



Jules Horowitz Reactor (JHR) operating preparation : status as of mid-2023 following reassessment of the project

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CEA/DES/IRENE/DER/SERJH

IGORR conference, 19th-23rd of June, 2023



Outline

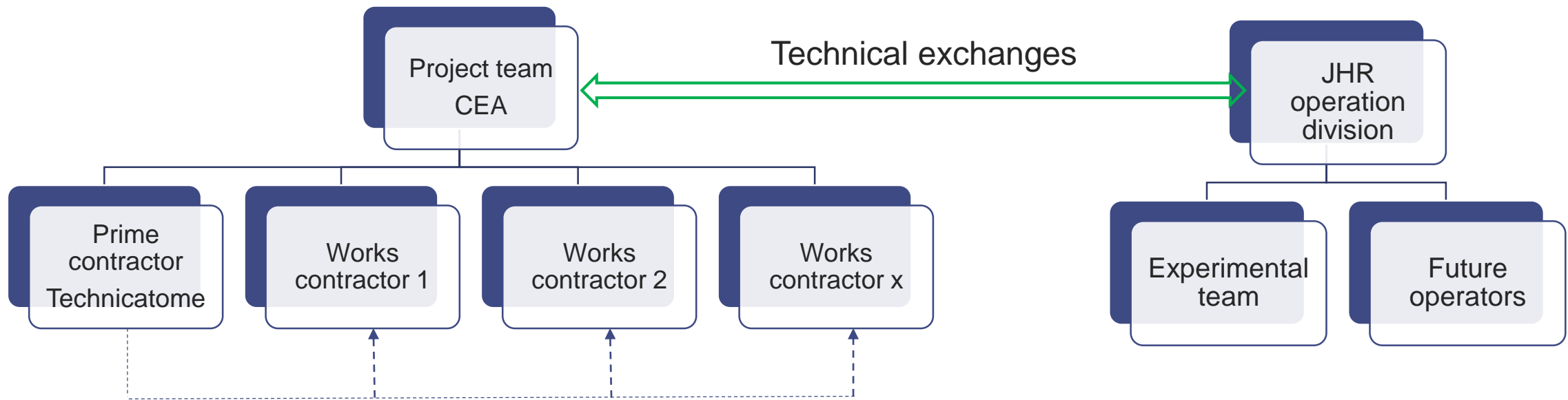
- 1. Organization change**
- 2. Missions of future operator**
- 3. Up-to-date status & Work program**
- 4. Conclusion**



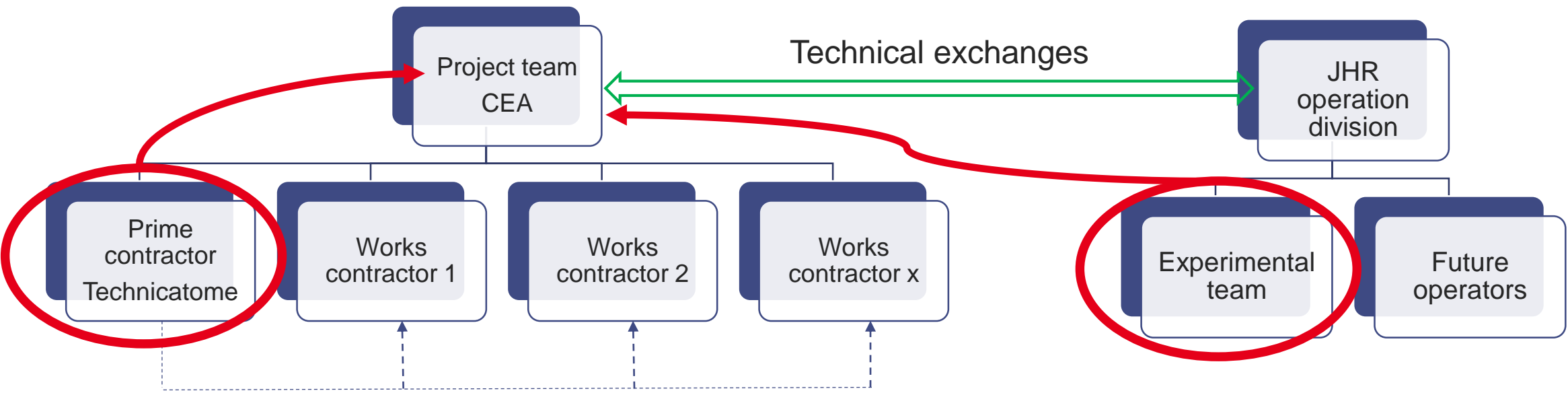


1 ■ Organization change

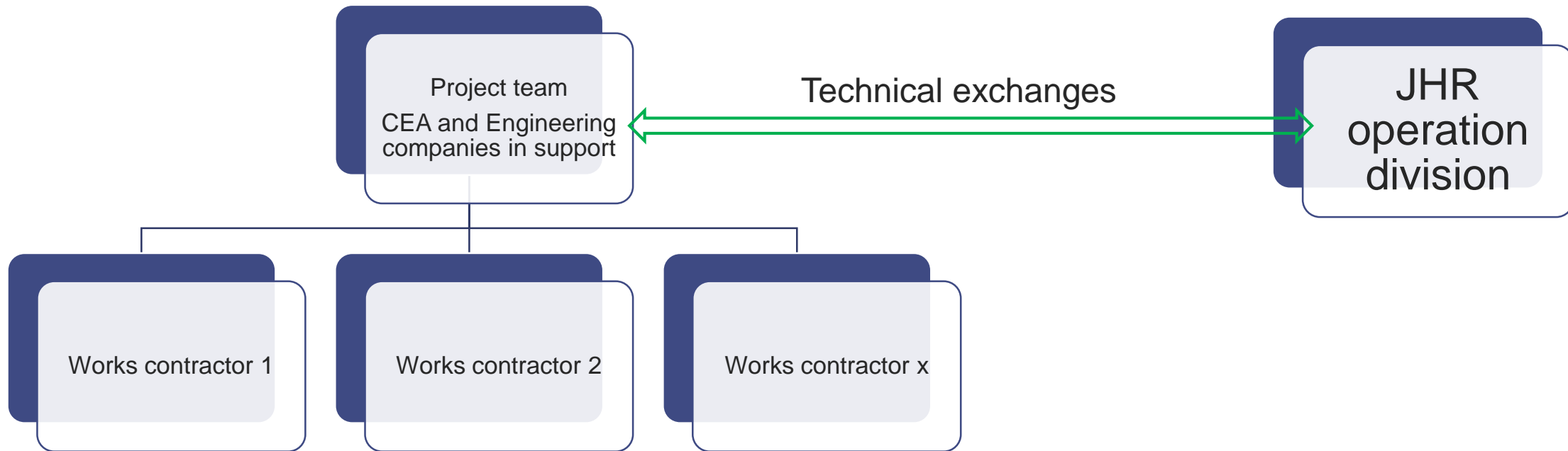
Previous organization



Organization changes



Current organization





2 ■ Missions of future operator

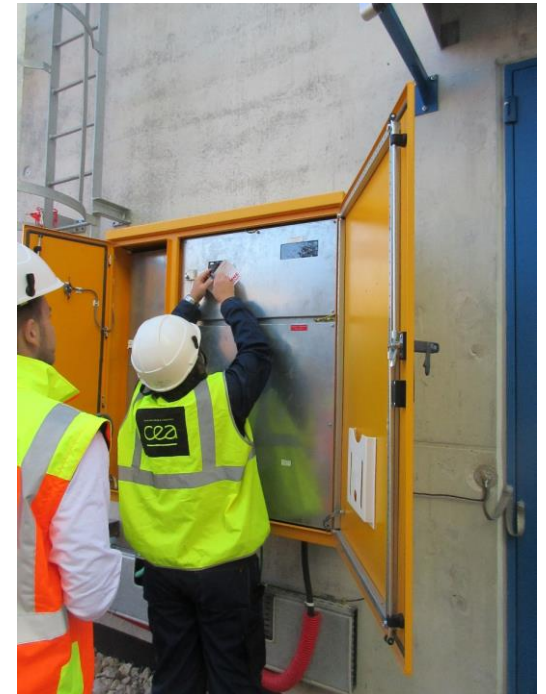
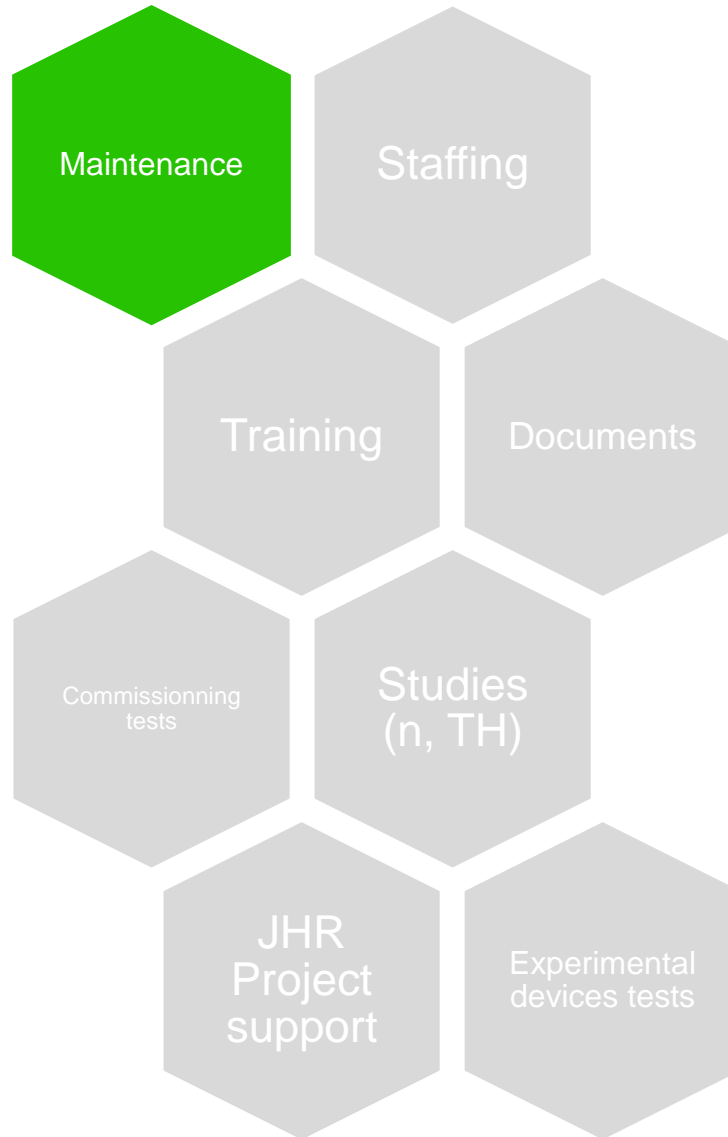
Missions of future operator



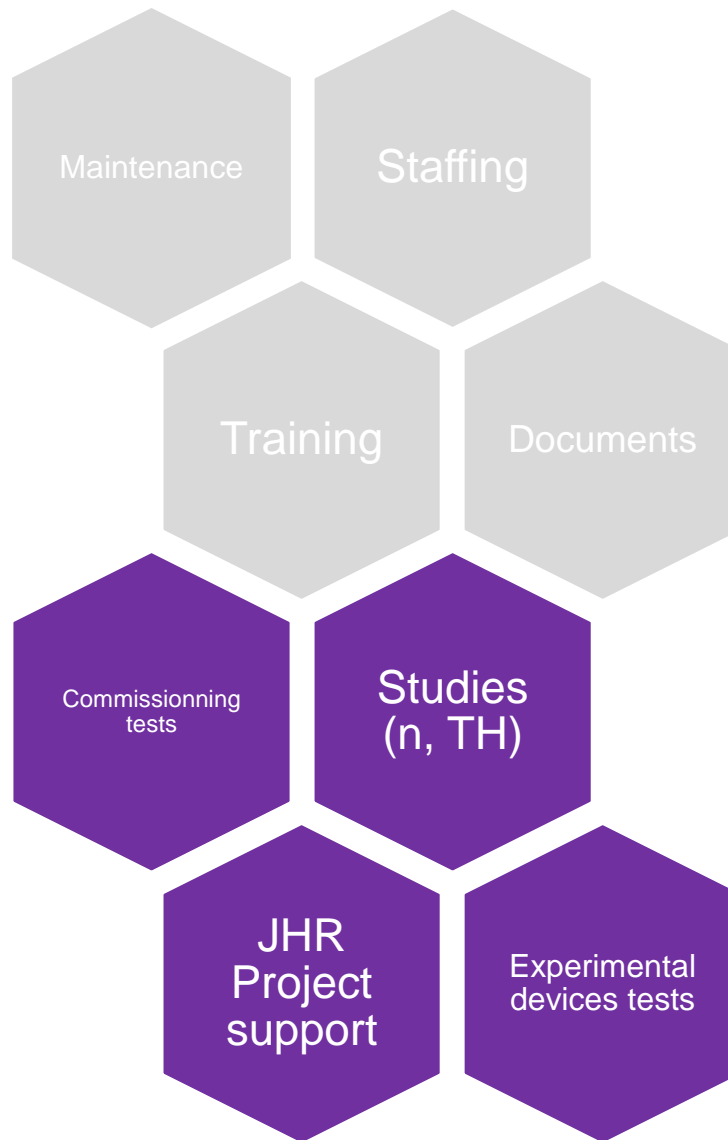
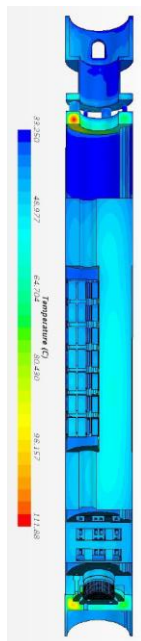
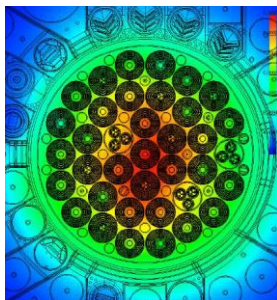
Missions of future operator



Missions of future operator



Missions of future operator



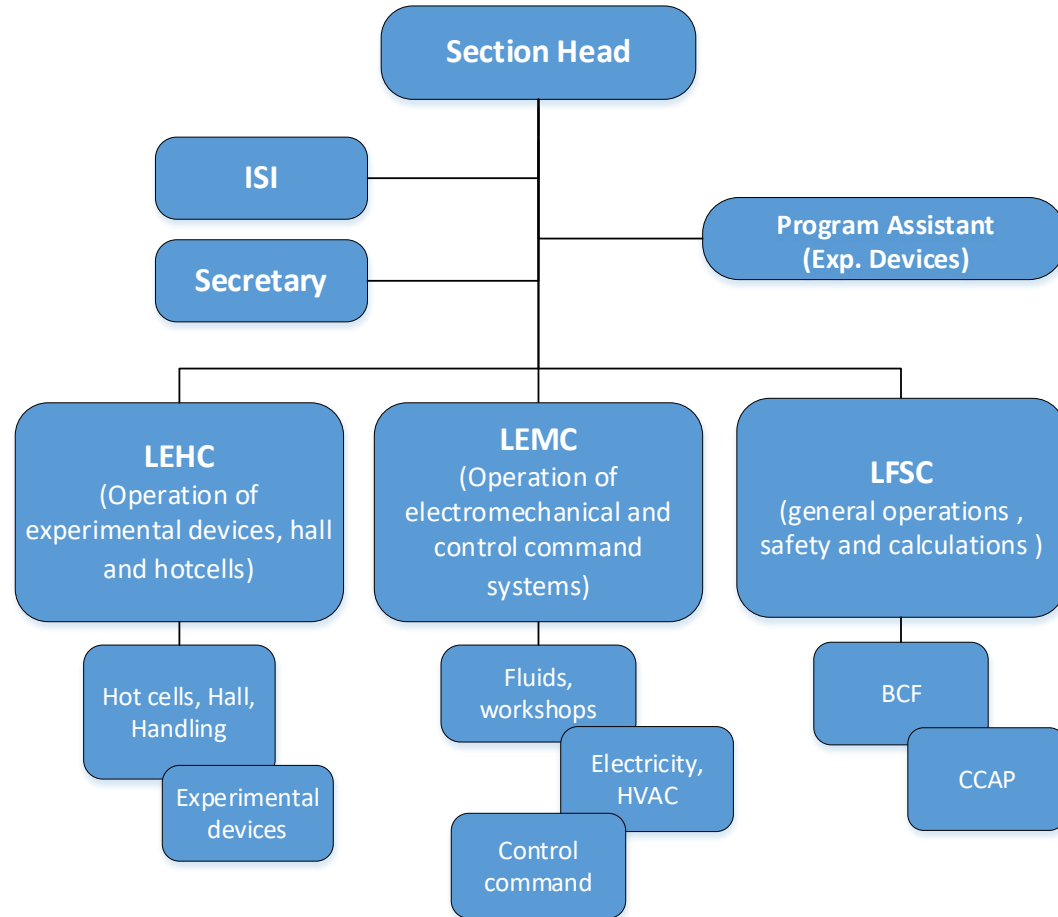


3 ■ Up-to-date status & Work Program



Staffing - Status

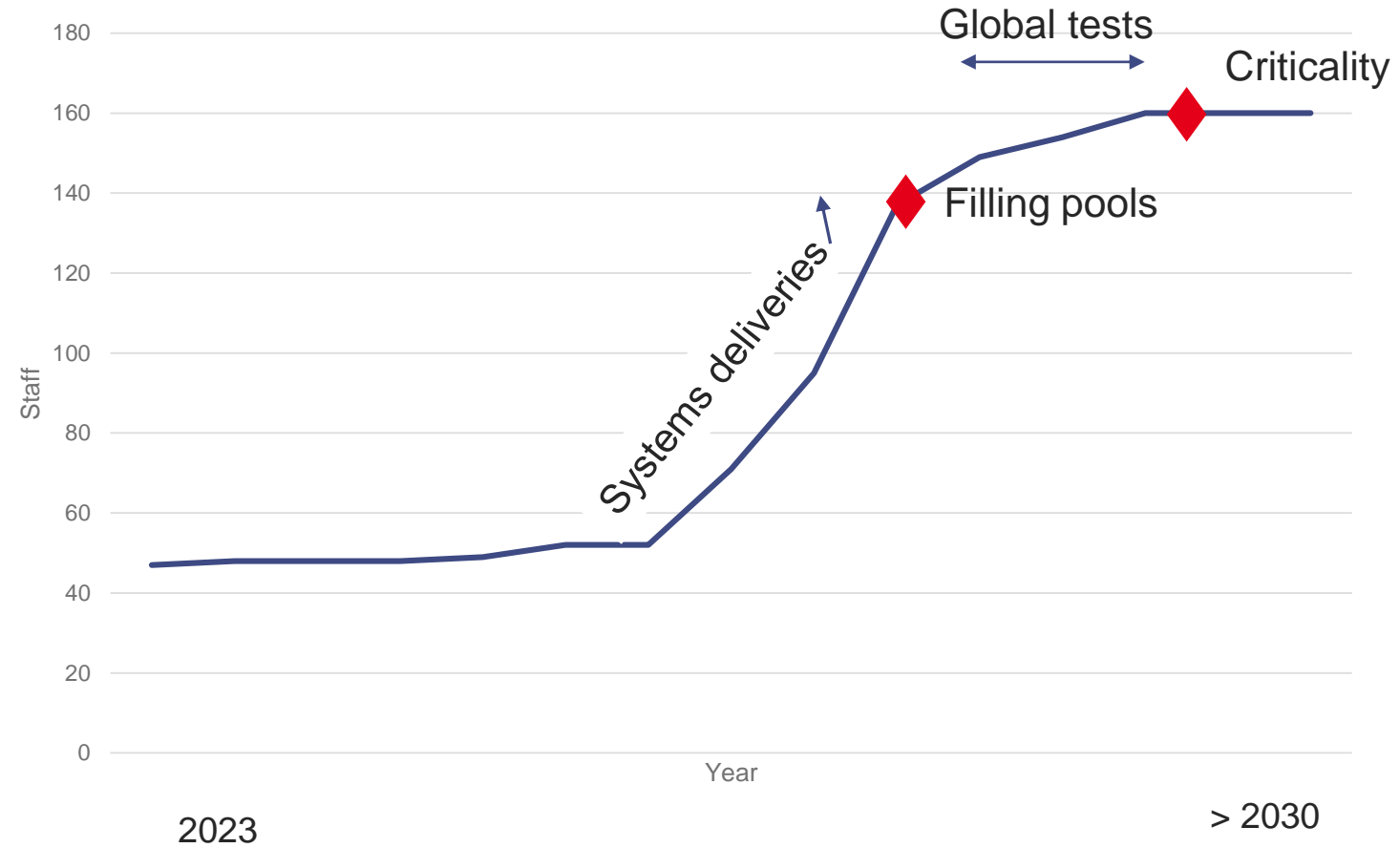
Preparation of the operation



47 people

Staffing – To do

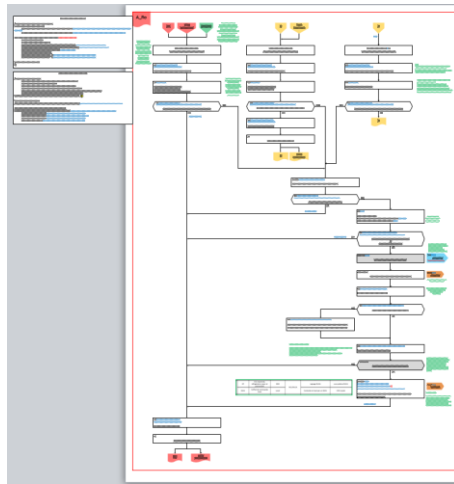
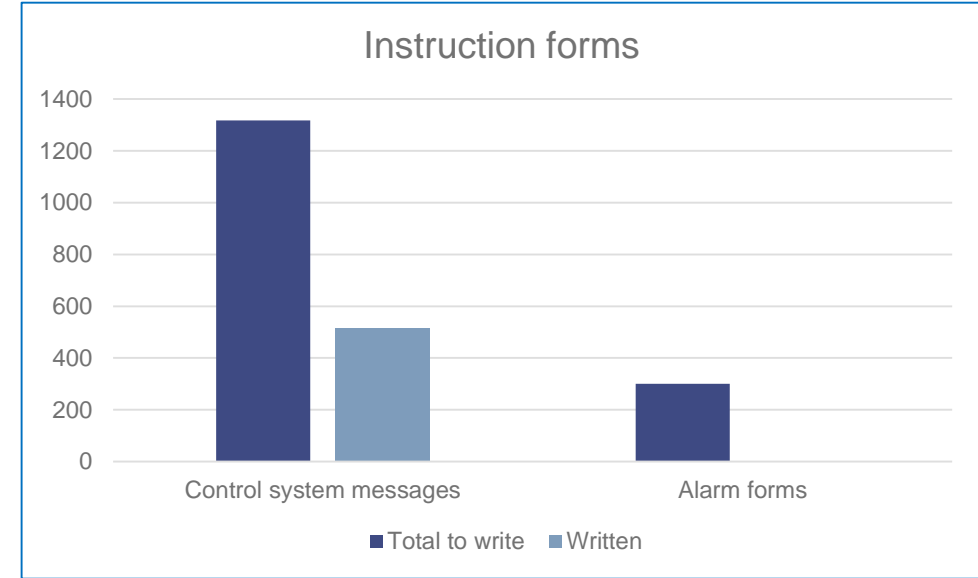
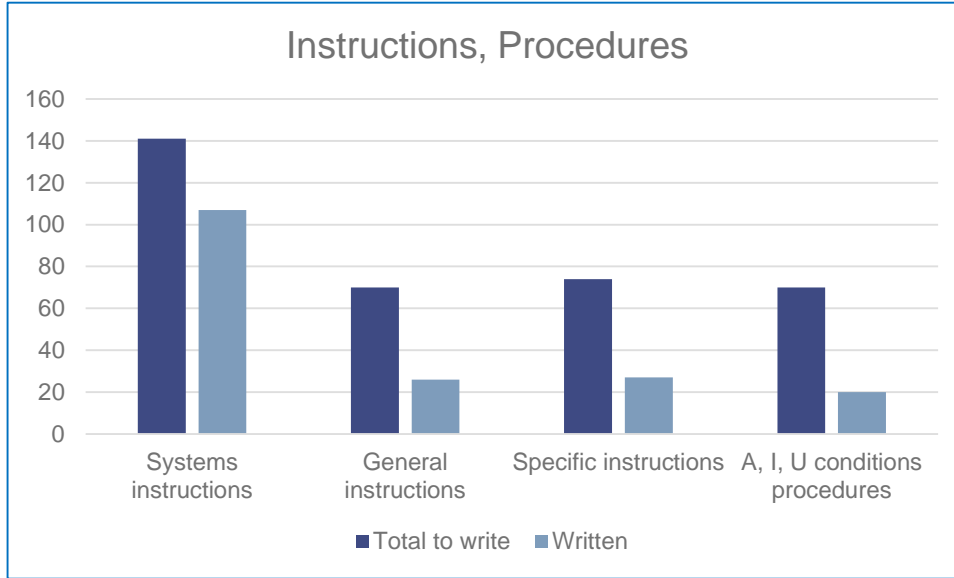
Preparation of the operation





Documentation - Status

Preparation of the operation



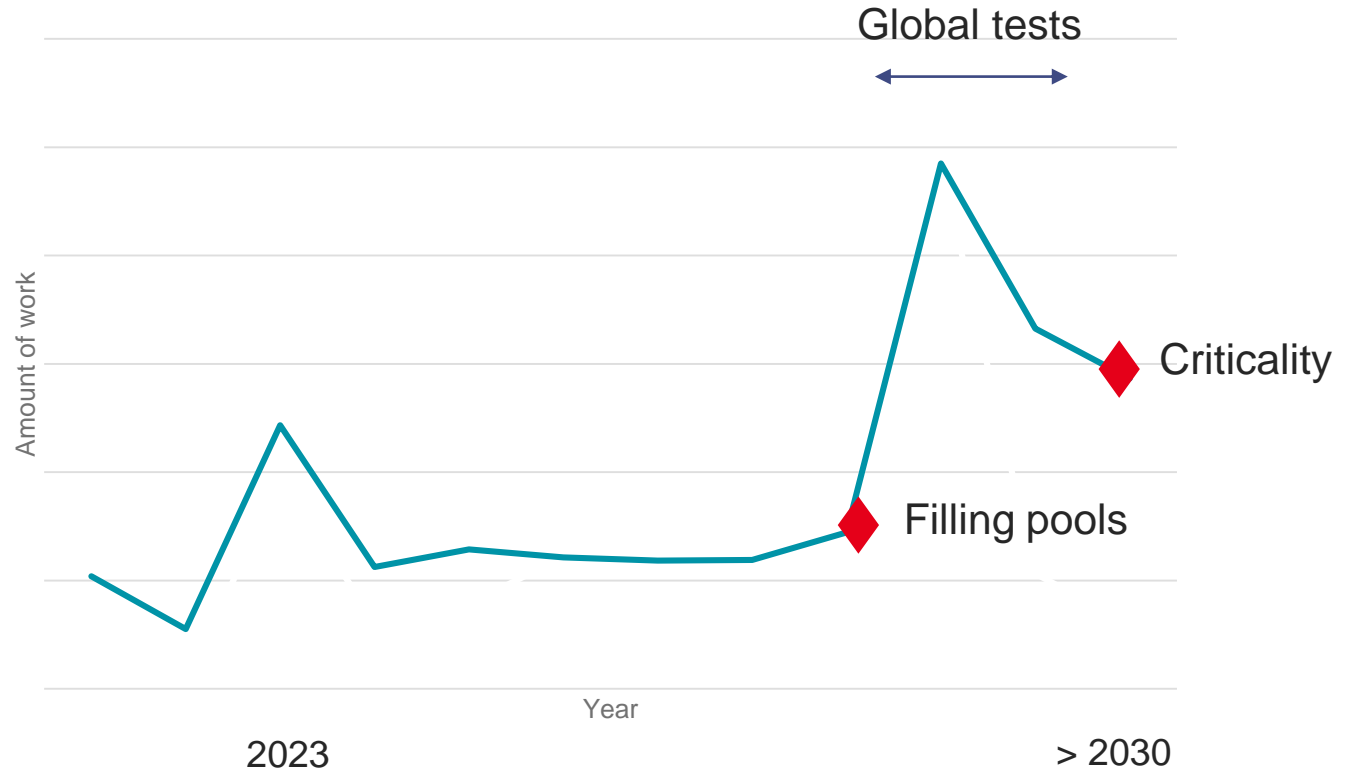
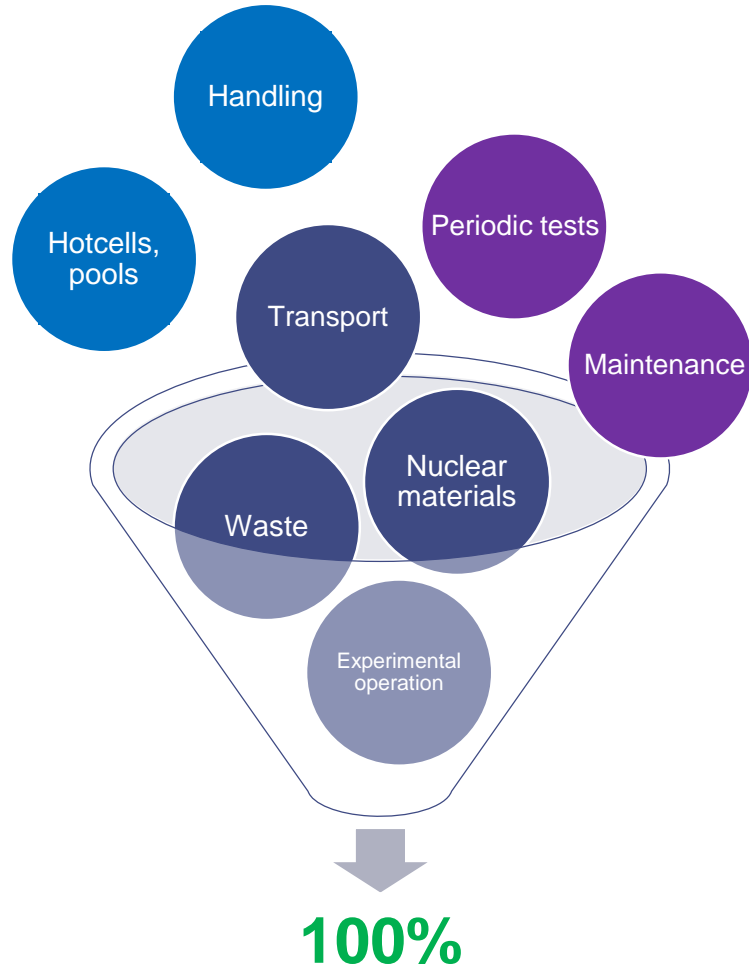
Accidental conditions procedure

Total : 30%



Documentation - Plan

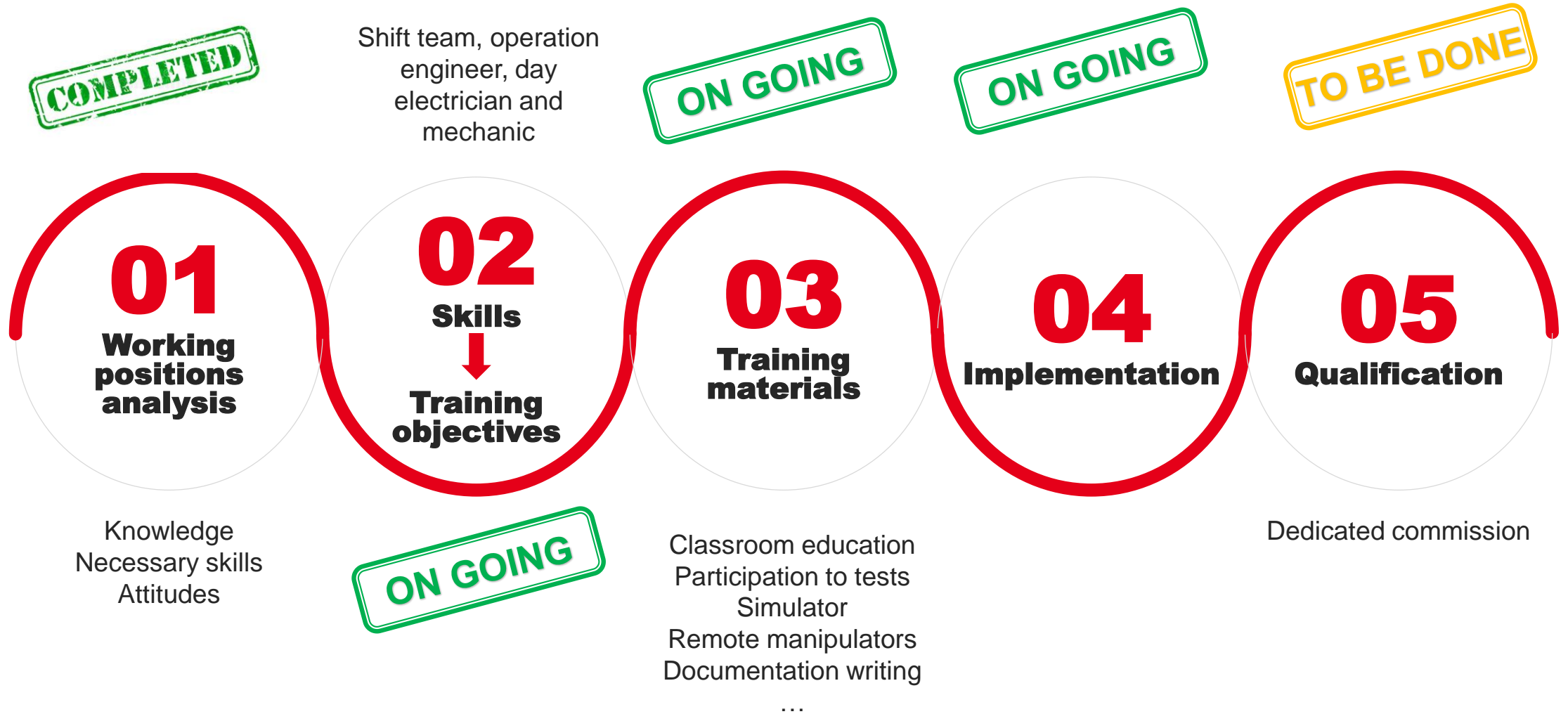
Preparation of the operation





Staff training - Status

Preparation of the operation



Staff training – To do

Shift team, operation engineer, day electrician and mechanic



Preparation of the operation

01

Working positions analysis

02

Skills



Training objectives

03

Training materials

04

Implementation

05

Qualification

All other jobs : safety engineer, the handling operator, the team supervising the operation jobs (such as nuclear material and waste manager, transportation manager, the core loading and unloading manager...), ...

Creation of missing training materials





Systems transferred to future operator

Operation of systems



Assembly hall



Power supply



Office building



Polar crane



3rd cooling system

Lifts,...



On-going transfers

Operation of systems



Security access



Auxiliary building handling tools



UGXR collimator
Underwater Gamma and X-Ray measurement bench



Prestressing cables



Stacks

CESARINE pool

Experimental devices tests

Project assistance



CORALIE



HGXR bench

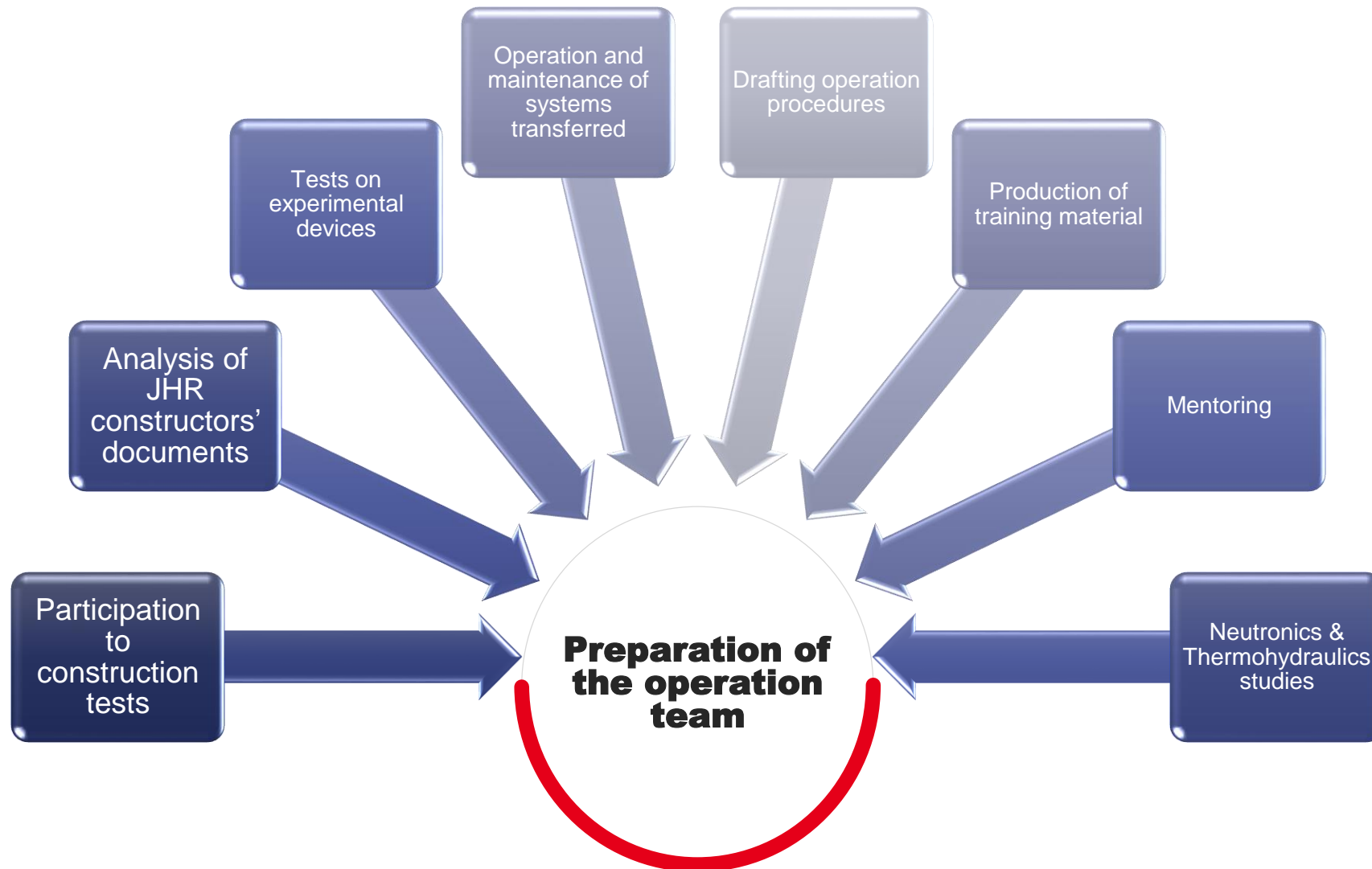


Handling test



4. Conclusion

Conclusion



The CEA logo consists of the lowercase letters 'cea' in a red, rounded, sans-serif font. A horizontal red line is positioned directly below the letters. The logo is centered within a white square.

cea

Thanks

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