5	E13192	Report: Nemko, EMC test report for Flowire Ethernet Converter FCDC1	00
4	20146	Report: Applica, EMC and environmental test report for EXIGO PA/GA system	0
3	20047	Report: Applica, Environmental test report for Turbine Compact intercom station	0
2	20046	Report: Applica, EMC test report for Exigo ELTSI-1 Line End Transponder	1
1	E14147	Report: Nemko, Environmental test report for Exigo Line End Transponder	00

Place and date  
 Høvik, 2014-06-26

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 Jan Tore Grimsrud  
 Head of section

END OF CERTIFICATE