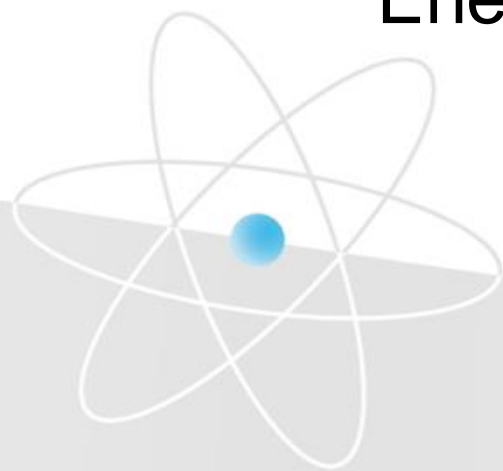


# Technical Meeting on Research Reactor Ageing Management, Refurbishment and Modernization

31 May–4 June 2021



Argentine Atomic  
Energy Commission  
(CNEA)



## **METHODOLOGY FOR SSC AGEING EVALUATIONS IN THE FRAMEWORK OF SAFETY REVIEWS FOR ARGENTINE RESEARCH REACTORS**

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# OUTLINE



1. Background
2. Main tool for review
3. Condition assessment report description
4. Reporting results of the review



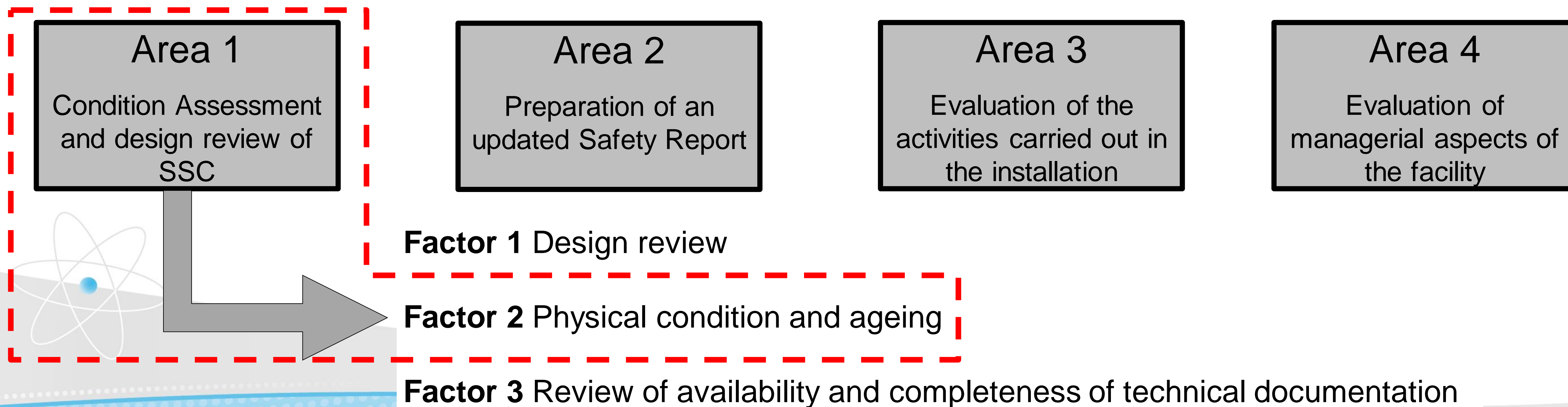




## BACKGROUND

The **Argentine Regulator** requires that **safety reviews** be carried out on **research reactors**.

The Regulator has developed a guideline that contains **definitions, scope and general aspects** for the development of these Safety Reviews divided in **thematic areas**:

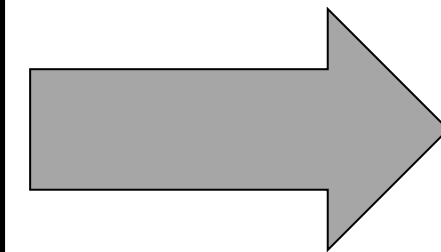


# MAIN TOOL FOR REVIEW (A1 f2)

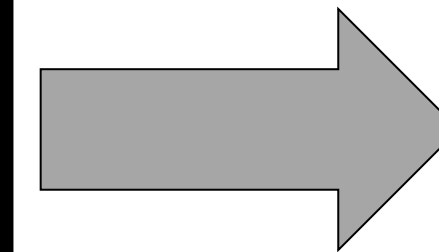


- List of SSC and their safety function
- Technical information (drawings, design data)
- Safety Report
- Maintenance and surveillance practices
- Operating and maintenance records

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Condition Assessment  
Main tool for  
Area 1 Reports



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- Rating of A1f2 assessment for each component (excellent, good, regular, poor)
- Recommendations, findings, opportunities of improvement

Verify physical state of safety related SSC and identify degradation that could affect the safety function

One report per system with a safety function, divided in sections for each group of components







## REPORTING RESULTS OF THE REVIEW



Components ratings, recommendations, findings and other results from all Condition Assessment Reports are collected and summarized in a single A1f2 report.

Then, the results of A1f2 review are analyzed along with the results of A1f1 and A1f3 and a global assessment for A1 of each structure and component is determined.

Finally, recommendations, findings, opportunities of improvement and other tasks identified during the review of A1 are prioritized for its implementation. At this point, the review stage is concluded and the implementation stage begins.







**Comisión Nacional de Energía Atómica**

**Thank you for your attention!**

