



Document No.: ISIS-ESS-PM-Pi-0001

Author: Kevin Jones

Project Name: Loki

Revision: 1.0

Date: 05 Nov 2015

Project No.: Add Project No.

ESS Risk Plan

Kevin Jones

ISIS Delivery of instruments for ESS:

This document details where the risk register can be found, the major instrument risks and the review process

ESS Risk Plan

1. Introduction

The risks associated with the ESS instruments have been reviewed and recorded within the following Risk Registers.

ESS Instrument Risk Register (Doc. No. ISIS-ESS-PM-Ri-0001) – This is for the overall risks to the project. The individual instruments can be filtered from the overall risk register.

2. Summary of top risks

This section highlights the highest risk areas.

2.1. Overall Project risk register

The major risks to the project are consistent across all instruments currently these are:

Unclear detector technology

Both instruments being considered require new and novel types of detector technology. The development of this technology is still quite far away and therefore the project needs to develop contingency measures should the technology turn out not to be suitable.

Clear direction on standards and procedures

ESS is still a young facility and therefore is still developing a lot of its standards and procedures. Failure to deliver the required information to the instrument projects could result in lengthy delays and cost increases due to rework and re design. Good communication from both sides is essential to the successful delivery of the beamlines.

ESS Risk Plan

Unclear Bunker design

The Bunker arrangement is a key part of the instrument design and effects massively how the beamline is designed and operated. Very clear direction is required to the instruments on how this will look and operate in order for the instrument design to develop failure to supply this information could result in lengthy delays and increased cost for the instruments.

Staffing

Recruitment and retention of staff is an ongoing challenge currently for STFC ensuring that we have access to the correct type of staff at the appropriate times in the project will be key to the delivery of the instruments. This will require that some new recruitment take place. Also access to key personal from ESS will require clear planning on ISIS's part and a commitment to deliver from ESS.

3. Reviews

The risk registers for the individual instruments and the overall risk register are live documents and will be updated regularly. The top risks will be reported to the project board along with the appropriate mitigation strategy. Due to its high value the project will also appear in the STFC corporate risk register and report monthly on its status to the STFC Project Register Committee.