

Team: \_\_\_\_\_

## CPX3 Grading Criteria – Stage 1-5

	grade	#pts	
<b>Introduction</b>		5	Did it discuss team goals?
<b>Subroutine #1</b>	Calibrate		
-- purpose		2	Why does the sonar system need this function? What does it do?
-- design		5	Design goals? Assumptions listed & valid? Specs listed & justified? algorithm? equations?
-- implementation		3	Quality of Matlab code and approach; proper header?
-- testing		5	Did they proof function meets specs? Plots and figures? Was given test data good enough, or did they create synthetic data to test with?
-- performance		3	How does their function's quality or speed compare to other teams
-- creativity		2	Initiative points for something better than other teams
<b>Subroutine #2</b>	TGC		
-- purpose		2	Why does the sonar system need this function? What does it do?
-- design		5	Design goals? Assumptions listed & valid? Specs listed & justified? algorithm? equations?
-- implementation		3	Quality of Matlab code and approach; proper header?
-- testing		5	Did they proof function meets specs? Plots and figures? Was given test data good enough, or did they create synthetic data to test with?
-- performance		3	How does their function's quality or speed compare to other teams
-- creativity		2	Initiative points for something better than other teams
<b>Subroutine #3</b>	Noise Filter		
-- purpose		2	Why does the sonar system need this function? What does it do?
-- design		5	Design goals? Assumptions listed & valid? Specs listed & justified? algorithm? equations?
-- implementation		3	Quality of Matlab code and approach; proper header?
-- testing		5	Did they proof function meets specs? Plots and figures? Was given test data good enough, or did they create synthetic data to test with?
-- performance		3	How does their function's quality or speed compare to other teams
-- creativity		2	Initiative points for something better than other teams
<b>Subroutine #4</b>	Upsample		(if only 3 teams mates, then this is average of the above 3)
-- purpose		2	Why does the sonar system need this function? What does it do?
-- design		5	Design goals? Assumptions listed & valid? Specs listed & justified? algorithm? equations?
-- implementation		3	Quality of Matlab code and approach; proper header?
-- testing		5	Did they proof function meets specs? Plots and figures? Was given test data good enough, or did they create synthetic data to test with?
-- performance		3	How does their function's quality or speed compare to other teams
-- creativity		2	Initiative points for something better than other teams
<b>Subroutine #4</b>	Beamformer		(if only 3 teams mates, then this is average of the above 3)
-- purpose		2	Why does the sonar system need this function? What does it do?
-- design		5	Design goals? Assumptions listed & valid? Specs listed & justified? algorithm? equations?
-- implementation		3	Quality of Matlab code and approach; proper header?
-- testing		5	Did they proof function meets specs? Plots and figures? Was given test data good enough, or did they create synthetic data to test with?
-- performance		3	How does their function's quality or speed compare to other teams
-- creativity		2	Initiative points for something better than other teams
<b>Conclusion</b>		5	
<b>English</b>		10	Clear and concise? Spelling, grammar, format...
<b>Bonus</b>			Up to a max of 10 points (for something above and beyond)
<b>Total</b>		100	