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System Engineering for SKA –special changes to classical SE processes to allow for the R&D nature of the SKA

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The high R&D content combined with the high volume production nature of projects such as the SKA presents special challenges to the system engineering process. The process must be tailored to allow emerging technologies to be incorporated into the programme during development. At the same time, the process must ensure that production baselines are frozen sufficiently early to reduce implementation risk. This paper presents an approach to tailoring the system engineering approach for such projects, based on the learning from the MeerKAT project.

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