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RESEARCH ON RESOURCE SCHEDULING MANAGEMENT MODEL OF NORMALIZED  
EMERGENCY RESPONSE IN AEROSPACE TT&C NETWORK

**Abstract**

With the rapid increase of the number of in-orbit satellites, satellite emergency requests have gradually become normalization. In order to meet the high real-time effectiveness demands of normalized emergency response in space TTC network resource scheduling system, and improve the satisfaction rate of emergency tasks, this paper analyzes the existing issues of traditional resource scheduling method under emergency conditions, and proposes a complete framework of emergency resource scheduling. After that, the key technologies of the framework such as task non-full-arc assignment, cooperative game and priority models are discussed. Based on the new framework, the resource utilizations are more reasonable and the response efficiency of emergency application is improved effectively.