

### List of radar navigation equipment approved in accordance with the Rhine Vessel Inspection Regulations

Radar navigation equipment which was approved before 1 January 1990 in accordance with the provisions regarding minimum requirements and test conditions of radar navigation equipment for Rhine navigation may be installed and operated if a valid installation certificate has been issued in accordance with the provisions regarding minimum requirements, test conditions, installation and performance testing of radar navigation equipment and rate-of-turn indicators for Rhine navigation or in accordance with Annex M, part III, of this regulation.

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
R 1.1	Elna 3300, RSR 1000	Kelvin Hughes, GB, London	Elna D-Hamburg	29.1.1990	D	R-4-001
R 1.2	Alphascan 2000	Kelvin Hughes, GB, London	Alphatron NL-Rotterdam	31.3.1997	D	R-4-005
R 2.1	JFS-364 / JFS 364 C	JFS Electronic CH, Rotkreuz	a) JFS Electronic CH, Rotkreuz b) Radio Holland Marine B.V. Eekhoutstraat 2 NL-3087 AB Rotterdam	29.1.1999  22.12.1998	D  NL	R-4-002
R 3.1	MK-4219 R	Cherno More Ltd. Varna, Sperry	Sperry Marine B.V. NL-Vlaardingen	1.2.1994	NL	R-2-001
R 3.2	MK-4217R	Cherno More Ltd	Litton Marine Systems B.V. Wijnhaven 42 NL-3011 WS Rotterdam	1.4.1998	NL	R-2-001
R 3.3	MK-5217R MK-5219R	Cherno More Ltd. Sperry Marine	Litton Marine Systems B.V. Wijnhaven 42 NL-3011 WS Rotterdam	23.7.1997	NL	R-2-011
R 3.4	RZ-4217 R	Radio Zeeland Sperry	Radio Zeeland NL-4538 AG Terneuzen	2.3.1993	NL	R-2-002
R 3.5	Sperry Decca MK 6217 RT / 6219 RT	Tcherno More Co. 9009 Varna - Bulgarien	Litton Marine Systems B.V. NL-3133 KK Vlaardingen	12.2.2002	D	R-4-009

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
R 3.6	Elna 4007 TFT / 4009 TFT	Tcherno More Co. 9009 Varna - Bulgarien	Litton Marine Systems B.V. NL-3133 KK Vlaardingen	12.2.2002	D	R-4-010
R 4.1	Furuno RHRS-2002 R	Furuno Electric Co. Ltd.	Radio Holland Marine BV NL-3087 AB Rotterdam	14.7.1993	NL	R-2-004
R 4.2	Furuno FR-2002 R	Furuno Electric Nishinomyia	Ferropilot D-Rellingen	10.10.1994	D	R-4-004
R 4.3	Furuno RHRS-2005 RC	Furuno Electric Nishinomyia	Radio Holland Marine NL-Rotterdam	21.2.2000	D	R-4-008
R 5.1	Tesla RR 653 (M)	Tesla CZ-Pardubice	TESLA CZ-Pardubice	8.11.1993	D	R-4-003
R 6.1	Decca RR 2175 RP 2195	Racal-Decca	Internationale Navigatie Apparate NL-3011 WS Rotterdam	31.3.1995	NL	R-2-008
R 6.2	RR 2175	Racal Decca Marine Ltd	Litton Marine Systems B.V. Wijnhaven 42 NL-3011 WS Rotterdam	1.4.1998	NL	R-2-008
R 7.1	Alphascan RR 3000 RR 3000 M	Era A.S. Acemark Europe	a) Alpatron Marine B.V. KP Van Der Mandelelaan 40 NL-3062 MB Rotterdam	2.12.1998	NL	R-4-006
			b) ERA CZ-Pardubice	29.10.1998	D	
R 8.1	JMA-608-7/9	JRC, Japan Radio Company	Alpatron NL-3062 MB Rotterdam	7.5.1999 7.6.1999	D NL	R-4-007
R 8.2	JMA-609 /7, /9	JRC, Japan Radio Company	Alpatron NL-3062 NH Rotterdam	13.3.2005	D	R-4-011

Nr.	Type	Manufacturer	Owner of the type approval	Date of approval	Competent authority	Approval No
R 8.3	Elna 3407/09	JRC, Japan Radio Company	Elna, D-Rellingen	18.6.2007	D	R-4-013
R 9.1	IN Radarpilot 720 °	IN-Innovative Navigation GmbH	IN-Innovative Navigation GmbH Leibnizstr.11 D-70806 Kornwestheim	22.8.2000	D	R-4-720
R 10.1	GEM LD-1804R/7, /9	GEM Elettronica S.r.l.	GEM Elettronica S.r.l. Italien	3.11.2006	D	R-4-012
R 11.1	Periskal Radar Overlay	Periskal bvba, Belgien	Periskal bvba	6.8.2007	D	R-4-101
R.12.1	Tresco Radar Overlay	Tresco Engineering bvba, Belgien	Tresco Engineering bvba	15.4.2008	D	R-4-102

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