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DESIGN ON RELIABILITY OF MALFULTION DETECTION AND PROCESSING FLIGHT SOFTWARE

Abstract

As manned space flight missions are conducted frequently in China, the software reliability in aerospace is paid more and more attention in recent years. This paper shows a real-time embedded software on some manned launch vehicle, which contains several design on reliability of interface, data and running status, such as communication detection, data verification and heartbeats. Error escaping and leakage escaping is reduced efficiently by using these methods.