

Technical Report

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Interface Control Document Target Systems- Accelerator Systems

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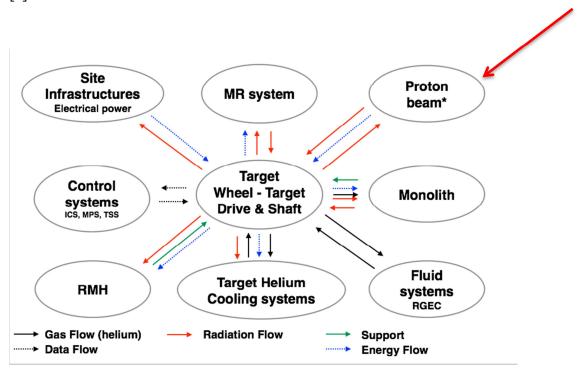
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1. INTRODUCTION

This document describes and defines interfaces between Target Wheel, Drive and Shaft Systems and Accelerator Systems. These interfaces represent part of the interfaces between Target Station and Accelerator. In this document interfaces are described according to [1].

In the figure below, interfaces related to Target Wheel, Drive and Shaft system are illustrated. Target Wheel, Drive and Shaft Systems description and requirements according to [2].



2. INTERFACE AGREEMENT

Description	Reference
Requirements imposed on the Accelerator system by Target	Section 2.1
Requirements imposed on the Target by the Accelerator system	Section 2.1

2.1 Requirements imposed on the Accelerator system by Target

2.2 Requirements imposed on the Target by the Accelerator system

ID	Wheel-901	Beam Parameters	
Requirement	Beam parameters shall be according to ref [4].		
Rationale/Reference	Design.		
ID	Wheel-902	Beam Instrumentation Plug	
Requirement	Accelerator Systems shall specify the luminescent coating on Beam Entrance Window surface necessary for the performance of the Beam Instrumentation Plug, and Target shall apply it.		
Rationale/Reference	Performance		
ID	Wheel-903	Beam Instrumentation Plug	
Requirement	Accelerator Systems shall specify the m Window surface necessary for the performand Target shall apply these.	narks and fiducials on Beam Entrance ormance of the Beam Instrumentation Plug,	
Rationale/Reference	Performance		

3. REFERENCES

- 1. ESS-0002917 Interface Management Plan
- 2. ESS-0020435 SDD-req; System Description Document Target Wheel, Drive and Shaft (Requirements and functions)
- 3. ESS- 2013-001 Technical Design Report
- 4. ESS-003310 Beam on Target Requirements
- 5. ESS-0034495 Design Beam Footprints for the Accelerator Target Interface