	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
High voltage systems								X	X			X	X			X	X		
Computers and networks								X	X			X	X			X	X		
Bridge navigation equipment								X	X			X	X			X	X		
Steam Generators:																			
Steam-theory	X					X	X			X	X			X	X			X	X
Main boilers	X			X		X		X		X		X		X					
Auxiliary boilers		X	X		X		X		X		X		X		X		X		X
Feedwater systems	X	X	X		X	X	X		X	X	X	X	X	X	X		X	X	X
Condensate systems	X	X	X		X	X	X		X	X	X	X	X	X	X		X	X	X
Recovery systems	X	X	X		X	X	X		X	X	X	X	X	X	X		X	X	X
Fuel	X			X		X		X		X		X		X		X		X	
Main fuel systems				X		X				X				X				X	
Boiler water chemistry	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	
Safety	X			X		X		X		X		X		X		X		X	
Casualty control	X			X		X		X		X		X		X		X		X	
Steam engines:																			
Main turbines	X			X		X		X		X		X		X		X		X	
Auxiliary turbines	X					X				X				X				X	
Governor 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	
Lubrication systems	X					X				X				X				X	
Drive systems	X			X		X		X		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	
Motor propulsion:																			
Fundamentals		X					X				X				X				X
Main engines		X			X		X		X		X		X		X		X		X