

# **European Space Standards for Environments and Effects**

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Under the auspices of the European Cooperation on Space Standards (ECSS), standards are being established to help engineers assess various environmental effects on space systems. These include standards on the space environment itself, on spacecraft-plasma interactions and on radiation effects calculation methods. The standards indicate the most appropriate methods to evaluate the environments and the various effects that may be encountered, including radiation damage and spacecraft charging. The standards complement existing and planned ISO and ECSS standards, including the ECSS standards relating to EEE components and electrical and mechanical systems development. Relationships with testing and margin issues are discussed.