

by the supervisor

Please hand in this form at the Master Coordinator after having it signed

The undersigned,

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Requests permission to start the following thesis project.

Thesis Description	
Working Title:	Complexity of Maritime Operations, Situations and Manoeuvres
Company:	Damen Shipyards Gorinchem
Start Date (Kick-Off):	4-9-2017
Green Light:	11-6-2018
Exam Date:	6-7-2018
Short Description:	<p>The aim of the project is to get insight in the complexity of manoeuvres of different ship types. Based on this advise can be given to the crew which level of attention is desired. A model will be created including a cost function for the complexity. This complexity together with the time to look ahead gives a probability of failure. Data will be delivered by Damen and several theoretical models of ships will be used. The results of this projects can be used as first steps towards remote and autonomous sailing.</p> <p>Due to the double degree the green and exam date are at the end of the year, similar to 60 ECTS.</p>

I have no more than 6 EC of electives, as shown in the table below, to be obtained at this point (attach proof if grade is not yet available in OSIRIS). This form is not signed by the Coordinator, if this is not the case.

Course code	Course name	EC	Obligatory	Date of Exam?
Enter course code.	Enter course code.	0	No	1-1-2017
Enter course code.	Enter course code.	0	No	1-1-2017
Enter course code.	Enter course code.	0	No	1-1-2017

Role	Name	Date	Place	Signature
Supervisor:	Robert Hekkenberg	10-10-2017	Delft	
MSc Coordinator:	Jeroen Pruyn	10-10-2017	Delft	
Student:	Ingmar Wever	10-10-2017	Delft	