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The AfLS CDR Process and Status

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The Conceptual Design Report (CDR) is an important founding document for any large scale research infrastructure. In the case of the African Light Source (AfLS), we will have a CDR with four volumes:

- * Volume I. Political, Economic Development and Management Concepts
- * Volume II. Machine Design Concepts
- * Volume III. Scientific Cases and Technical Capabilities
- * Volume IV. Integrated Site Design and Construction

The spirit of the document is community consultation, and it will ultimately be written by experts, including those from the global community. It is Africa owned, and exhibit the spirit of Ubuntu.

This presentation has two parts. In the first we describe the CDR Document, and look at its sections, their intentions and target audiences.

We then lay out the CDR Roadmap process including the community consultation in virtual workshops by subject area, to elicit many White Papers, especially for the scientific case. The process unfolds as to the mechanism of managing the vision and quality, as well as coherence of the CDR document.

Following this we will describe the work done so far on the White Paper for Volume II as an example. This Volume deals with the machine aspects, and contextualises this discussion against international developments.

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