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| Target System (WBS 12.2.2, 12.2.3 and 12.2.4) PROJECT RISK ASSESSMENT |
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|  | Name | **Role/Title** |
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| **Owner** | Ulf Odén | WP2 Manager |
| **Reviewer** | <<Name>> | <<Role/ Title>> |
| **Approver** | Ulf Odén | WP2 Manager |

# Summary

This document provides a snapshot of the Project Risk Assessment for the Target System (WBS 12.2.2, 12.2.3 and 12.2.4), which is needed as an input for the Preliminary Design Review for these WBS elements. Technical (Quality and Function), project cost, operational cost, schedule, ES&H (personal injury and surroundings), and loss of stakeholder goodwill risks are identified and evaluated as part of the ESS Programme’s Risk Management System, utilizing the Exonaut risk management software system. This document is a printout of a standard report from Exonaut for the risk items related to these WBS elements. Section 1 of the report provides the risk event, cause, impact, treatment status and risk product (product of probability category and consequence category) for all identified risks that apply to WBS 12.2.2, 12.2.3 and 12.2.4. The analysis includes the total impact on the Target Station (WBS 12); therefore, it should be noted that the portion applicable to the Target Wheel, Drive, and Shaft and the Target Helium Cooling System might be less. Risk treatments for each risk event are provided in Section 2, and Section 3 highlights the most severe risks.

The printout from the Exonaut is attached as appendix 1.

Document Revision history

| Revision | Reason for and description of change | Author | Date |
| --- | --- | --- | --- |
| 1 | First issue | Ulf Odén | <<YYYY-MM-DD>> |
| 2 | Updated to fulfil PDR level | Ulf Odén | August 2015 |
| 3 | Updated with new input from Exonaut in front of He circulator CDR | Ulf Odén | February 2015 |
| 4 | Updated with new Exonaut print out 15 September 2016 | Ulf Odén | September 2016 |