

MATERIAL DECLARATION

In pursuance of IMO Resolution MEPC.197(62)

Date:	January 20 th , 2014
Address:	Avenida Reforma 1648 Fracc. Valle Verde, Ensenada, Baja California México CP 22839
Contact:	Juan Mejia
Product:	AP70/AP80 Autopilot System

Amount of hazardous materials in the ship equipment listed in table below

Convention table:		Substances contained in one equipment piece (values in ppm)																							
		A											B												
		Material threshold level (mg/kg):	0	0	0	0	0	0	0	0	0	0	2500	100	1000	1000	1000	1000	1000	0	0	1%			
Part#	Equipment	Equipment total mass (kg)	Above threshold level (No/Yes)	Asbestos	Polychlorinated biphenyls (PCB's)	Chlorofluorocarbons (CFC's)	Halons	Other fully halogenated CFCs	Carbon tetrachloride	1,1,1-Trichloroethane	Hydrochlorofluorocarbons	Hydrobromofluorocarbons	Methyl bromide	Bromochloromethane	Anti-fouling systems containing organotin compounds as a biocide	Cadmium and cadmium compounds	Hexavalent chromium and hexavalent chromium compounds	Lead and lead compounds	Mercury and mercury compounds	Polybrominated biphenyl (PBBs)	Polybrominated diphenyl ethers (PBDEs)	Polychloronaphthalenes	Radioactive substances	Certain shortchain chlorinated paraffins	
000-10182-001	AP70 SIMRAD Autopilot control	1.2	N	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	60	2	4	4	0	0	0
000-10181-001	AP80 SIMRAD Autopilot control	1.4	N	0	0	0	0	0	0	0	0	0	0	0	0	0	2	53	3	7	7	0	0	0	
000-10184-001	QS80 SIMRAD Non follow up quick stick lever	0.8	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
000-10183-001	FU80 SIMRAD Follow up lever	0.8	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
000-10185-001	NF80 SIMRAD Non Follow up lever	0.8	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22022446	R3000X SIMRAD Portable remote control	0.4	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	802	0	0	0	0	0	0	
22088165	JS10 SIMRAD Non follow up lever	0.5	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	0	0	0	0	0	0	
23241227	S35 SIMRAD Non follow up lever	1.4	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196	0	0	0	0	0	0	
23601800	S9 SIMRAD Non follow up lever	2.8	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	
000-10186-001	AC70 SIMRAD Autopilot Computer	1.2	Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1566	0	0	0	0	0	0	
000-10187-001	AC80A SIMRAD Autopilot Computer	4.1	N	0	0	0	0	0	0	0	0	0	0	0	0	1	1	37	2	4	4	0	0	0	
000-10188-001	AC80S SIMRAD Autopilot Computer	4.1	N	0	0	0	0	0	0	0	0	0	0	0	0	2	2	39	2	4	4	0	0	0	
000-10189-001	AC85 SIMRAD Autopilot Computer	4.5	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	
000-10191-001	AD80 SIMRAD Autopilot Computer	0.75	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	0	0	0	0	0	0	
000-10192-001	SD80 SIMRAD Solenoid Drive Interface	0.7	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	0	0	0	0	0	0	
000-10425-001	SI80 SIMRAD Signal Interface	1.0	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	0	0	0	0	0	0	
24006686	SG05 SIMRAD EVC Gateway	0.65	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	545	0	0	0	0	0	0	
00-10193-001	CDI80 SIMRAD Course Detector interface	0.9	Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1297	0	0	0	0	0	0	
24006688	CD100A SIMRAD Course Detector	0.3	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289	0	0	0	0	0	0	
000-10193-001	RC42N SIMRAD Compass	0.9	Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1297	0	0	0	0	0	0	
20213773	GI51 SIMRAD Gyro Compass Interface	0.8	Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3399	0	0	0	0	0	0	
20193744	RF300 SIMRAD Rudder Feedback	0.5	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	802	0	0	0	0	0	0	
000-10756-001	RF25N SIMRAD Rudder Feedback	0.5	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	802	0	0	0	0	0	0	
22011415	RF45X SIMRAD Rudder Feedback	1.0	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	508	0	0	0	0	0	0	
22506950	RF14XU SIMRAD Rudder Feedback	2.8	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	855	0	0	0	0	0	0	

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Regulatory Compliance Engineer

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