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| **Prepared By** | **Xiaofeng Gao** | **Signature** |  |
|  | **Date** |  |
| **Approved By** |  | **Signature** |  |
|  | **Date** |  |
| **Released By** |  | **Signature** |  |
|  | **Date** |  |

|  |  |
| --- | --- |
| **Contributors** | |
| **Alan Bridger** |  |
|  |  |
|  |  |

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**List of Abbreviations**

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**Applicable Documents**

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| **Document Number** | **Document Title** | **Version Number** |
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**Reference Documents**

|  |  |  |
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| **Document Number** | **Document Title** | **Version Number** |
| 1 | 2014-11-24 v1 Swiss Cryo Procedure.docx |  |
| 2 | Fa17\_Electrical sceme.pdf |  |
| 3 | Fa18\_Electrical sceme.pdf |  |
| 4 | Fa19\_Electrical sceme.pdf |  |
| 5 | Sensorposition.pdf |  |
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# Requirements

[RD1]

# Tasks

## Become Familiar with LabVIEW

## Create a project structure in subfolders

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| **Project folder** |  |  |  |
| projectName |  |  |  |
|  | mainVIName.vi |  |  |
|  |  | **Subfolder** |  |
|  |  | Common | Some common used VIs |
|  |  | Monitor | Temperature/pressure monitor VIs. |
|  |  | Control | Temperature control VIs. |
|  |  | Example | Some initial test VIs |
|  |  | Document | Some short user manual and test report |

## Create SVN or Github repository for projectName

Keep updating repository regularly after major step

## Understand how to setup serial communication with other hardware from LabVIEW

Read from Website, particularly look for “set up serial communication with lakeshore 218 (or 340) from LabVIEW”

## Create a testing monitor VI under ../projectName/Example

Example: read temperature from lakeshore 218

## Create monitoring VIs under ../projectName/Monitor

Example: expand the above test VI to include all 4 Lakeshore218 temperature readings

## Create a testing control VI under ../projectName/Example

Example: control temperature from lakeshore 340

## Create temperature control VIs under ../projectName/Control

Example: expand the above test VI to include all 2 Lakeshore 340 temperature control

## Create/debug the mainVI under ../projectName

Combine 2.5 and 2.7, to construct the main GUI for control/monitor

## Write user manual and test report under ../projectName/Document

# Issues

# Summary

# Appendix

Some screenshots from previous GUI and document [RD1]

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