# ISO/IEC JTC1/SC22/WG9 N 534

### Detailed Agenda

### Meeting #64 of ISO/IEC JTC1/SC22/WG9

**Friday 14 June 2013 in Berlin, Germany**

In accordance with Resolution 63-5, the next meeting, meeting #64 will be conducted in conjunction with the [18th International Conference on Reliable Software Technologies Ada-Europe 2013](http://www.ada-europe.org/conference2013), 09:00-12:30 Friday 14 June 2013 in Berlin, Germany.

The announcement and preliminary agenda for this meeting were circulated as [N533](#N533).

### AGENDA

[Opening Orders](#Opening)

[National Body Reports and Introductions](#_National_Body_Reports)

[Liaison Reports and Introductions](#LiasonReports)

* Ada Europe: Dirk Craeynest
* SIGAda: Rick Sward
* SC 23/OWGV: Erhard Ploedereder
* Fortran, INCITS/PL22.3: Van Snyder

[Convener's Report](#Convener)

[Project Editor Reports (as needed)](#PrjEd)

* IS 8652: Ed Schonberg and Randy Brukardt
* IS 15291: Bill Thomas and Greg Gicca
* TR 15942: Brian Wichmann
* IS 18009: Erhard Ploedereder
* TR 24718: Alan Burns

[Rapporteur Group Reports (as needed)](#RapRpt)

* Report of Ada Rapporteur Group: Jeff Cousins, Chair
* Report of Annex H Rapporteur Group: Alan Burns, Chair
* Report of POSIX Rapporteur Group: Stephen Michell, Chair

[Review of Open Action Items and Unimplemented Resolutions](#OpenAIs)

[Committee as a Whole](#CAAW)

* Update to Ada Annex and SPARK Annex to the WG 23 Technical Report on Vulnerabilities (Michell, Burns, Tokar)
* SPARK as an ISO Standard (Dewar)

[Unfinished Business](#UBiz)

[New Business](#NBiz)

[Scheduling of Future Meetings](#NextMeet)

[Administrative Actions](#Admin)

[Review of New Action Items](#NewActions)

[Review of New Resolutions](#NewResolutions)

[Final Consideration of Resolutions](#final)

[Recess](#recess)

### Opening Orders, Joyce Tokar, Meeting Convenor

* Call to Order
* Appointment of Meeting Secretary
* Approval of [Agenda](#Agenda)
* Welcome and Administrative Arrangements
* Approval of [N532](#N532): Meeting #63 Minutes – Resolution [64-1](#r1)

[AGENDA](#A1)

### National Body Reports

#### Attendees:

##### National Body Representatives:

|  |  |  |
| --- | --- | --- |
| Canada  | Brad Moore (HOD)  | Report |
| France | Jean-Pierre Rosen (HOD) | Report |
| Germany | *TBA* (HOD)  | Report |
| Italy | Tullio Vardanega (HOD) | Report |
| Portugal | Miguel Pinho | Report |
| Spain | Juan Antonio de la Puente (HOD) | Report |
| Switzerland | Patrick Gautschi (HOD)  | Report |
| UK | Jeff Cousins (HOD), John Barnes | Report |
| USA | *TBD* (HOD), Randy Brukardt | Report |

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### Liaison Reports

**Ada-Europe Liaison Report:**

**Ada-Europe Liaison Representative, Dirk Craeynest**

**SIGAda Liaison Report:**

**SIGAda Liaison Representative, Ricky E. Sward**

**WG 23 Liaison Report:
WG 23 Liaison Representative, Erhard Ploedereder**

**FORTRAN, INCITS/PL22.3 Liaison Report:**

**FORTRAN, INCITS/PL22.3 Liaison Representative, Van Snyder**

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### Convener's Report

### Activities since the Last Session

The US National Body has endorsed of Dr. Joyce Tokar as the US candidate for Convenor of JTC 1/SC 22.WG 9 - Ada, for consideration at the September 2013 JTC 1/SC 22 Plenary in Japan.

ISO has developed a simplified Word template (described [here](https://connect.iso.org/pages/viewpage.action?pageId=1214190)) which lets authors concentrate more on content and less on formatting.  ISO is interested in getting feedback on the use of the new template.

In a more general context, ISO is also interested in working with any Technical Committee/Working Group interested in trying out some other collaborative drafting tool such as wikis, Google Docs, Office 365 with Skydrive. Contact Jeff Poulin POULIN@iso.org.

**Welcome**

We are happy to have a new liaison with FORTRAN, INCITS PL/22.3, Van Snyder. Welcome.

#### Goals for this Meeting

The major objectives for this meeting are:

1. Ada Rapporteur Group Leadership
2. Ada Conformance Assessment
3. Update to the Appendices to the WG 23 Technical Report on Vulnerabilities – discussion during the Committee as a Whole session
4. Consideration of initiating a new work item to make SPARK an ISO standard – discussion during the Committee as a Whole session

[AGENDA](#A4)

### Project Editor Reports

### ISO/IEC 15291 (ASIS)

### ISO/IEC 18009 (Conformity Assessment of an Ada Language Processor)

### IS 8652 (Information Technology--Programming Languages—Ada)

### TR 15942 (Guidance for the Use of Ada in High Integrity Systems)

### TR 24718 (Guide for the Use of the Ravenscar Profile in High Integrity Systems)

[AGENDA](#A5)

### Rapporteur Reports

**Rapporteur Report ARG:**

ISO/IEC JTC 1/SC 22/WG 9 is pleased to appoint Jeff Cousins (UK) as the new Rapporteur of the Ada Rapporteur Group. Resolution [64-6](#r6).

##### ISO/IEC JTC 1/SC 22/WG 9 expresses great appreciation to Ed Schonberg (US) for his enduring leadership of the ARG. Resolution [64-7](#r7).

Continuation of the ARG: Resolution [64-2](#r2).

**Rapporteur Report HRG:**

Continuation of the HRG: Resolution [64-3](#r3).

**Report of POSIX Rapporteur Group:**

Continuation of the PRG: Resolution [64-4](#r4).

[AGENDA](#A5)

### Open Action Items and Unimplemented Resolutions

This is the "To Do" list for WG9. Some are informal action items assigned to various participants. Some are formal resolutions, which are not yet implemented. Some items are simply in suspense awaiting action by other groups.

#### Action Item 50-1

Investigate the possibility that ANSI might be willing to sell the revised ASIS standard ISO/IEC 15291:200x inexpensively, i.e. at a price similar to that of programming language standards -- $18.

*Status:* Open. *It has been surprisingly difficult to obtain the appropriate contact information.* Bill Thomas will look into this further and get back to us at the next meeting (#54).

ANSI does not set the prices. If they get a standard from ISO, then ISO sets the price and ANSI must conform to the prices set by ISO. ANSI could designate another organization to sell an ISO standard, but the ISO price must still be satisfied.

Is there an alternative to investigate here to distribute non-standard materials? Also look into the steps that John Benito has taken to distribute the C standard.

Bill Thomas will investigate further and report back at meeting #63.

**Action 62-2:**The editor of 18009 will review the entire document to find all occurrences of the implication of a physical presence for testing and certification. And report back to WG 9. (Erhard Ploedereder)

[AGENDA](#AA)

### Committee as a Whole

* Update to Ada Annex and SPARK Annex to the WG 23 Technical Report on Vulnerabilities (Michell, Burns, Tokar)
* SPARK as an ISO Standard (Dewar)

Unfinished Business

**New Business**

Scheduling of Future Meetings

The following meeting will be held in conjunction with [High Integrity Language Technology 2012 (HILT 2013)](http://www.sigada.org/conf/hilt2012), Friday morning 15 November 2013 in Pittsburgh, USA.

The next meeting of WG-9 will be held in conjunction with the [19th International Conference on Reliable Software Technologies Ada-Europe 2014](http://www.ada-europe.org/conference2013), Friday morning 27 June 2014 in Paris, France.

[Resolution 64-5](#r5)

[AGENDA](#AC)

**Administrative Actions**

#### Resolution 64-1:

The minutes of Meeting #63 contained in document [N532](#N532) are approved.

##### Resolution 64-2:

ISO/IEC JTC 1/SC 22/WG 9 continues its until the next plenary meeting and expresses its grateful appreciation to the Rapporteur and the members for their continuing service.

Jeff Cousins (UK) is appointed as Rapporteur.

The membership of the ARG is designated to be: Steve Baird (SIGAda), John Barnes (UK), Geert Bosch (US), Randy Brukardt (US), Alan Burns (UK), Jeff Cousins (UK), Robert Dewar (US), Gary Dismukes (US), Robert Duff (US), Pascal Leroy (France), Brad Moore (Canada), Erhard Ploedereder (Ada-Europe), Jean-Pierre Rosen (France), Ed Schonberg (US), Tucker Taft (US), and Tullio Vardanega (Italy).

The Convenor of WG 9 is authorized to act for WG 9 between meetings in appointing additional members of the ARG. In doing so, she shall consult with the Rapporteur and the National Body or Liaison Organization nominating the member.

Rapporteurs are permitted to allow other individuals to observe the deliberations of the Rapporteur Group. The admission of observers and the extent of participation permitted to observers are at the discretion of the Rapporteur with the concurrence of the membership of the Rapporteur Group.

##### Resolution 64-3:

ISO/IEC JTC 1/SC 22/WG 9 continues its Annex H Rapporteur Group until the next plenary meeting and expresses its grateful appreciation to the Rapporteur and the members for their continuing service.

Alan Burns (UK) is continued as Rapporteur.

The membership of the HRG is designated to be: Steve Baird (US), John Barnes (UK), Patrick de Bondeli (France), Alan Burns (UK), Rod Chapman (UK), Robert Dewar (US), Gary Dismukes (US), Bob Duff (US), Michael Gonzalez Harbour (Spain), Stephen Michell (Canada), Brad Moore (Canada), Miguel Pinho (Portugal), Erhard Ploedereder (Ada-Europe), Juan Antonio de la Puente (Ada Europe), George Romanski (SIGAda), Jean-Pierre Rosen (France), S. Tucker Taft (US), Tullio Vardanega (Italy), and Brian Wichmann (UK).

The Convenor of WG 9 is authorized to act for WG 9 between meetings in appointing additional members of the HRG. In doing so, she shall consult with the Rapporteur and the National Body or Liaison Organization nominating the member.

Rapporteurs are permitted to allow other individuals to observe the deliberations of the Rapporteur Group. The admission of observers and the extent of participation permitted to observers are at the discretion of the Rapporteur with the concurrence of the membership of the Rapporteur Group.

##### Resolution 64-4:

ISO/IEC JTC 1/SC 22/WG 9 continues its POSIX/Ada binding Rapporteur Group (PRG) until the next plenary meeting and expresses its grateful appreciation to the Rapporteur and the members for their continuing service.

Stephen Michell (Canada) is continued as Rapporteur.

The membership of the PRG is designated to be: Ted Baker (SIGAda), Matt Gingell (US), Michael Gonzalez Harbour (Spain), Stephen Michell (Canada), Brad Moore (Canada), Ronald Price (SIGAda), Luke Wong (Canada).

The Convenor of WG 9 is authorized to act for WG 9 between meetings in appointing additional members of the PRG. In doing so, she shall consult with the Rapporteur and the National Body or Liaison Organization nominating the member.

Rapporteurs are permitted to allow other individuals to observe the deliberations of the Rapporteur Group. The admission of observers and the extent of participation permitted to observers are at the discretion of the Rapporteur with the concurrence of the membership of the Rapporteur Group.

##### Resolution 64-5:

ISO/IEC JTC 1/SC 22/WG 9 schedules future meetings as follows:

Meeting #65, in conjunction with [High Integrity Language Technology 2013 (HILT 2013)](http://www.sigada.org/conf/hilt2013), 15 November 2013 in Pittsburgh, PA, USA.

Meeting #66 in conjunction with the [19th International Conference on Reliable Software Technologies Ada-Europe 2014](http://www.ada-europe.org/conference2014), Friday morning 29 June 2013 in Paris, France.

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#### Review of New Action Items

[AGENDA](#AD)

### Review of New Resolutions

**Resolution 64-6:**

ISO/IEC JTC 1/SC 22/WG 9 appoints Jeff Cousins (UK) as Rapporteur of Ada Rapporteur Group.

##### Resolution 64-7:

##### ISO/IEC JTC 1/SC 22/WG 9 expresses its grateful appreciation to Ed Schonberg (US) for his leadership of the ARG.

##### Resolution 64-x:

*TBD*

[AGENDA](#AD)

### Final Consideration of Resolutions

#### Appreciation

**Resolution 63-8:**

ISO/IEC JTC 1/SC 22/W 9 expresses its grateful appreciation to Ada Europe for their gracious accommodations in hosting Meeting #64.

**Resolution 63-9:**

ISO/IEC JTC 1/SC 22/W 9 expresses its grateful appreciation to Clyde Roby for his continuing service in maintaining the WG 9 Web Page.

##### Resolution 63-10:

ISO/IEC JTC 1/SC 22/W 9 expresses its grateful appreciation to <TBD> for acting as secretary for Meeting #64.

##### Resolution 63-11:

ISO/IEC JTC 1/SC 22/WG 9 expresses its grateful appreciation to Joyce Tokar for convening Meeting #64.

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Recess –

The meeting ended at <TBD>. The Convenor recessed the meeting subject to her call. HODs may anticipate email ballots to be conducted during the months between this meeting and the next one.

[AGENDA](#AG)

## REFERENCES

### Relevant WG9 Documents

[ISO/IEC 8652:1995](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=22983) Information Technology--Programming Languages—Ada

[ISO/IEC 8652:1995/COR.1:2001](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=35451), Technical Corrigendum to Information Technology--Programming Languages—Ada

[ISO/IEC 8652:1995/AMD.1:2007](http://www.iso.org/iso/iso_catalogue/catalogue_tc/catalogue_detail.htm?csnumber=45001), Amendment to Information Technology--Programming Languages--Ada

[N388](http://www.open-std.org/jtc1/sc22/wg9/n388.htm), Request for Subdivision of Project ISO/IEC 8652:1995

[N406](http://www.open-std.org/jtc1/sc22/wg9/n406.pdf), Procedures of the Ada Rapporteur Group

[N412](http://www.open-std.org/jtc1/sc22/wg9/n412.pdf), Instructions to the Ada Rapporteur Group from SC22/WG9 for Preparation of the Amendment to ISO/IEC 8652, 10 October 2002

[N414](http://www.open-std.org/jtc1/sc22/wg9/n414.pdf), Notification of Approval of Category C Liaisons between SC22/WG9 and Ada-Europe and SIGAda

[N416](http://www.open-std.org/jtc1/sc22/wg9/n416.htm), Charter of the Annex H Rapporteur Group (HRG)

[N417](http://www.open-std.org/jtc1/sc22/wg9/n417.htm), Charter of the ASIS Rapporteur Group (ASISRG)

[N423](http://www.open-std.org/jtc1/sc22/wg9/n423.pdf), Convener's Comments on Instructions to the Ada Rapporteur Group from SC22/WG9 for Preparation of the Amendment to ISO/IEC 8652, December 2002

[N437](http://www.open-std.org/jtc1/sc22/wg9/n437.pdf), ARG Rapporteur's Proposal for Defining Scope of Amendment to ISO/IEC 8652:1995, 9 April 2004

[N456](http://www.open-std.org/jtc1/sc22/wg9/N456.pdf), Convener Proposal for the Revision of the ASIS Standard, ISO/IEC 15291

[N457](http://www.open-std.org/jtc1/sc22/wg9/n457.pdf), Approved Plan for the Revision of the ASIS Standard, ISO/IEC 15291

[N459](http://www.open-std.org/jtc1/sc22/wg9/n459.txt), Disposition of Informal Comments Received on Editor's Draft of Amendment, 23 March 2006

[N460](http://www.open-std.org/jtc1/sc22/wg9/n460.pdf), Editor's Draft, Amendment 1 to ISO/IEC 8652, March 2006

[N462](http://www.open-std.org/jtc1/sc22/wg9/n462.pdf), JTC1 Directives, 5th edition, Version 2, April 2006 (JTC001-N-8122)

[N463](http://www.open-std.org/jtc1/sc22/wg9/n463.pdf), ISO/IEC Directives, Part 2, Rules for the structure and drafting of International Standards

[N464r](http://www.open-std.org/jtc1/sc22/wg9/n464r.pdf), 2nd Preliminary draft New Work Item Proposal for the Revision of ISO/IEC 15291, ASIS

[N465](http://www.open-std.org/jtc1/sc22/wg9/N465.pdf), Response of ISO/IEC JTC1/SC22/WG9 to SC22 Resolution 5-15

[N467](http://www.open-std.org/jtc1/sc22/wg9/n467.pdf), Submission of ISO/IEC 8652:1995/FPDAM 1 to SC22 for FPDAM ballot

[N468](http://www.open-std.org/jtc1/sc22/wg9/n468.pdf), Example approach for structuring the revised ASIS Standard

[N472](http://www.open-std.org/jtc1/sc22/wg9/n472.pdf), Proposal to Revise ISO/IEC 15291, Information technology - Programming languages - Ada Semantic Interface Specification (ASIS)

[N477](http://www.open-std.org/jtc1/sc22/wg9/n477.pdf), Canadian Contribution, Initial Work Scope Summary for updating Ada POSIX Bindings IS 14519:2001 to POSIX Draft IS 9945:2008 and Ada 2005.

[N479](http://www.open-std.org/jtc1/sc22/wg9/n479.pdf), SIGAda contribution, Clyde Roby, Notes of Birds-of-a-Feather session on POSIX-Ada Binding, conducted at SIGAda 2006, November 15, 2006, Albuquerque, NM, USA.

[N489](http://www.open-std.org/jtc1/sc22/wg9/n489.ppt), OWGV Summary 2008

[N490](http://www.open-std.org/jtc1/sc22/wg9/n490.htm), Minutes, Meeting #54 of ISO/IEC JTC1/SC22/WG9, Friday, 20 June 2008, Venice, Italy

[N491](http://www.open-std.org/jtc1/sc22/wg9/n491.htm), Convener's Report, 2008, ISO/IEC JTC 1/SC 22/WG 9 (Ada)

[N492](http://www.open-std.org/jtc1/sc22/wg9/n492.rtf), Announcement and Draft Agenda, Meeting #55 of ISO/IEC JTC 1/SC 22/WG 9, Thursday, 30 October 2008, Portland, Oregon, USA

[N493](http://www.open-std.org/jtc1/sc22/wg9/n493.htm), Detailed Draft Agenda, Meeting #55 of ISO/IEC JTC 1/SC 22/WG 9, Friday, 30 October 2008, Portland, Oregon, USA

[N494](http://www.open-std.org/jtc1/sc22/wg9/n494.htm), Draft Meeting Minutes, Meeting #55 of ISO/IEC JTC1/SC22/WG9, Thursday, 30 October 2008, Portland, Oregon, USA

[N495](http://www.open-std.org/jtc1/sc22/wg9/n495.htm), Draft Agenda, Meeting #56 of ISO/IEC JTC 1/SC 22/WG 9, Friday, 12 June 2009, Brest, France

[N496](http://www.open-std.org/jtc1/sc22/wg9/n496.doc), Detailed Agenda, Meeting #56 of ISO/IEC JTC 1/SC 22/WG 9, Friday, 12 June 2009, Brest, France

[N497](http://www.open-std.org/jtc1/sc22/wg9/n497.doc), Meeting Minutes, Meeting #56 of ISO/IEC JTC-1/SC-22/WG 9, Friday, 12 June 2009, Brest France

[N498](http://www.open-std.org/jtc1/sc22/wg9/n498.pdf), Instructions to the Ada Rapporteur Group from SC 22/WG 9 for Preparation of Amendment 2 to ISO/IEC 8652

[N499](http://www.open-std.org/jtc1/sc22/wg9/n499.doc), Announcement and Draft Agenda, Meeting #57 of ISO/IEC JTC1/SC22/WG9, Thursday, 5 November 2009, Tampa Bay, Florida

[N500](http://www.open-std.org/jtc1/sc22/wg9/n500.doc), Convener's Report, 2009, ISO/IEC JTC 1/SC 22/WG 9 (Ada)

[N501](http://www.open-std.org/jtc1/sc22/wg9/n501.doc), Detailed Agenda, Meeting #57 of ISO/IEC JTC1/SC22/WG9, Thursday, 5 November 2009, Tampa Bay, Florida

[N502](http://www.open-std.org/jtc1/sc22/wg9/n502.doc), Meeting Minutes, Meeting #57 of ISO/IEC JTC-1/SC-22/WG 9, Thursday 5 Nov 2009 in Tampa Bay, Florida.

[N503](http://www.open-std.org/jtc1/sc22/wg9/n503.doc), Announcement and Draft Agenda, Meeting #58 of ISO/IEC JTC1/SC22/WG9, Friday, 18 June 2010

[N504](http://www.open-std.org/jtc1/sc22/wg9/n504.doc), Detailed Agenda, Meeting #58 of of ISO/IEC JTC1/SC22/WG9, Friday, 18 June 2010

[N505](http://www.open-std.org/jtc1/sc22/wg9/n505.doc), ARG Rapporteur’s Proposal for Defining Scope of Amendment 2 to ISO/IEC 8652:1995, 4 June 2010

[N506](http://www.open-std.org/jtc1/sc22/wg9/n506.doc), Draft Letter to the Community

[N507](http://www.open-std.org/jtc1/sc22/wg9/n507.doc), Annex Ada to ISO/IEC JTC 1/SC 22/WG 23 N0238, Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use, Draft 1, 20 June 2010

[N508](http://www.open-std.org/jtc1/sc22/wg9/documents.htm), Draft Minutes, Meeting #58 of ISO-IEC JTC-1 SC-22-WG 9, Friday, 18 June 2010, Valencia, Spain

[N509](http://www.open-std.org/jtc1/sc22/wg9/documents.htm), Convener's Report, 2009, ISO/IEC JTC 1/SC 22/WG 9

N510, Request for Subdivision of Project ISO/IEC 8652:1995

[N511](http://www.open-std.org/jtc1/sc22/wg9/documents.htm), Announcement and Draft Agenda, Meeting #59 of ISO/IEC JTC 1/SC 22/WG 9, Thursday afternoon, 28 October 2010, Fairfax, VA, USA

[N512,](http://www.open-std.org/jtc1/sc22/wg9/n512.doc) Ada Annex for the WG23 Technical Report on Software Vulnerabilities, Draft 2.

[N513](http://www.open-std.org/jtc1/sc22/wg9/n513.doc), Draft Detailed Agenda, Meeting #59 of ISO-IEC JTC-1 SC-22-WG 9, Thursday, 28 October 2010, Fairfax, VA

[N514](http://www.open-std.org/jtc1/sc22/wg9/n514.doc), Draft Minutes, Meeting #59 of ISO-IEC JTC-1 SC-22-WG 9, Thursday, 28 October 2010, Fairfax, Virginia, USA

[N515](http://www.open-std.org/jtc1/sc22/wg9/n515.doc), Announcement and Draft Agenda, Meeting #60 of ISO/IEC JTC 1/SC 22/WG 9, Friday morning 24 June 2011, Edinburgh, UK.

[N516](http://www.open-std.org/jtc1/sc22/wg9/n516.doc), ISO/IEC JTC 1/SC 22/WG 23 N0296 – Ada Annex to WG23 TR on Software Vulnerabilities.

[N517](http://www.open-std.org/jtc1/sc22/wg9/n517.doc), ISO/IEC JTC 1/SC 22/WG 23 N0275 – SPARK Annex to WG23 TR on Software Vulnerabilities.

[N518](http://www.open-std.org/jtc1/sc22/wg9/n518.doc), Draft Detailed Agenda, Meeting #60 of ISO-IEC JTC-1 SC-22-WG 9, Friday, 24 June 2011, Edinburgh, UK.

[N519](http://www.open-std.org/jtc1/sc22/wg9/n519.doc), Draft Minutes, Meeting #60 of ISO-IEC JTC-1 SC-22-WG 9, Friday, 24 June 2011, Edinburgh, UK.

[N520](http://www.open-std.org/jtc1/sc22/wg9/n520.doc), Convenor's Report, 2010, ISO/IEC JTC 1/SC 22/WG 9 (Ada).

[N521](http://www.open-std.org/jtc1/sc22/wg9/n521.doc), Announcement and Draft Agenda, Meeting #61 of ISO/IEC JTC 1/SC 22/WG 9, Thursday afternoon, 10 November 2011, Denver, CO, USA.

[N522](http://www.open-std.org/jtc1/sc22/wg9/n522.doc), Draft Minutes, Meeting #61 of ISO-IEC JTC-1 SC-22-WG 9, Thursday, 10 November 2011, Denver, CO, USA.

[N523](http://www.open-std.org/jtc1/sc22/wg9/n523.xls), Responses to JTC 1/SC 22/WG 9/National Body Comments on Draft revision of the Ada Standard

[N524](http://www.open-std.org/jtc1/sc22/wg9/n524.doc), Detailed Agenda Meeting #62 of ISO/IEC JTC1/SC22/WG9 Friday 15 June 2012 in Stockholm, Sweden.

[N525](http://www.open-std.org/jtc1/sc22/wg9/n525.doc), Draft Minutes, Meeting #62 of ISO-IED JTC-1 SC-22 WG-9. Friday 15 June 2012, Stockholm, Sweden.

[N526](http://www.open-std.org/jtc1/sc22/wg9/ISO_IEC_JTC1_SC22_WG9_N526-8652-DIS.pdf), ISO/IEC JTC 1/SC 22 N Date: 2012-03-30 ISO/IEC CD 8652.

[N527](http://www.open-std.org/jtc1/sc22/wg9/ISO_IEC_JTC1_SC22_WG9_N527-8652-DIS.pdf), ISO/IEC JTC 1/SC 22 N Date: 2012-05-18 ISO/IEC WD 8652.

[N528](http://www.open-std.org/jtc1/sc22/wg9/ISO_IEC_JTC1_SC22_WG9_N528-8652-DIS.pdf), ISO/IEC JTC 1/SC 22 N Date: 2012-06-06 ISO/IEC DIS 8652.

[N529](http://www.open-std.org/jtc1/sc22/wg9/n529.doc), Convenor's Report, 2011, ISO/IEC JTC 1/SC 22/WG 9 (Ada).

[N530](http://www.open-std.org/jtc1/sc22/wg9/n530.doc), Meeting #63 Announcement and Draft Agenda.

[N531](http://www.open-std.org/jtc1/sc22/wg9/n531.doc), Detailed Agenda, Meeting #63 of ISO/IEC JTC 1/SC 22/WG 9, Friday 7 Dec 2012, Boston, USA

[N532](http://www.open-std.org/jtc1/sc22/wg9/n532.doc), Meeting Minutes Meeting #63 of ISO/IEC JTC 1/SC 22/WG 9 Friday 7 December 2012 in Boston, USA

[N533](http://www.open-std.org/jtc1/sc22/wg9/n533.doc), Meeting #64 Announcement and Draft Agenda, Friday 14 June 2013, Berlin, Germay.