# FORTRAN Support Contract

# Requirement

Year 1

An independent programmer may be required to review software source code written in FORTRAN77. The reviewer will be expected to be up to date with best software development practises as well as the latest security issues with FORTRAN77.

This review will cover the following:

* Review the code using software such as Sonarqube or other appropriate code analysis software.
* Identify any security vulnerabilities in the code and make recommendations to fix these.
* Make any recommendations for improving the code.
* Recommend best current FORTRAN compilers for future development.
* Define the best structures for documenting/tracking the code.

If the review identifies any issues which need to be rectified the developer will produce a task specification on how to address these to be discussed with UKNNL.

Ongoing support:

Once the current FACSIMILE source code has been identified as secure and the review recommendations assessed by UKNNL, the developer may be required to provide future support. Some of this support may feature carrying out the recommendations, but this will be discussed with UKNNL on a case-by-case basis.

The developer will be required to provide ongoing support with regards to patch management.

The developer will be required to specify that any vulnerabilities which need to be addressed are rectified within 14 days to ensure UKNNL remains compliant with Cyber Essentials+.

The developer is expected to remain up to date with the latest security issues regarding FORTRAN77 and best software development practices.