
**Space systems — Re-entry risk
management for unmanned spacecraft
and launch vehicle orbital stages**

AMENDMENT 1: Formula to obtain E_c by the product of the probability of impact on a specific latitude band, and the population within the band, which is integrated over the latitude range covered by the orbital inclination

Systèmes spatiaux — Gestion du risque de la rentrée pour les étapes orbitales des véhicules spatiaux non habités et des lanceurs spatiaux

AMENDEMENT 1





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C.4

Replace Formula (3) and the preceding paragraph with the following.

To get a more exact value, the difference of probability of impact on specific latitude bands may be taken into consideration. E_c will be obtained by the casualty area, the product of the probability of impact on a specific latitude band and the population within the band, which is integrated over the latitude range covered by the orbital inclination.

$$E_c = A_c \sum_{i=\text{minimum latitude}}^{\text{maximum latitude}} P_i N_i / A_i \quad (3)$$

