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# Problems of using a prospective selection algorithm in the operational control loop for maximum descent safety in case of off-nominal situations

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*The article considers problems of promptly ensuring a safe deorbiting of the crew in case of an emergency descent. Analysis of relevance of developing a deorbiting safety algorithm for cases when landing onto standard grounds is impossible is presented. Basic requirements for a deorbiting guidance system of prospective manned spacecraft necessary for the algorithm operation are shown. Results of updating the deorbiting safety algorithm for it to function in the operational control loop are presented.*

**Keywords:** combined guidance system, precision landing guidance, satellite navigation, crew safety.

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