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Carbon-based materials for TDE core

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A description of the design process followed to arrive at the current proposed design of the TDE core.

- General requirements for core materials
- Market Survey process (inputs and assumptions)
- · Material testing
- HiRadMat-65 experiment approach, assumptions, analysis, QA + results
- Refinement of material distribution following HRMT results
- Describe validation checks and calculations
- Detailed geometry of IG and CFC parts and features introduced to mitigate possible failure modes
- CFC shrink fitting feasibility studies and simulations
- FMEA –residual risks in design following mitigation

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