

Home page CCSDS

Click "About" →

<http://public.ccsds.org/default.aspx>

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Headlines

- 2008 Fall CCSDS Meeting Information
- The CCSDS Link - Vol. 3, Issue 2 POSTED (6-24-2008)
- CCSDS Welcomes China National Space Administration as Newest Member Agency POSTED (6-23-2008)
- Enter Press Room

Events

- CCSDS Meetings
- Conferences

Number Assignments

- Spacecraft ID
- Control Authority

Related Organizations

- Interagency Operations Advisory Group (IOAG)

Quick Links

Existing users [Sign In here.](#)

CWE

Visitors: Enter the [CWE area](#) to view public documents in the CCSDS working teams. Request a CWE ID to fully engage in the Technical teams. Request login [here.](#)

MAILMAN

Visit the [CCSDS Mailman page](#) to Sign up for mail lists in technical areas Of your expertise. Then engage with Other experts and *contribute!*

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Click →
"Technical Organization"

<http://public.ccsds.org/about/default.aspx>

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About CCSDS

- Charter
- Management Structure
- Technical Organization
- Standard Development Process
- History
- FAQs
- Contact Us
- Contact Agencies

CCSDS Leadership

- Meet the Management Council
- Meet the Area Directors and Deputies

About CCSDS

The Consultative Committee for Space Data Systems (CCSDS) was formed in 1982 by the major space agencies of the world to provide a forum for discussion of common problems in the development and operation of space data systems. It is currently composed of ten member agencies, twenty-two observer agencies, and over 100 industrial associates.

Since its establishment, it has been actively developing Recommendations for data- and information-systems standards to a) reduce the cost to the various agencies of performing common data functions by eliminating unjustified project-unique design and development, and b) promote interoperability and cross support among cooperating space agencies to reduce operations costs by sharing facilities.

Hubble - The Whirlpool Galaxy; NASA/JPL (1999)

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The CCSDS Collaborative Work Environment (CWE)

CCSDS The CCSDS Collaborative Work Environment (CWE)
The Consultative Committee for Space Data Systems

Welcome to the CCSDS Collaborative Work Environment (CWE)

The interactive graph to the right represents the CCSDS Technical Organization. The CCSDS Engineering Group (CEG) is composed of 6 areas. Within these areas there are Working Groups (WG), Birds of a Feather (BOF), and Special Interest Groups (SIG) that collaborate.

To access more information please click on the CMC, CEG, Area, WG, or BOF name.

Click "CCSDS Management Council (CMC)"
<http://cwe.ccsds.org/default.aspx>

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CCSDS Technical Organization

CCSDS Management Council (CMC)
General Secretary: Mike Kearney

CCSDS Engineering Steering Group (CESG)
CESG Chair: Adrian Hooke

Systems Engineering Area (SEA)
AD: Peter W. Shames

Mission Operations and Information Management Services Area (MOIMS)
AD: Hector Proenca

Cross Support Services Area (CSS)
AD: Erik Barkley

Spacecraft Onboard Interface Services Area (SOIS)
AD: Chris Taylor

Space Link Services Area (SLS)
AD: Enrico Vassallo

Space Interworking Services Area (SIS)
AD: Robert Durst

SEA DOCUMENTS

- Systems Architecture Working Group (SEA-SA) Chair: Takahiro Yamada
- Information Architecture Working Group (SEA-IA) Chair: Daniel I. Critchton
- Security Working Group (SEA-SEC) Chair: Howard Weiss
- SEA SANA Working Group (SEA-SANA) Chair: Marc Blanchat
- XML Standards & Guidelines SIG (SEA-XSG) Chair: Louis I. Reich
- Delta-DOR Working Group (SEA-D-DOR) Chair: Roberto Maddà
- Registry / Repository SIG (SEA-REGREP) Chair: Peter Shames
- Time Code Formats Working Group

MOIMS DOCUMENTS

- Data Archive Ingestion Working Group (MOIMS-DAI) Chair: John Garret
- Navigation Working Group (MOIMS-NAV) Chair: David Berry
- Information Packaging & Registries Working Group (MOIMS-IPR) Chair: Louis I. Reich
- Spacecraft Monitor and Control Working Group (MOIMS-SMBC) Chair: Mario Meri
- The Digital Repository Audit and Certification Working Group (MOIMS-RAC) Chair: David Garella

CSS DOCUMENTS

- Service Management Working Group (CSS-SM) Chair: Erik Barkley
- Cross Support Transfer Service Working Group (CSS-CSTS) Chair: Yves Doal
- Cross Support Architecture Birds of a Feather (CSS-CSA) Chair: Erik Barkley

SOIS DOCUMENTS

- Subnetwork Services Working Group (SOIS-SUBNET) Chair: Chris Taylor
- Application Support Services Working Group (SOIS-APP) Chair: Stuart Fowell
- Wireless Working Group (SOIS-WIR) Chair: Patrick Blaudie
- Onboard Plug & Play Birds of a Feather (SOIS-OPP) Chair: Stuart Fowell

SLS DOCUMENTS

- RF Modulation Working Group (SLS-RFM) Chair: Enrico Vassallo
- Space Link Coding and Synchronization Working Group (SLS-CS) Chair: Gian Paolo Galbani
- Multispectral Hyperspectral Data Compression Working Group (SLS-MHDC) Chair: Aaron Kelly
- Space Link Protocols Working Group (SLS-SP) Chair: Greg Katz
- Ranging Working Group (SLS-RNG) Chair: Enrico Vassallo
- High Rate Uplink Working Group (SLS-HRU) Chair: Greg Katz
- Long Erasure Codes Birds of a Feather (SLS-LEC) Chair: Gian Paolo Galbani
- Space Data Link Layer Security Birds of a Feather (SLS-SEA-DLS)

SIS DOCUMENTS

- Packet Protocol Working Group (SIS-PP) Chair: Dai Stanu
- Asynchronous Message Service Working Group (SIS-AMS) Chair: Scott C. Burleigh
- IP Over-CCSDS Working Group (SIS-IPD) Chair: Greg Katz
- Motion Imagery and Applications Working Group (SIS-MIA) Chair: Rodney Grubbs
- Delay Tolerant Networking Working Group (SIS-DTN) Chair: Keith Scott
- Voice Working Group (SIS-VOICE) Chair: Michael Petersen

The CCSDS Collaborative Work Environment (CWE)

CCSDS CCSDS Management Council (CMC)
The Consultative Committee for Space Data Systems

CMC Collaborative Tools

- Documents
 - 2008 Summer CMC Meeting Se
 - CMC Meeting Minutes and Pres
 - CMC Secretariat's Package (pre
 - CNES
 - DocumentFiles
 - Fall 2008 CMC Meeting Package
 - ISO TC20-SC13**
 - 2007 Fall ISO TC20-SC13 Sec
 - Previous ISO TC20-SC13 Mee
 - Previous ISO TC20-SC13 Sec
 - Spring 2008 ISO TC20-SC13
 - TC20-SC14 17th Plenary Mee
- Action Items
- Announcements
- Calendar
- Links
- Members
- Discussions

Click "ISO TC20-SC13"
<http://cwe.ccsds.org/cmc/default.aspx>

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The CCSDS Collaborative Work Environment (CWE) > CCSDS Management Council (CMC)

OVERVIEW - CCSDS MANAGEMENT COUNCIL (CMC)

Welcome to the CCSDS Management Council (CMC) Collaborative Work Environment.

The CCSDS Management Council (CMC) is the executive management oversight group of the organization. The CMC is populated by Principal Delegates who are independently supported by each of the Members (one per agency). The CMC is responsible for staying technically and politically informed about important long-term issues in the field of international space mission cross support and for keeping an eye on the "big picture" of the CCSDS program of work. It therefore focuses on long-range planning and coordination among the various CCSDS discipline-oriented domains, on making sure that adequate resources exist to do work, and that customer requirements are satisfied in a timely manner.

PUBLICATIONS

All CCSDS Approved Publications can be accessed by clicking here.

POINTS OF CONTACT

General Secretary: Mike Kearney
NASA MSFC EO-D1
Huntsville, AL 35812
USA

Telephone : 256-544-2029
Fax : +1 256 544-1530
E-mail: Mike.Kearney@nasa.gov
Bio: Click Here

MAILING LIST

cmc@mailman.ccsds.org
Click here to view archives

CCSDS Management Council (CMC)
General Secretary: Mike Kearney

(Public ISO TC20-SC13 Directory of folders in the CCSDS Web site)

- [-] [ISO TC20-SC13](#)
- [-] [2007 Fall ISO TC20-SC13 Secretariat's Package](#)
 - [DELEGATE REPORTS](#)
- [-] [Previous ISO TC20-SC13 Meeting Minutes and Presentations](#)
 - [2002 Fall ISO TC20_SC13 Minutes and Presentations](#)
 - [2003 Fall ISO TC20_SC13 Minutes and Presentations](#)
 - [2003 Spring ISO TC20_SC13 Minutes and Presentations](#)
 - [-] [2004 Fall ISO TC20_SC13 Minutes and Presentations](#)
 - [2004 Fall ISO TC20_SC13 Minutes and Presentations](#)
 - [2004 Fall ISO TC20_SC13 Source Files](#)
 - [-] [2004 Spring ISO TC20_SC13 Minutes and Presentations](#)
 - [2004 Spring ISO TC20_SC13 Source Files](#)
 - [2004 Spring ISO_TC20_SC13 Minutes and Presentations](#)
 - [-] [2005 Fall TC20_SC13 Meeting Minutes and Presentations](#)
 - [Source Files](#)
 - [-] [2005 Spring ISO TC20_SC13 Minutes and Presentations](#)
 - [Source Files](#)
 - [2006 Fall ISO TC20-SC13 Meeting Minutes and Presentations](#)
 - [2006 Spring ISO TC20_SC13 Minutes and Presentations](#)
 - [2007 January ISO TC20-SC13 Meeting Minutes and Presentations](#)
 - [2007 October TC20-SC13 Minutes and Presentations](#)
 - [2008 June TC20-SC13 Minutes and Presentations](#)
 - [-] [Previous ISO TC20-SC13 Secretariat's Package](#)
 - [-] [2003 Fall ISO TC20_SC13 Secretariat's Package](#)
 - [2003 Fall ISO TC20_SC13 Minutes and Presentations](#)
 - [-] [2004 Fall ISO TC20_SC13 Secretariat's Package](#)
 - [-] [2005 Fall ISO TC20-SC13 Meeting Secretariat's Package](#)
 - [2005 Spring Meeting Minutes](#)
 - [-] [2005 Spring ISO TC20_SC13 Secretariat's Package](#)
 - [ISO TC20_SC13 Secretariat's Package Source Files](#)
 - [2006 Fall ISO TC20_SC13 Secretariat's Package](#)
 - [2007 January ISO TC20-SC13 Secretariat's Package](#)
 - [-] [Spring 2008 ISO TC20.SC13 Secretariat's Package](#)
 - [Head Of Delegation Reports](#)

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Home page Livelink ISO Standards Development

Enterprise Workspace: ISO Standards Development

Bergamini, Eduardo (e.w.bergamini@uol.com.br) Saturday, 2009-10-18

ISO Portal

Search ISOTC for: (Advanced)

From Here Go

Personal Enterprise Tools Help

Workspace Favorites Workspace Users & Groups Log-out Settings Contents For This Page

(1) ISO Standards Development

ORGANISATION INTERNATIONALE DE NORMALISATION

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

Featured Items

Click "ISOTC home" →

ISOTC home

ITTF home

Communication by the ISO Central Secretariat, Conversion tool - Word/PS to PDF, Guides to ISO IT applications, International Helpdesk, ISOTC server Guides, ISOTC training, ...

Enterprise Workspace: **ISOTC home** Bergamini, Eduardo (e.w.bergamini@uol.com.br) Saturday, 2008-10-18

Search ISOTC for: (Advanced) From Here Personal Workspace Favorites Enterprise Workspace Users & Groups Tools Log-out Settings Contents For This Page

ISO Standards Development > **ISOTC home**

Featured Items

Communication by the ISO Central Secretariat

ISOTC server Guides
ISOTC server Guide have been moved to this location

Tools for e-balloting
Electronic balloting Guides have been moved to this location

Conversion tool - Word/PS to PDF
How does the PDF Conversion Tool work?

ISOTC training

Guides to ISO IT applications

TC Business plans for public review

International Helpdesk
Guides to ISO IT applications, Problem/Question/Feedback? Please send an email to the International Helpdesk

TMB
ISO Project Portal, Project Portal (protected), TMB minutes (protected), TMB resolutions (protected)

Detail View

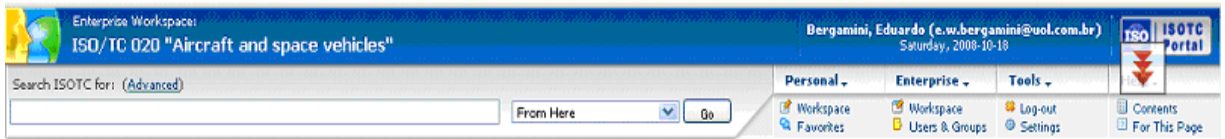
Copy Move Delete

Type	Name	Size	Modified
Folder	00_Electronic balloting - First phase	4 Items	2001-05-10 17:07
Folder	00_ISO standards and patents	20 Items	2007-04-18 16:59
Folder	00_ISOTC Portal pages	6 Items	2005-07-05 14:20
Folder	00_IT Strategies Implementation Group (ITSIG)	5 Items	2008-09-04 09:36
Folder	CIE	1 Item	2004-04-28 21:25
Folder	COPOLCO	7 Items	2006-11-17 10:09
Folder	IIW	2 Items	2004-06-03 09:21
Folder	ISO Technical Work Programme information	1 Item	2004-07-22 15:38
Folder	ISO/CASCO "Committee on conformity assessment"	6 Items	2007-02-05 17:12
Folder	ISO/CPSG "CPSG"	1 Item	2007-04-04 15:17
Folder	ISO/IEC JTC 001 "Information technology"	24 Items	2007-03-14 15:16
Folder	ISO/JSG "Joint Steering Group - Essential Climate Variables"	1 Item	2008-07-09 14:27
Folder	ISO/REMCO "Committee on Reference Materials"	7 Items	2007-02-27 08:51
Folder	ISO/TAG 001 "Health care technology"	8 Items	2004-06-02 20:53
Folder	ISO/TAG 004 "Metrology"	12 Items	2004-06-02 20:53
Folder	ISO/TAG 008 "Building"	8 Items	2007-01-08 17:57
Folder	ISO/TC 001 "Screw threads"	1 Item	2004-06-02 20:50
Folder	ISO/TC 002 "Fasteners"	4 Items	2006-06-09 14:27
Folder	ISO/TC 003 "Limits and fits"	0 Items	2007-01-29 13:14
Folder	ISO/TC 004 "Rolling bearings"	8 Items	2004-06-02 20:50
Folder	ISO/TC 005 "Ferrous metal pipes and metallic fittings"	7 Items	2005-08-24 11:08
Folder	ISO/TC 006 "Paper, board and pulps"	3 Items	2004-06-02 20:52
Folder	ISO/TC 008 "Ships and marine technology"	13 Items	2006-11-29 15:21
Folder	ISO/TC 010 "Technical product documentation"	14 Items	2008-06-18 16:29
Folder	ISO/TC 011 "Boilers and pressure vessels"	1 Item	2004-06-02 20:50
Folder	ISO/TC 012 "Quantities, units, symbols, conversion factors"	1 Item	2004-06-02 20:50
Folder	ISO/TC 014 "Shafts for machinery and accessories"	1 Item	2004-06-02 20:50
Folder	ISO/TC 017 "Steel"	14 Items	2005-07-20 14:14
Folder	ISO/TC 018 "Zinc and zinc alloys"	5 Items	2004-06-02 20:50
Folder	ISO/TC 019 "Preferred numbers"	1 Item	2008-08-28 15:05
Folder	ISO/TC 020 "Aircraft and space vehicles"	10 Items	2004-06-02 20:50
Folder	ISO/TC 021 "Equipment for fire protection and fire fighting"	7 Items	2005-07-20 14:15
Folder	ISO/TC 022 "Road vehicles"	24 Items	2005-11-07 09:16
Folder	ISO/TC 023 "Tractors and machinery for agriculture and forestry"	12 Items	2004-06-02 20:50
Folder	ISO/TC 024 "Particle characterization including sieving"	6 Items	2008-04-03 15:00
Folder	ISO/TC 025 "Cast irons and pig irons"	7 Items	2005-08-24 20:38
Folder	ISO/TC 026 "Copper and copper alloys"	1 Item	2004-06-02 20:50
Folder	ISO/TC 027 "Solid mineral fuels"	6 Items	2004-06-02 20:53
Folder	ISO/TC 028 "Petroleum products and lubricants"	6 Items	2008-02-15 14:30
Folder	ISO/TC 029 "Small tools"	6 Items	2004-06-02 20:50
Folder	ISO/TC 030 "Measurement of fluid flow in closed conduits"	7 Items	2004-08-26 10:59
Folder	ISO/TC 031 "Tyres, rims and valves"	9 Items	2004-06-02 20:50
Folder	ISO/TC 033 "Refractories"	1 Item	2004-06-02 20:50

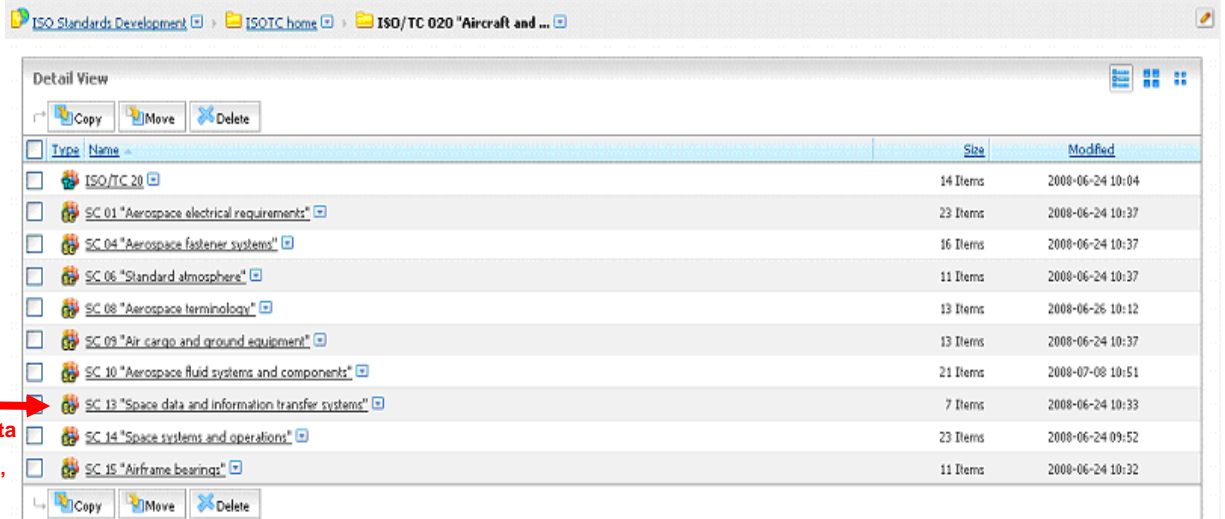
(2)

Click "ISO/TC 020 Aircraft and space vehicles"

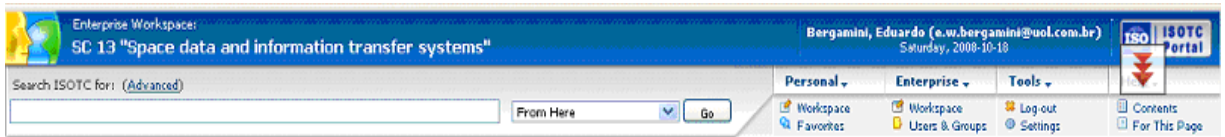




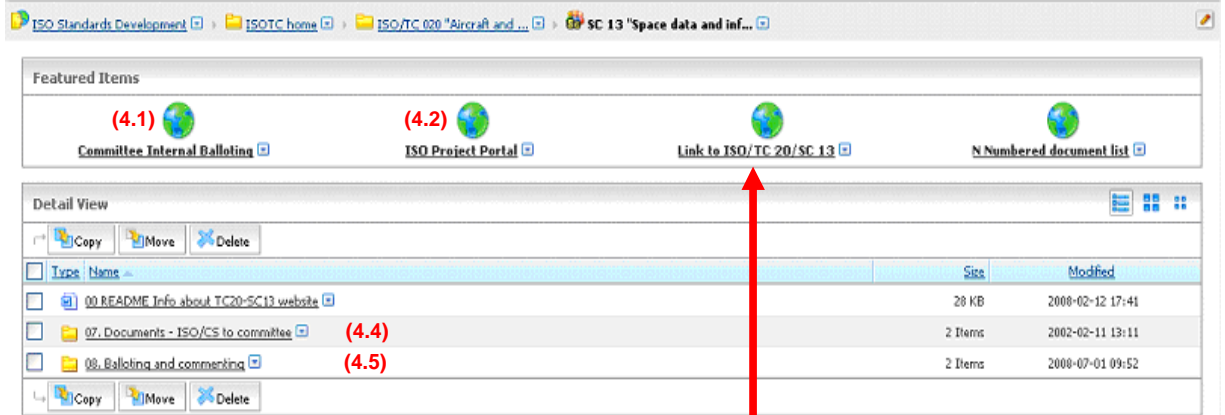
(3)



Click
"SC 13 "Space data and information transfer systems"



(4)



(4.3) Click
" Link to ISO/TC 20/SC 13"

4.1 & 4.2 - This page allows you, with a single login, to access several ISO electronic applications.

(4.3)

The screenshot shows the homepage of the Consultative Committee for Space Data Systems (CCSDS). The header features the CCSDS logo and the word "Advance." Below the header is a navigation menu with links: About, Publications, Review Documents, Meetings, Press Room, Participation, Implementations, and Search. The main content area is divided into several sections:

- Headlines:** A list of recent news items, including "2008 Fall CCSDS Meeting Information" and "CCSDS Welcomes China National Space Administration as Newest Member Agency".
- Events:** Links to "CCSDS Meetings" and "Conferences".
- Number Assignments:** Links to "Spacecraft ID" and "Control Authority".
- Related Organizations:** A link to the "Interagency Operations Advisory Group (IOAG)".
- Quick Links:** A section for existing users to "Sign In here." and a "CWE" logo. It also includes a "Mailman" logo and a link to the "CCSDS Mailman page".

The central text reads: "Welcome to CCSDS.org". Below this, it states: "Founded in 1982 by the major space agencies in the world, the CCSDS originated as a multi-national forum for the discussion of common space communications issues." It further explains that today, leading experts from 28 nations meet regularly to develop standards, and the goal is to enhance interoperability and reduce risk and costs. It mentions that more than 300 space missions have chosen to fly with CCSDS-developed standards.

At the bottom, there is a row of logos for member organizations: ASI, CSA ASC, CNES, BNSC, DLR, ESA, MPE, JAXA, and NASA. The footer contains "Contact Us", "Copyright 2008 © CCSDS/AIAA Inc. All rights reserved.", and "Security & Privacy Notice".

(4.4)

This screenshot shows a web-based interface for an Enterprise Workspace. The user is logged in as "Bergamini, Eduardo (e.w.bergamini@uol.com.br)" on Saturday, 2008-10-18. The page title is "07. Documents - ISO/CS to committee".

The interface includes a search bar for "ISO/CS" and a navigation breadcrumb: "ISO Standards Development > ISOTC home > ISO/TC 020 'Aircraft and ...' > SC 13 'Space data and inf...' > 07. Documents - ISO/CS to...".

The "Detail View" section shows a table of documents:

Type	Name	Size	Modified
Folder	DIS and FDIS ballots	21 Items	2003-02-25 10:29
Folder	Proofs	35 Items	2007-02-09 11:00

(4.5)

This screenshot shows the same Enterprise Workspace interface as above, but for a different section titled "08. Balloting and commenting".

The breadcrumb navigation is: "ISO Standards Development > ISOTC home > ISO/TC 020 'Aircraft and ...' > SC 13 'Space data and inf...' > 08. Balloting and comment...".

The "Detail View" section shows a table of documents:

Type	Name	Size	Modified
Folder	Ballots administered by the ISO Central Secretariat	1 Item	2008-07-01 06:16
Folder	Committee-internal balloting and commenting	0 Items	2003-03-20 14:17