

# Status SCRF chapter

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E Elsen

## Summary

- text in LaTeX
- rearranging parts between sections
- no attempt to work on English yet
- many figures missing

# Brief overview

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# 3.1 Overview

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- Text available
  - can be made more concise once all chapters have been written
  - suggest to reconsider main achievements then
- Key figures have to be added

## 3.2 Development of worldwide cavity R&D and production infrastructure

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- List of all infrastructure and tools
  - still some repetition in main text
  - includes table of vendors in regions

## 3.3 High-gradient SCRF cavity R&D and the yield evaluation

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- very comprehensive
  - too long, can be shortened
  - most important element of progress worldwide
  - have left the text mostly untouched since it serves as a resource
- Figures still missing

## 3.4 Cavity integration

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- Exhaustive
- can still be streamlined: dominance currently is completeness rather than importance.
- (Tentative) conclusions still missing - many options seem possible
  - Should have more comparison
    - e.g. coupler conditioning

## 3.5 The S1-Global Experiment

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- Very complete
  - Exhaustive for tuners
  - Coupler tests
  - Should decide what is infrastructure and what is S1 global



## 3.6 Cryomodule, cryogenic thermal balance and quadrupole R&D

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- Draft form
  - needs to be updated

## 3.7 RF power generation and distribution

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- Largely chronological
  - more emphasis on conclusions
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## 3.8 R&D towards mass-production and design for manufacture

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- Incomplete draft
  - should make better reference to studies of production models
  -