

ESCC evolution: Enhanced Grade Component for improving the availability of strategic EEE component in Europe.

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Space type of mission is nowadays more diverse than it was 10 years ago. The duration of satellite operation in the frame of constellation is reduced compared to the historical geo telecom satellite and the number of small (nano) satellite is increasing. ESCC qualified component can be used in all these applications but have most of the time reliability margin, cost, and procurement time not adequate to answer the need of this new market.

The goal of ESCC (European Space Components Coordination) is to improve the availability of strategic EEE space components with the required performance and at affordable costs for institutional and commercial space programmes. In this view, ESCC SCSB (Space Components Steering Board) decided to develop a new scheme in the frame of ESCC called Enhanced Grade Component.

The presentation will quickly present the current ESCC system then will present the Enhanced Grade (EG) Component scheme with some examples of component candidates for EG Component listing.