

Principali norme per il software e per il settore IT

Il comitato JTC 1

- In ambito ISO e IEC opera il comitato JTC1 che si occupa delle norme del settore IT
- Il comitato gestisce 2228 standard ed ha pubblicato 540 standard
- Al comitato partecipano 40 nazioni come membri effettivi e 44 nazioni come osservatori
- Sono operativi diversi working group (vedi elenco alla slide successiva)

- *NOTA - I dati riportati si riferiscono alla data del 10 agosto 2008*

Sottocomitati/working group operativi

JTC 1/SWG	Accessibility (SWG-A)
<u>JTC 1/SC 2</u>	Coded character sets
<u>JTC 1/SC 6</u>	Telecommunications and information exchange between systems
<u>JTC 1/SC 7</u>	Software and systems engineering
<u>JTC 1/SC 17</u>	Cards and personal identification
<u>JTC 1/SC 22</u>	Programming languages, their environments and system software interfaces
<u>JTC 1/SC 23</u>	Digitally Recorded Media for Information Interchange and Storage
<u>JTC 1/SC 24</u>	Computer graphics, image processing and environmental data representation
<u>JTC 1/SC 25</u>	Interconnection of information technology equipment
<u>JTC 1/SC 27</u>	IT Security techniques
<u>JTC 1/SC 28</u>	Office equipment
<u>JTC 1/SC 29</u>	Coding of audio, picture, multimedia and hypermedia information
<u>JTC 1/SC 31</u>	Automatic identification and data capture techniques
<u>JTC 1/SC 32</u>	Data management and interchange
<u>JTC 1/SC 34</u>	Document description and processing languages
<u>JTC 1/SC 35</u>	User interfaces
<u>JTC 1/SC 36</u>	Information technology for learning, education and training
<u>JTC 1/SC 37</u>	Biometrics

Norme del settore IT

- **La quantità di norme emesse è elevata.**
 - **La frequenza di emissione di nuovi standard o di nuove edizioni di standard esistenti è alta.**
 - **Nelle slide che seguono riportiamo un elenco molto limitato, liberamente scelto e valido alla data di emissione di queste slide.**
 - **Si raccomanda di fare riferimento al sito della ISO (*) per ogni necessità e per avere la situazione aggiornata.**
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- **(*)http://www.iso.org/iso/standards_development/technical_committees/list_of_iso_technical_committees/iso_technical_committee.htm?commid=45020**

Software - Guide interpretative ISO 9001

- **ISO/IEC 90003:2004 Software and system engineering — Guidelines for the application of ISO 9001:2000 to computer software**
- **UNI CEI ISO/IEC 90003:2005 (Versione italiana)**

Software- Life cycle

- **ISO/IEC 12207:2003 Information technology - Software life cycle processes**
- **UNI CEI ISO/IEC 12207:2003 Tecnologia dell' informazione – Processi del ciclo di vita del software. (versione italiana)**
- **ISO/IEC 12207:1995/Amd.1:2002 Information technology — Software life cycle processes - Amendment 1**
- **ISO/IEC 12207:1995/Amd.2:2004 Information technology — Software life cycle processes - Amendment 1**
- **ISO/IEC TR 16326:1999, Software engineering – Guide for the application of ISO/IEC 12207 to project management**
- **ISO/IEC TR 15271:1998, Information technology – Guide to ISO/IEC 12207 (Software life cycle processes)**

Software- Life cycle

- **ISO/IEC 15288:2002 Systems Engineering – Systems Life Cycle Processes**
- **ISO/IEC 14764:1999 Information Technology - Software Maintenance**
- **ISO/IEC TR 16085:2004 Information technology – Software life cycle manager**
- **ISO/IEC TR 15846:1998, Information technology – Software life cycle processes – Configuration Management**

Software – Product evaluation

– ISO/IEC 14598 (1998-2001):

- *ISO/IEC 14598-1:1999 Information technology -- Software product evaluation -- Part 1: General overview*
- *ISO/IEC 14598-2 :2000 software engineering -- Product evaluation -- Part 2: Planning and Management*
- *ISO/IEC 14598-3:2000 Information technology -- Software product evaluation - Part 3: Process for Developers*
- *ISO/IEC 14598-4:1999 Software engineering -- Product evaluation -- Part 4: Process for acquirers*
- *ISO/IEC 14598-5:1998 Information technology -- Software product evaluation -- Part 5: Process for evaluators*
- *ISO/IEC 14598-6: 2001 Software engineering -- Product evaluation -- Part 6: Documentation of Evaluation Modules*

- **ISO/IEC 9126-1:2001; Software engineering – Product quality Part 1: Quality model**
- **versione italiana: UNI CEI ISO/IEC 9126-1:2007**

- **ISO/IEC TR 9126-2:2003; Software engineering – Product quality Part 2: External metrics**

- **ISO/IEC TR 9126-3:2003; Software engineering – Product quality Part 3: Internal metrics**

- **ISO/IEC TR 9126-4:2004; Software engineering – Product quality Part 4: Quality in use metrics**

- **ISO/IEC 15504: Sono norme derivate dal progetto SPICE sulla metodologia di valutazione dei processi di sviluppo software**
 - *ISO/IEC 15504-1:2004 Information technology - Software process assessment - Part 1: Concepts and introductory guide*
 - *ISO/IEC 15504-2:2003 Information technology - Software process assessment - Part 2: A reference model for processes and process capability*
 - *ISO/IEC 15504-2:2003/Cor.1:2004*
 - *ISO/IEC 15504-3:2004 Information technology - Software process assessment - Part 3: Performing an assessment*
 - *ISO/IEC 15504-4:2004 Information technology - Software process assessment - Part 4: Guide to performing assessments*
 - *ISO/IEC TR 15504-5:2006 Information technology - Software Process Assessment - Part 5: An assessment model and indicator guidance*

Software - varie

- **ISO/IEC 15910:1999, Information technology – Software user documentation process**
- **ISO/IEC 15939:2002, Information technology – Software measurement process**
- **ISO/IEC 19796-1:2005 - Information technology -- Learning, education and training -- Quality management, assurance and metrics -- Part 1: General approach**

Norme IT Security: ISMS

- **ISO/IEC 27001:2005 Information technology — Security techniques — Information security management systems — Requirements**
- **ISO/IEC 17799:2005 Information technology — Security techniques — Information security management systems — Code of practice for information security management (sostituita dalla ISO/IEC 27002)**
- **ISO/IEC 27002:2005 Information technology — Security techniques — Information security management systems — Code of practice for information security management**
- **ISO/IEC 27006:2007 Information technology — Security techniques — Requirements for bodies providing audit and certification of information security management systems**

- **ISO/IEC CD 27000 - Information technology -- Security techniques -- Information security management systems -- Overview and vocabulary**
- **ISO/IEC (??) 27003 - Information technology -- Security techniques – ISMS implementation guidance**
- **ISO/IEC CD 27004 - Information technology -- Security techniques -- Information security management measurements**
- **ISO/IEC FDIS 27005 - Information technology -- Security techniques -- Information security risk management**
- **ISO/IEC (??) 27007 - Information technology -- Security techniques -- Guidelines for ISMS auditing**

Norme su IT Security

- **ISO/IEC 13335-1:2004, Information technology — Security techniques — Management of information and communications technology security — Part 1: Concepts and models for information and communications technology security management**
- **ISO/IEC TR 13335-3:1998, Information technology — Guidelines for the management of IT Security — Part 3: Techniques for the management of IT security**
- **ISO/IEC TR 13335-4:2000, Information technology — Guidelines for the management of IT Security — Part 4: Selection of safeguards**
- **ISO/IEC TR 13335-5:2001 Information technology -- Guidelines for the management of IT Security -- Part 5: Management guidance on network security**

Norme su IT Security

- **ISO/IEC 18028-4:2005**
Information technology -- Security techniques -- IT network security -- Part 4: Securing remote access
- **ISO/IEC 18028-5:2006**
Information technology -- Security techniques -- IT network security -- Part 5: Securing communications across networks using virtual private networks
- **ISO/IEC 18028-1:2006**
Information technology -- Security techniques -- IT network security -- Part 1: Network security management

Norme su IT Security

- **ISO/IEC TR 18044:2004, Information technology — Security techniques — Information security incident management**
- **ISO/IEC 24762:2008 Information technology -- Security techniques -- Guidelines for information and communications technology disaster recovery services**
- **ISO 27799:2008 Health informatics – Information security management in health using ISO/IEC 27002**

IT Service management

- **ISO/IEC 20000-1:2005 – Information technology -- Service management -- Part 1: Specification**
- **ISO/IEC 20000-2:2005 – Information technology -- Service management -- Part 2: Code of practice**