Record Nr. UNISA996278280203316 IEEE Standard Adoption of ISO/IEC 15026-1, Systems and Software **Titolo** Engineering, Systems and Software Assurance. Part 1, Concepts and Vocabulary / / IEEE Computer Society Software Engineering Standards Subcommittee [and three others] Pubbl/distr/stampa New York:,: IEEE,, 2014 **ISBN** 0-7381-9350-X Descrizione fisica 1 online resource (x, 24 pages): illustrations Collana IEEE Std;; 15026-1-2014 Disciplina 005.10685 Computer software - Quality control Soggetti Computer software - Quality control - Standards Computer systems - Quality control - Standards Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto Assurance-related terms are defined and an organized set of concepts and relationships to establish a basis for shared understanding across user communities for assurance are established in this adoption of ISO/IEC 15026-1. It provides information to users of the other parts of this International Standard including the combined use of multiple parts. The essential concept introduced by ISO/IEC 15026 is the statement of claims in an assurance case and the support of those claims through argumentation and evidence. These claims are in the context of assurance for properties of systems and software within life cycle processes for the system or software product. Assurance for a service being operated and managed on an ongoing basis is not covered in this International Standard. Keywords: adoption, assurance, assurance case, claim, IEEE 15026-1, integrity level, life cycle

assurance, systems engineering.

processes, reliability, software assurance, software engineering, system