	7			8		9		10		11		12		13		14		15	
	S	M	G	S	M	S	M	S	M	S	M	S	M	S	M	S	M	S	M
Auxiliary engines		X			X		X		X		X		X		X		X		X
Starting systems		X			X		X		X		X		X		X		X		X
Lubrication systems		X			X		X		X		X		X		X		X		X
Fuel		X			X		X		X		X		X		X		X		X
Fuel systems		X			X		X		X		X		X		X		X		X
Fuel injection systems		X			X		X		X		X		X		X		X		X
Intake systems		X					X				X				X				X
Exhaust systems		X					X				X				X				X
Cooling systems		X					X				X				X				X
Air-charging systems		X			X		X		X		X		X		X		X		X
Drive systems		X			X		X		X		X		X		X		X		X
Control systems		X			X		X		X		X		X		X		X		X
Automation systems		X			X		X		X		X		X		X		X		X
Governors		X			X		X		X		X		X		X		X		X
Steam systems		X					X				X				X				X
Water chemistry		X					X				X				X				X
Safety		X			X		X		X		X		X		X		X		X
Casualty control		X			X		X		X		X		X		X		X		X
Safety:																			
Fire theory	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fire prevention	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Fire fighting	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Flooding	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dewatering	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stability and trim	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Damage control	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Emergency equipment and lifesaving appliances.																			
General safety	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Hazardous materials	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pollution	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X