APPENDIX 3. DESIGN PROCESS FLOW CHART

Start:
Initial Enquiry

Question: Is this a pressure system (See Definitions 3.1 and 3.2)?

YES
Design to Sound Engineering Practice
Finish
Inform Originator

NO

Question: Is this a modification?

YES
Consult Nominated engineer

NO

Question: Is system subject to external pressure?

YES
Consult Vacuum Engineer

NO

This is a Pressure Vessel under PER and will need to comply with PSSR for use on STFC UK Sites, and also with PER if supplied for payment within the EU

Evaluate Stored Energy in System

Less than 250 Bar Litres
Design to Sound Engineering Practice
Produce Specification

More than or equal To 250 Bar Litres

Design according to requirements of appropriate PER category

YES
Nominated Engineer Approves Specification

NO

Design according to requirements of PSSR using PER as guidance

YES
Proceed to Design

Less than 250 Bar Litres
Design to Sound Engineering Practice
Produce Specification

More than or equal To 250 Bar Litres

Design according to requirements of appropriate PER category

YES
Nominated Engineer Approves Specification

NO

Design according to requirements of PSSR using PER as guidance

YES
Proceed to Design