## STATEMENT OF ETHICAL ISSUES AND ACTIONS

If the answer to any of the questions above is yes, or there are any other ethical issues that arise that are not covered by the checklist, then please give a summary of the ethical issues and the action that will be taken to address these in the box below. If you believe there to be no ethical issues, please enter "NONE".

As this research uses simulations the risks are minimal, The main issues are that of the use of Open Source software. As to which all items used within the project will be declared and referenced.

The aim of the research is to evidence the ability of existing algorithms in search and rescue operations, this will be performed in simulations, however the simulations should function correctly and efficiently for any whom may wish to add to this area in the future.

The social considerations are minimal, the project is heavily research based, the only potential issues arise if it were to be implemented in the real world, thorough testing is still needed as to minimize the potential for impact if this research was implemented in the real world.

## STATEMENT BY THE STUDENT

**I believe that the information I have given in this form on ethical issues is correct.**

Signature: _Luke McCann_          Date:   16.10.2018

## AFFIRMATION BY THE SUPERVISOR

**I have read this Ethical Review Checklist and I can confirm that, to the best of my understanding, the information presented by the student is correct and appropriate to allow an informed judgement on whether further ethical approval is required.**

Signature: _[signature]_          Date:   26/10/18

## SUPERVISOR RECOMMENDATION ON THE PROJECT'S ETHICAL STATUS

**Having satisfied myself of the accuracy of the project ethical statement, I believe that the appropriate action is:**

| | |
|---|---|
| The project proceeds in its present form | ✓ |
| The project proposal needs further assessment by an Ethical Review Panel. The Supervisor will pass the form to the Ethical Review Panel Leader for consideration. | |

## RETENTION OF THIS FORM

- The Supervisor must retain a copy of this form until the project report/dissertation is produced.