Name	Navigation
Identifier	UCXXXX
Sourc e	RS
Lead	CH
Description	-The commander sends to Higgs an spatial destination (spatial coordinates) -Higgs goes there while sending real time information of its current location and avoiding obstacles
Functional Focus	
Rationale	
Implementation	Physical
Actors	Mobile robot (subject), commander (human or artificial agent),
Status	Proposed
Priority	High
Basic flow of Events	
Preconditions	i) Base robotic platform operational. ii) A map of the area (of any kind/level of detail) iii) Current location known iiii) Working communication channel (both ways) with the commander
Postconditions	-Higgs at desired spatial destination -Higgs in the same working condition that it was at the start (a reduction in battery charge allowed) ready for, e.g., a next position
Extends *	
Includes *	Reactive movement? Avoid obstacle?
Constraints*	
Assumptions *	
Alternate Flow of Events *	-If an obstacle is unavoidable Higgs shall report to commander and maintain its current position -In the case of a battery warning the Higgs notifies the commander and tries to reach a safe location (e.g. plain terrain instead of a slope) before it is down
Change history *	2009-01-13 modified CH
Open issues *	
Free slots*	
ASLab projects	relevant to ICEA: UC0101 (ICEAsim)