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targeting software and hardware engineers by starting this interesting safety journey our hopes are high that the [] [] 2021 [] 4 [] 6 [] safety critical systems in most modern applications are designed in a way such that they provide a fail safe operation when a fault occurs to pose minimum risk to the user as these systems become more sophisticated with increased functionality it is important that their design incorporates functi [] [] the safety critical systems handbook a straightforward guide to functional safety iec 61508 2010 edition iec 61511 2016 edition related guidance including machinery and other industrial sectors fourth edition dr [] [] 2020 [] 8 [] 2 [] safety critical systems are designed to prevent catastrophic consequences from failure such as injury or death to humans and environmental damage these must be carefully designed to ensure reliability requirements the purpose of this paper is to identify the number of models in the reliability analysis of safety critical [] [] 2021 [] 2 [] 14 [] harm hazardous events and situations hazard safety functions highly available systems and safety critical system and safety requirements are introduced in parts with slight variations when compared to the definitions already

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