

# ISO 19923:2017-06 (E)

## Space environment (natural and artificial) - Plasma environments for generation of worst case electrical potential differences for spacecraft

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Symbols and abbreviated terms .....	2
5	Criteria for worst-case environment .....	2
6	Procedures for application to spacecraft design .....	2
7	Space environments for worst-case simulations .....	3
7.1	GEO worst-case environment .....	3
7.2	PEO and MEO worst-case environments .....	3
Annex A (informative) Spacecraft charging analysis tools .....		4
Annex B (informative) Round-robin simulation[7] .....		5
Annex C (normative) Material properties .....		10
Annex D (informative) Tailoring guideline for this document .....		13
Bibliography .....		14