

ISO/IEC JTC 1 N 9425

2008-11-24

ISO/IEC JTC 1 Information Technology

Document Type: Other Document(Defined)

Document Title: ISO Presentation to JTC 1 at Plenary in Nara, Japan

Document Source: JTC 1 Secretariat

Reference:

Document Status: For Information

Action ID: For Information

Due Date:

No. of Pages: 31

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International Organization for Standardization

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ISO IT services and cooperation with JTC1

Strategic Adviser to the Secretary-General

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JTC 1 Plenary, Nara, 11 November 2008



CONTENTS

- ISO IT services supporting standardization the role of ITSIG and ISO/CS
- Committee work and dissemination of ISO documents
 - eCommittees
 - ISO NMC server
- JTC1 Web site improvements
 - JTC1 eCommittee test server and JTC1 Home page
- Accessibility issues
- ITSIG XML Authoring

Information Technology in ISO

Has a key role in supporting the optimization of ISO's business processes

Standards development

- Enable wider and better participation
- Reduce time needed to publish ISO Standards
- Reduce costs for all concerned parties (Stakeholders, NSBs, ISO/CS)

Standards dissemination

- Faster delivery
- Expand user reach and market penetration
- Meet evolving customer expectations (choice of products, media and means of access)

Communications

- Provide comprehensive, up-to-date information on standardization and related matters
- Help to increase awareness of the role and benefits of standardization
- Help to promote ISO and its members



ISO IT Strategy Implementation

- Information Technology Strategy Implementation
 Group (ITSIG) reporting to the ISO Council
- ITSIG Mission:
 - Dissemination of information, creation of consensus
 - Definition of priorities and specifications
 - Implementation of specific projects
 - Coordination of the ISO members' IT implementations
- Balanced membership (NSB IT managers, reps. from TMB, CPSG, NSBs from Developing Countries and JTC1)
- Chairman: Elio Bianchi (UNI)
- Secretary: Daniele Gerundino (ISO/CS)

ISO eServices

- IT applications and related services supporting the ISO business processes
 - Standards development (TC/SC work; balloting)
 - Governance
 - Standards distribution (repository of ISO standards, services supporting NSBs access to all ISO deliverables)
 - Dissemination of Information
- Developed by ISO/CS following input, guidelines and specifications from ITSIG

A few figures (July 2008)

ISOTC server

Supports standards development: 464 active TC/SCs (22.567 users and 295.072 documents)

ISO Online

The ISO Web Site: 50.000 sessions, over 350.000 page views per day

ISODOC server

Supports ISO Governance: 1.697 users and 25.349 documents

ISOSTD server

ISO publication repository: 332 users and **151.367 documents** in various formats

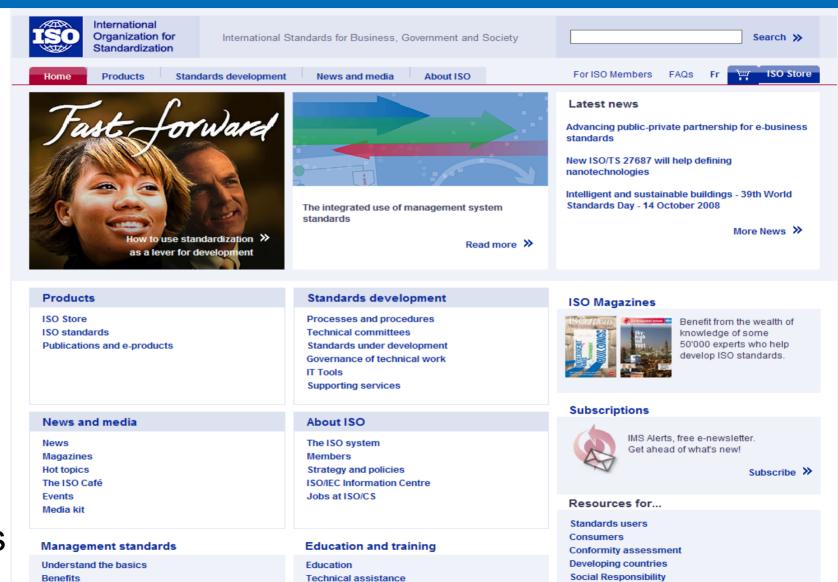
International Helpdesk

4.700 enquiries managed in 2007

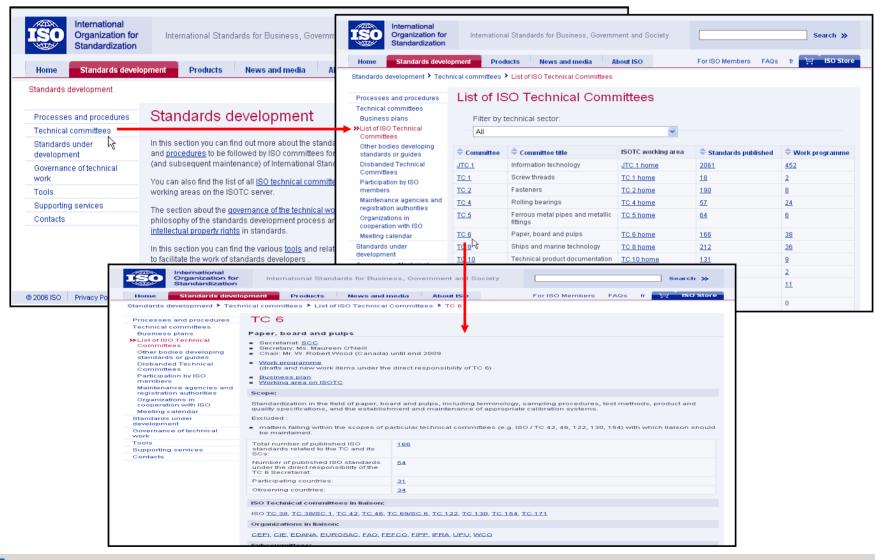
ISO Online

A unified, consistent view of the ISO

A simple path to access information and ISO's electronic applications

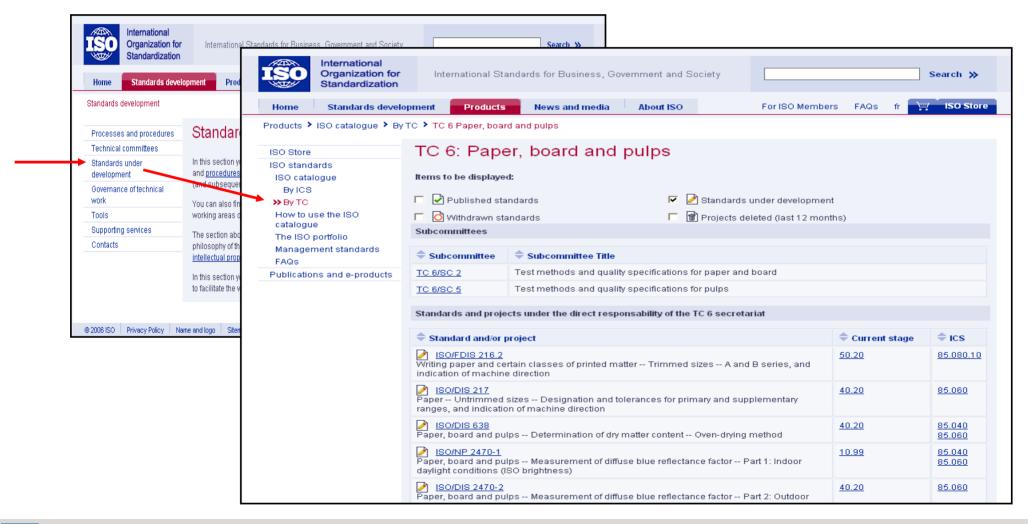


ISO Online: Technical Committees

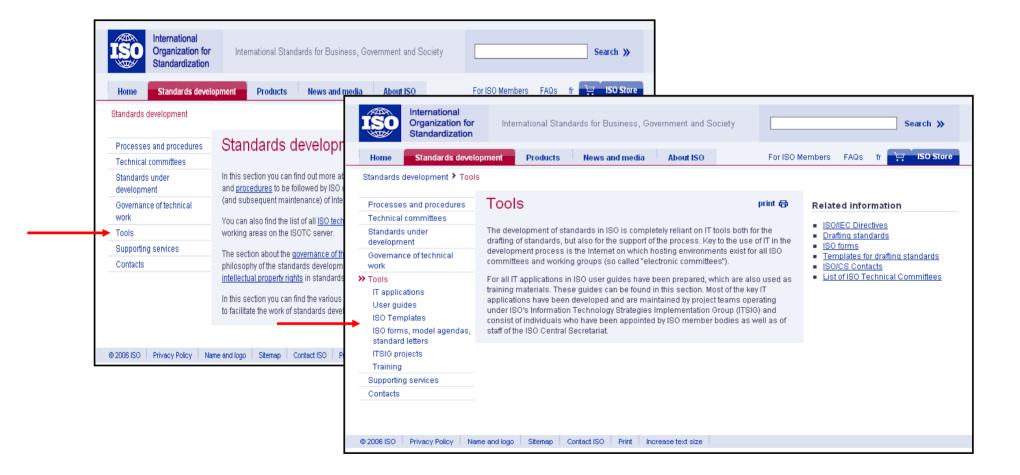




ISO Online: Work Programme (drafts and new work items)



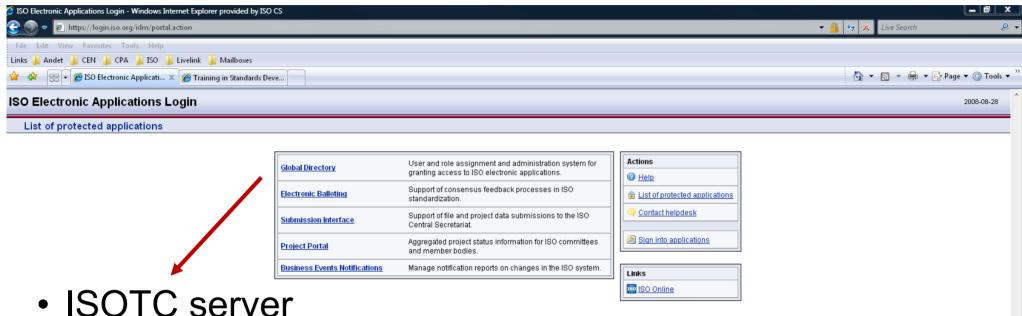
ISO Online: Standards development Tools



DG ITSIG JTC1 2008-11 11 11



Single Sign On – Available applications



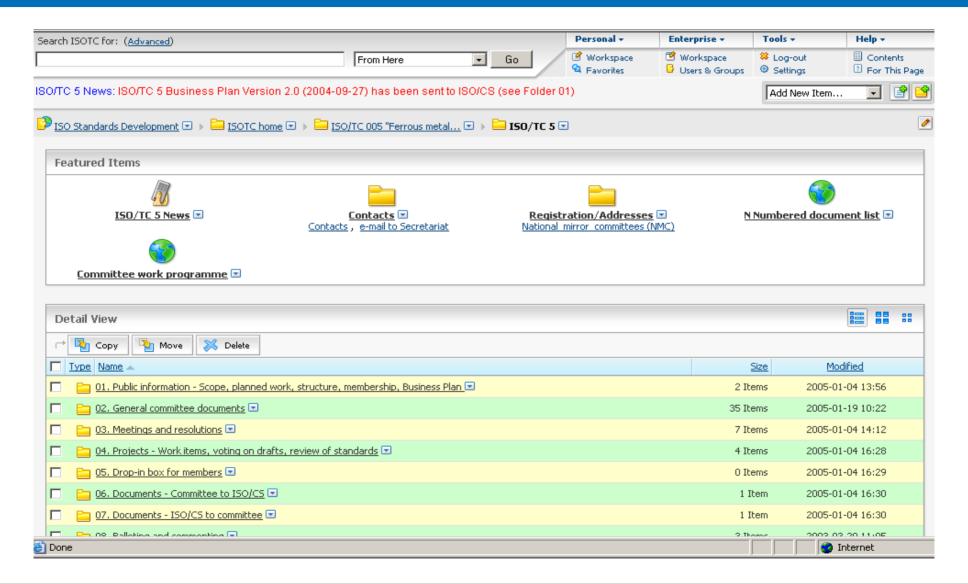
- Global Directory
- Electronic Balloting
- Submission Interface
- Project Portal
- Business Events Notifications



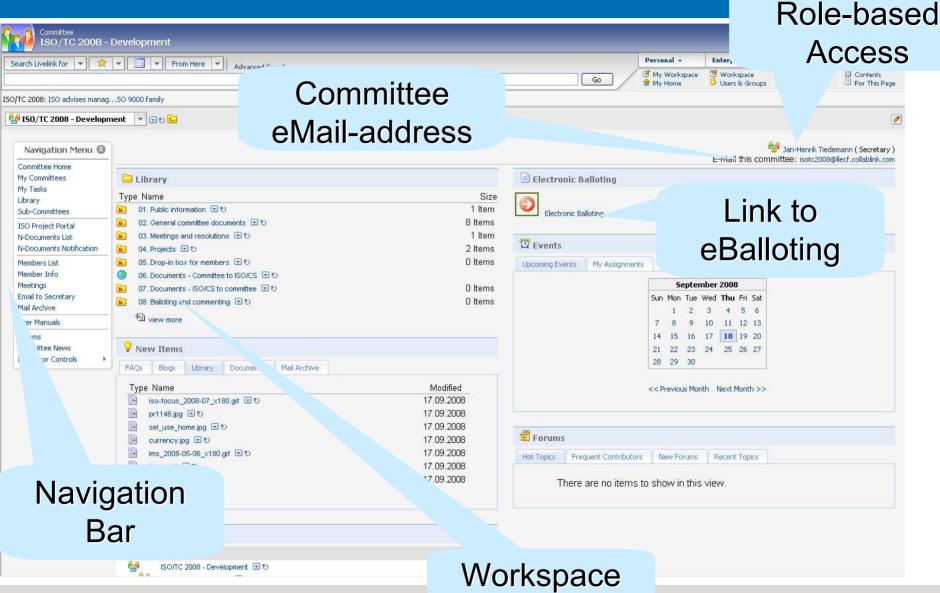
DG ITSIG JTC1 2008-11 11

12

ISO TC server – current Committee Sites



New eCommittee sites



eCommittee Main Features

- Comfortable navigation bar
- Numbered documents module
- Meeting management module
- Members list
- New committee items list
- Important events list
- SSO to Electronic balloting
- Forums for committee work



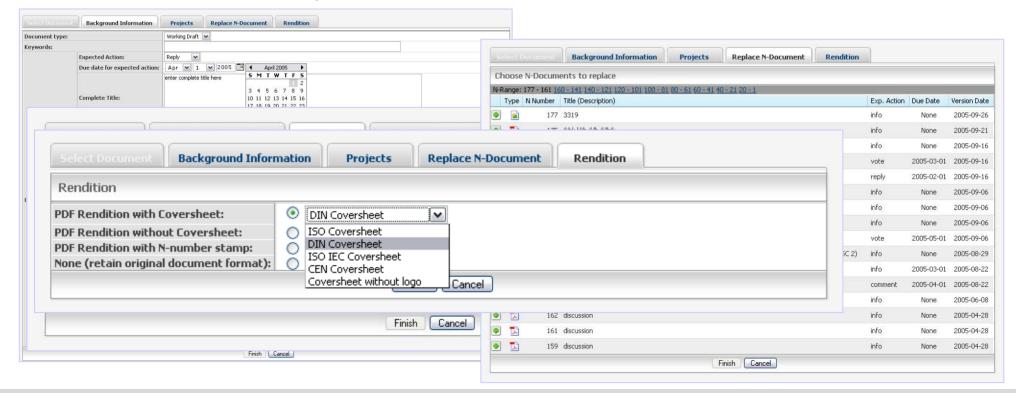






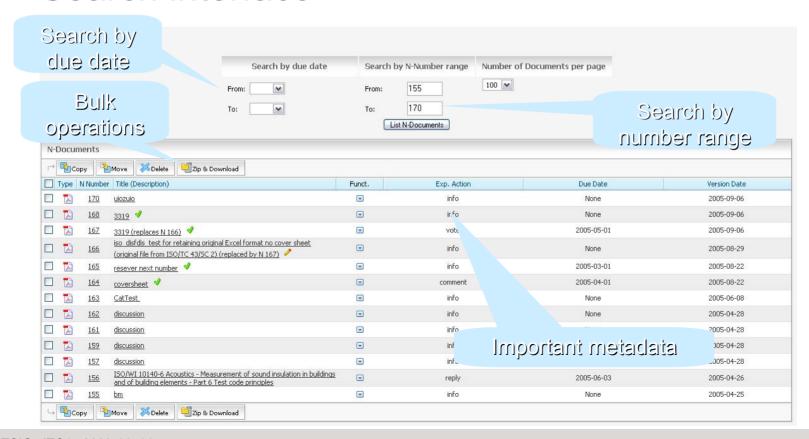
Numbered Documents Module

- Unique sequence of numbers for each committee
- Document upload wizard



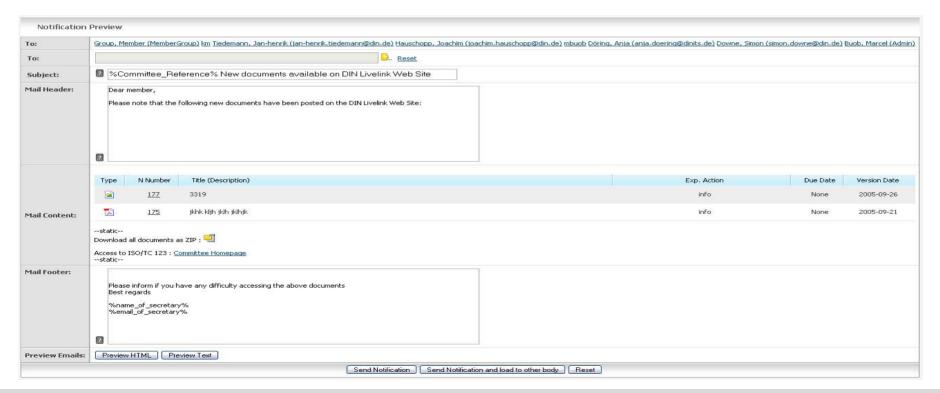
Numbered Documents Module

- Listing of all N-Documents in Committee
- Search interface

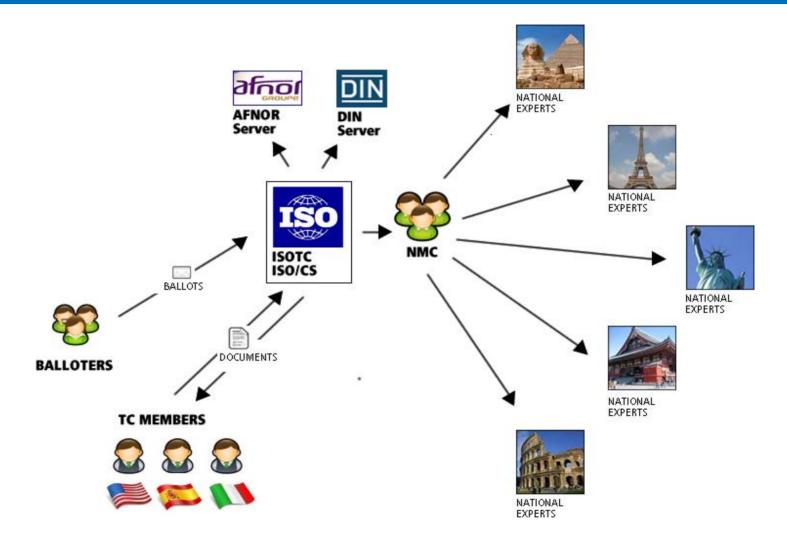


Numbered Documents Module

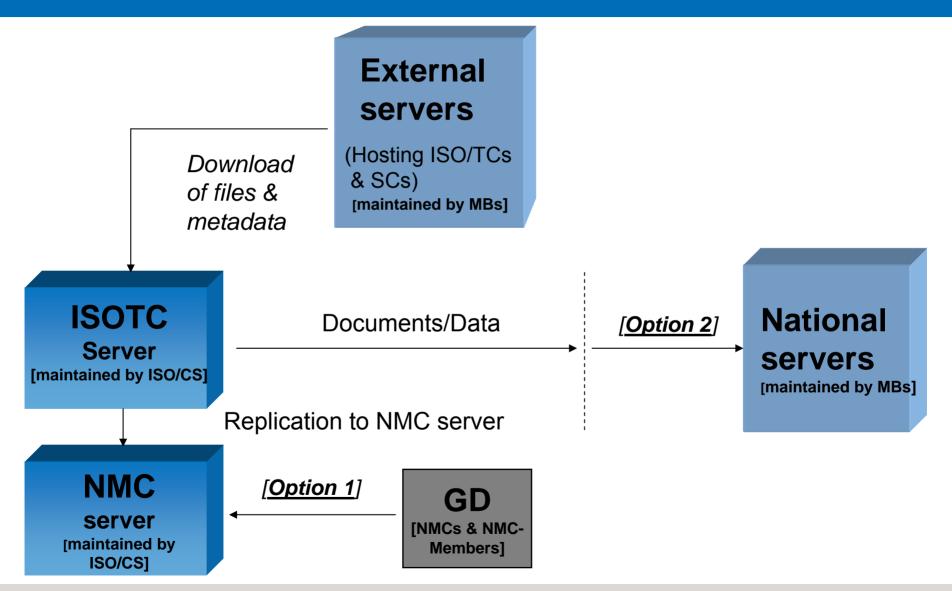
- N-Document Notifications
 - Defaults configurable for each tree of Committees (language specific)
 - Addtional recipients can be added; sent to all members by default



Dissemination of documents to National Mirror Committees (NMC)



NMCs – Two dissemination options

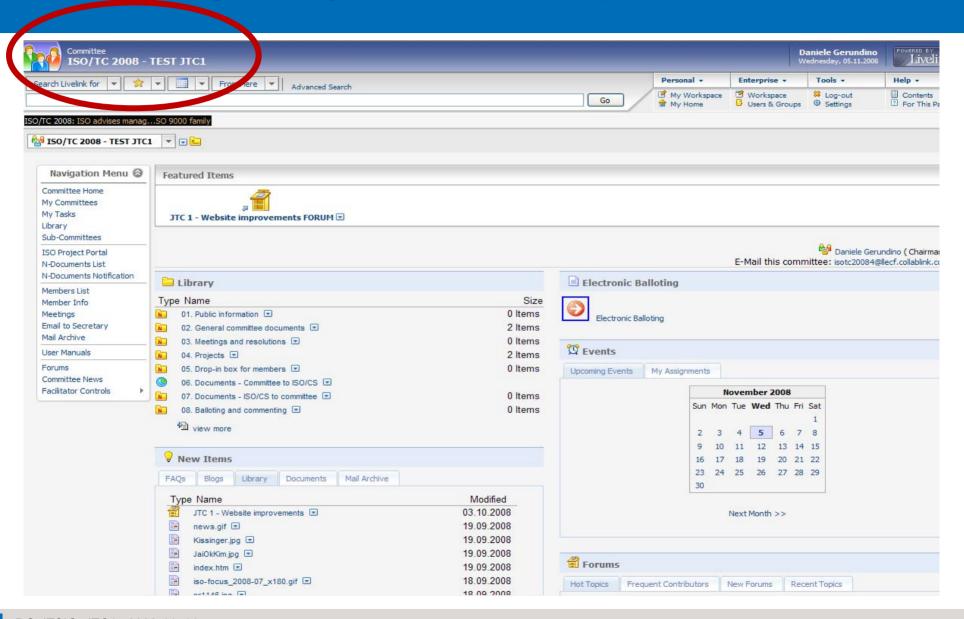




JTC 1 Web site improvement

- Collaboration between the JTC 1 Ad hoc on Web site improvements and ISO/CS
- Review of JTC 1 requirements and analysis of eCommittee functionalities
- Set up of a JTC1 eCommittee test server
- Template proposed for the JTC 1 public page
- Proposed cooperation for the development of informative content on international standardization in the IT field

JTC 1 eCommittee test server



JTC1 Public page template – draft proposal



JTC 1 Web site accessibility issues

- The current JTC 1 "Livelink web site" is going to be updated in 2009 (as early as possible)
- Accessibility issues have to be considered for the two systems providing complementary services to different types of users:
 - eCommitte working area for TC/SC/WG members (based on Livelink, LES and COP modules)
 - ISO Online, for the general public (as well as committee members)

ISO Online Accessibility

- Web site designed following W3C guidelines
- ISO Online is fully CSS based (W3C compliant). It supports most types of browsers, including notably text-only browsers and text readers
- Text size can be modified without significant loss of quality
- All graphics and pictures include alternative (ALT) descriptions
- Colours do not convey structural (essential) information
- Tables transform gracefully when viewed in text-only browsers
- Use of pictures to convey access information is very limited.
 There is one image map, but an alternative text-based option is provided
- All pages can be easily printed (a specific Style Sheet is used)

eCommittee Accessibility

- eCommittee is based on standard Livelink (LES) + customizations
- The analysis made by ISO/CS indicates, overall, a good level of accessibility (a similar, more detailed analysis, has been conducted by BSI – with a comparable outcome)
- Some areas require improvement primarily the use of tables, navigation and linking
- Aspects related to customizations can, for the most part, be easily fixed (already an ongoing process)
- Issues concerning core Livelink are more complex to address, but cooperation with Open Text on this is ongoing
- Important: if the systems administration policies allow that, users can further improve accessibility by modifying Livelink personal settings to:
 - use the Enhanced Keyboard Accessibility Mode, allowing users to work with Livelink by using keyboard commands and disabling all Javadependent features
 - replace the Navigation drop-down list with a trail of hyperlinks that represent the hierarchical path to the currently displayed item

DG_ITSIG_JTC1_ 2008-11_11

26

Publication of standards in accessible HTML and PDF formats

- JTC 1 Res. 37: the proposal is being forwarded to the CPSG for consideration
- Generation of accessible PDF from the agreed ITSIG Acrobat joboptions is under investigation by the ITSIG PDF use group (interaction with a JTC1 SWG-A rep. is recommended)

ISO/ITSIG: Next steps

- The basic electronic infrastructure supporting international standards development is almost completed – covering the core business processes of the Organization through a structured and controlled environment
- ISO and ITSIG are addressing new important developments aiming at providing more value to standards developers and users (XML Template, ISO Concept Database, ...)
- However, our first priority is to support the full deployment of the existing applications and to ensure the take-up by all players – in particular those from developing countries

ISO/CS-ITSIG-JTC1 Cooperation

- We look forward to strengthen the cooperation between JTC1 (and its ad hoc groups), ISO/CS and ITSIG by:
 - Ensuring timely exchange of information on requirements, analysis and ongoing projects
 - Active involvement of JTC 1 representatives in ITSIG projects
 - Good coordination among initiatives covering different but interrelated aspects
 - Initiate a new joint effort to develop informative content on standardization in the IT field
- It is essential to consider a global picture -- all the actors involved, with their different needs and perspectives

Thank for your attention!



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