

Strain Burst Risk Analysis Proposal for Digital Guidelines

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22 July 2025



science, technology
& innovation

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



CSIR
Touching lives through innovation

80th
anniversary

Pre-conditioning Best Practice Guideline

WHY THE CSIR?

The CSIR was established by an Act of Parliament in 1945, with its executive authority vested in the Minister of Science, Technology and Innovation.

*The organisation plays a critical role in **collaborating** with both public and private sector through focused, multidisciplinary research and innovation.*

By aligning its work with national priorities and leveraging its strong science, engineering, and technology capabilities, the CSIR contributes meaningfully to industrial development and the building of a capable state.

1. Evaluation Current Situation

- Four Foundations of Strain Bursting

2. Describe Strain Bursting Risk

- Location; Cause; Type; Rank

3. Principle Design Strategies

- Alternatives to Preconditioning

4. Select Preconditioning Method

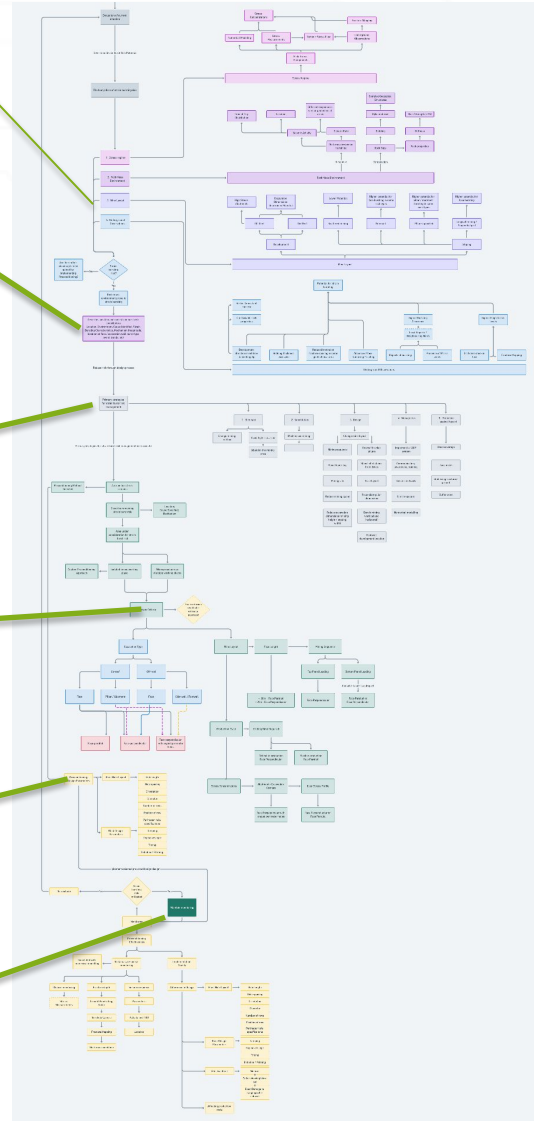
- Based on Best Practice

5. Preconditioning Design Parameters

- Based on Best Practice

6. Design Monitoring

- Design and Rockmass Response



The background is a solid blue color with a subtle, intricate pattern of white circuit lines and dots, resembling a printed circuit board. A large, thick white arrow points from the left side towards the right, partially overlapping the circuit pattern. The text "Thank you" is centered in the middle of the image.

Thank you