1. Record Nr. UNINA9910788184103321 Autore Rierson Leanna Titolo Developing safety-critical software: a practical guide for aviation software and do-178c compliance / / by Leanna Rierson Pubbl/distr/stampa Boca Raton, FL:,: CRC Press,, [2017] ©2013 **ISBN** 1-351-83405-3 1-315-21816-X 1-4398-1369-8 Edizione [First edition.] Descrizione fisica 1 online resource (596 p.) Soggetti Aeronautics - Data processing Aeronautics - Safety measures Aeronautics - Safety regulations - United States Computer software - Reliability Computer software - Development Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Nota di contenuto Front Cover: Back Cover Sommario/riassunto The amount of software used in safety-critical systems is increasing at a rapid rate. At the same time, software technology is changing, projects are pressed to develop software faster and more cheaply, and the software is being used in more critical ways. Developing Safety-Critical Software: A Practical Guide for Aviation Software and DO-178C Compliance equips you with the information you need to effectively and efficiently develop safety-critical, life-critical, and mission-critical software for aviation. The principles also apply to software for

automotive, medical, nuclear, and other safety-critical domains.