

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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**Agenda, Timetable and Minutes for  
ISO/IEC JTC 1/SC 6/WG 9 and ITU-T Q10/SG17  
collaborative meeting on ASN.1 in Montreux  
3<sup>rd</sup> to 7<sup>th</sup> November, 2008**

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## 1 Documents

The following documents are considered relevant, and are included in the ZIP for the meeting:

[M1 - Agenda and minutes of Montreux Nov 2008 meeting.doc](#)

[M17 - NP text for resolver protocol etc 6N13665.pdf](#) (clause 4)

[M5 - OID Resolution Ballot results \(6N13758.pdf\).pdf](#) (clause 4)

[M35 - Summary of Comments on 6N13665.doc](#) (clause 4)

[M6 - China comments on OID resolution.doc](#) (clause 4)

[M7 - Korean contribution on OID resolver architecture \(6N13756\).doc](#) (clauses 4 and 6)

[M9 - Verisign contribution on namespace.doc](#) (clauses 4 and 6)

[M10 Verisign contribution on TPI update 1.0.doc](#) (clauses 4 and 6)

[M30 - 12D366 Outline for an OID Resolver.doc](#) (clauses 4 and 6)

[M31 - 12D365 Proposed OID resolver requirements.doc](#) (clauses 4 and 6)

[M2 - Ballot results on Security framework for ubiquitous sensor networks 6N13751.pdf](#) (clause 5)

[M3 - Summary of voting on reference architecture for sensor networks \(6N13757\).pdf](#) (clause 5)

[M32 - SGSN report to JTC 1 SGSN-N051.pdf](#) (clause 5 and 7)

[M18 - Draft Resolution on Joint Work for USN security framework.doc](#) (clauses 5 and 9)

[M19 - Allocation of Joint Arc for USN.doc](#) (clauses 5 and 9)

[M4 - Extended Validation Certificates \(We do not have this document yet for WG9\).doc](#) (clause 6)

[M34 - Trusted Provider Identity 1.2 presentation.ppt](#) (clause 6)

[M8 - WTSA results - SG17.doc](#) (Clause 2.1.7 and 7)

[M11 - Agenda for HoDC meeting \(6N13753\).pdf](#) (clause 7)

[M12 - SC 6 Business Plan \(6N13752\).pdf](#) (clause 2.1.8 and 7)

[M13 - Draft SC 6 PoW 6N13748.pdf](#) (clause 7)

[M14 - Herb Bertine's Liaison Report to SC 6 6N13747.pdf](#) (clause 7)

[M29 - 12D368 Unicode labels allocated in ASN.1 specifications.doc](#) (clause 8)

[M33 - 12D235 - TD-3124 - Joint ISO ITU-T Allocations from ANSI - old.doc](#) (clause 8)

[M15 - OID Resolutions from SG17 6N13735 and TD3570r1.pdf](#) (clause 9)

[M20 - Allocation of Joint Arc for telebiometrics.doc](#) (clause 9 and 12)

[M24 - 12D147r3 - JPL - defect reports on X660 series - old query.doc](#) (clause 10)

[M27 - 12D020r21 - JPL - defect reports on Edition 2002 - old query.doc](#) (clause 10)

[M22 - 12D338r4 Proposals for PER encoding instructions as at 21 Dec.doc](#) (clause 11)

[M21 - 12D348r2 IRI issues list.doc](#) (clause 13)

[M23 - 12D310 - Definition of IRI scheme.doc](#) (clause 13)

[M36 - draft-nkong-esds-ONS-00.TXT](#) (clause 13 bis)

[M37 - T05-WTSA08-C-0024!!MSW-E.doc](#) (clause 13 ter)

[M25 - 12D096r7 - Team - working practices.doc](#) (clause 15)

[M26 - 12D097 - Team - status of work - old query.doc](#) (clause 15)

[M28 - Old - urgent to update - DOCUMENT\\_REGISTER.doc](#) (clause 15)

[M16 - 6N13737 12D369r1 Agenda and minutes of Geneva September 2008 meeting.doc](#) (clause 12 and as needed)

## **2 Timetable**

### **2.1 Monday am**

Agree agenda and normal pre-admin (review of old HWs, etc)

#### **2.1.1** Note the current status of projects and work needed at this meeting (check with 12D97):

- We have the OID Resolver NP that has closed before Montreux. We need the BRM to resolve the NP comments (particularly from China) and progression of the work based on 12Ds and Verisign and ETRI contributions (and any other contributions). Discuss

Standards and Recommendations proposed, and time-scales. Note the importance of discussions in the joint meeting with directories.

- We have a Last Call on all the X.680 and X.690 texts closing **after** Montreux. It is expected that TSB will provide text to ITTF for FDIS ballots early in 2009. Check for any known problems.
- We have an FDIS on X.668 closing 13 Dec 2008. Probably no action needed in Montreux.
- We have an FDIS ready to start on the whole X.660 series (except X.668) once TSB have given ITTF the text (TSB got the merged text for all the X.660 series on Sept 29, but have had final text for X.660 since late August.) Text for FDIS for all of these should be sent to ITTF late 2008.

**2.1.2** Distribute initial ZIP on a stick as necessary **DONE**

**2.1.3** Identify availability of members **DONE**

**2.1.4** Agree Agenda **DONE**

**2.1.5** Review Document Register and check all documents carried forward are on the Agenda **DONE**

**2.1.6** Review all outstanding Homework assignments from last meeting and determine actions (add to Agenda or carry forward as necessary) **DONE**.

**2.1.7** Brief review of M8 to identify any actions needed. **DONE**

**2.1.8** Brief review of M12 – Reply to Dae Young Kim and Jooran dykim@cnu.kr, noting:

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- [1.1] Do we need to keep the wording "including private integrated services networking"? Isn't PISN already a dormant project?

- [2.1] Do you like the wording in the Market Initiatives? Let's try to remove any old items and highlight more current ones of your WGs.

- [2.2] The list of Achievements are way too old. Could you suggest more recent items of your WG developments?

- [3.1] This should be the list of your WG deliverables for the period Nov. 2008 - June 2009. Could you please give me a list of eligible ones?

- [3.2] What are the strategies of your WG for the next 9 month period?

- [3.3] What are the opportunities of your WG for the next 9 month period?

As for the general SC6 perspectives, I'll also add some to each of the above items.

I hope to receive your comments by Oct. 31 this month. I'll try to update the document over the weekend just before our meeting.

Your opinion/input is critical, I think, to keep this document of any current value. I do seek your help and cooperation.

-----

**2.2 Monday pm DONE**

BRM on OID Resolver.

**2.3 Tuesday am DONE**

Joint meeting with WG 7 on Ubiquitous Sensor Networks – to coffee break.

Joint meeting with Directories after coffee break, and general discussion on the use of X.500 or LDAP protocols (as opposed to a DNS base) for the OID Resolution system protocol.

## **2.4 Tuesday pm DONE.**

OID Resolution system contributions and 12Ds - Develop outputs and assign work

## **2.5 Wednesday am Some items carried forward.**

Review other agenda items, including PER EIs, SG17 Web pages, IRI draft and top-level Unicode labels. Develop outputs and assign work.

## **2.6 Wednesday pm DONE**

HODC meeting - others are free for informal discussions or whatever

Wednesday evening - Social Event

## **2.7 Thursday am SOME ITEMS NOT DONE**

Agree next meetings are with SG17 (full period) in Feb 2009 and SC6 (full period) in June 2009 Tokyo. Agreed.

Consider JSL HW on internet draft, and complete the related agenda item. DONE

Finalize Resolutions and outputs, including all OID arc allocations that are needed. DONE

Consider agenda item 13 ter on SG17 structure. NOT DONE

## **2.8 Thursday pm PARTLY DONE.**

Progress left-over work (including Defects!) if possible

Review agenda and future work and HWs.

## **2.9 Friday am DONE**

SC 6 Plenary

## **2.10 Friday pm PARTLY DONE**

Further work on OID Resolution system (PET will be absent; JL will take minutes and chair). This depends on the availability of a critical mass, particularly Tony R, JPL, Jun Soeb and Olivier.

Admin tidies, such as review of 12D97, output documents, review of M8, etc: May defer to a NetMeeting.

# **3 Attendees and IPR (Monday AM)**

## **3.1 Attendees**

John Larmouth (Rapporteur, BSI, UK), [j.larmouth@salford.ac.uk](mailto:j.larmouth@salford.ac.uk)

Paul Thorpe (ASN.1 Editor, OSS Nokalva, USA), [thorpe@oss.com](mailto:thorpe@oss.com) (Leaving 3pm Friday)

Jean-Paul Lemaire (AFNOR), [lemaire@univ-paris-diderot.fr](mailto:lemaire@univ-paris-diderot.fr) (Leaving 5pm Friday)

Jun-Seob Lee (ETRI), [juns@etri.re.kr](mailto:juns@etri.re.kr)

Mike Purton (UK), [mjpurton@dsl.pipex.com](mailto:mjpurton@dsl.pipex.com)

Olivier Dubuisson (AFNOR, France Telecom), [olivier.dubuisson@orange-ftgroup.com](mailto:olivier.dubuisson@orange-ftgroup.com)  
(Leaving Noon Friday)

Herb Bertine (ITU-T Liaison), [hbertine@optonline.net](mailto:hbertine@optonline.net)

Jong-Pyo Kim (NIDA, Korea), [kimjp@nida.or.kr](mailto:kimjp@nida.or.kr)

Tony Rutkowski (Verisign and Verisign Switzerland), [trutkowski@verisign.com](mailto:trutkowski@verisign.com)

Byoung-Ho Ahn (KATS), [bhahn@ok.ac.kr](mailto:bhahn@ok.ac.kr)

Dongmei Xu (CESI, China) [lxudm@126.com](mailto:lxudm@126.com)

Sangkeun Yoo (ETRI, Korea), [lobbi@etri.re.kr](mailto:lobbi@etri.re.kr)

Juha Vartiainen (SFS, Finland), [juha.vartiainen@sfs.fi](mailto:juha.vartiainen@sfs.fi)

### 3.2 IPR DONE

The Rapporteur asked all attendees whether they were aware of any IPR on new material that any contributor wished to retain. All attendees said they were not aware of any such requirement. HW was given to the Rapporteur to inform the SG17 Counsellor of this minute.

## 4 OID Resolution system work (Monday PM and Tuesday AM2 and PM) DONE

### 4.1 Ballot Resolution Meeting

Documents M5, M6, M17, M35

**4.1.1** The ballot results (with participants) were as follows (listing only those that voted YES with participation):

- China (Ms. Xu Dongmei [xudm@cesi.ac.cn](mailto:xudm@cesi.ac.cn), Professor. Fan Chunxiao [fcx100@gmail.com](mailto:fcx100@gmail.com)). These were proposed as Editors.
- Czech Republic (Mr Jiri Zenisek, e-mail: [zenisek@ttc.cz](mailto:zenisek@ttc.cz))
- France (Jean Paul Lemaire [jean-paul.lemaire@univ-parisdiderot.fr](mailto:jean-paul.lemaire@univ-parisdiderot.fr), Olivier Dubuisson [olivier.dubuisson@orange-ftgroup.com](mailto:olivier.dubuisson@orange-ftgroup.com))
- Japan (Mitsukazu Uchiyama [mitsukazu.uchiyama@toshiba.co.jp](mailto:mitsukazu.uchiyama@toshiba.co.jp))
- Korea (Prof. Byoung-Ho Ahn [bhahn@ok.ac.kr](mailto:bhahn@ok.ac.kr), Jun Seob Lee [juns@etri.re.kr](mailto:juns@etri.re.kr) – see 6N13758 for other contact details). The latter is proposed as Editor.
- United Kingdom (John Larmouth [j.larmouth@btinternet.com](mailto:j.larmouth@btinternet.com), Ian Townend [ian.townend@nhs.net](mailto:ian.townend@nhs.net)).
- USA (Paul Thorpe [thorpe@oss.com](mailto:thorpe@oss.com)). Also proposed as Editor.

**4.1.2** At the BRM, Korea also offered Prof. Byoung-Ho Ahn as Editor.

**4.1.3** It was agreed that Jun Seob will be appointed by SC6 as the Editor for this work, assisted by an Editorial team consisting of:

- Ms. Xu Dongmei [xudm@cesi.ac.cn](mailto:xudm@cesi.ac.cn)
- Prof. Byoung-Ho Ahn [bhahn@ok.ac.kr](mailto:bhahn@ok.ac.kr)

The ASN.1 Question will note in its February meeting report the ISO editorial team, and will appoint Jun Seob as the ITU-T Editor. It was further agreed that when Consent is obtained, the Editor will be changed to Paul Thorpe for finalizing the text with TSB. This will need a resolution.

**4.1.4** There will be an SC6 Resolution requesting the Editor (assisted by the editorial team) to produce a first working draft for the Recommendation | International Standard by 20 December. This working draft will contain the necessary boiler plates, and will incorporate in appropriate clauses the material listed in 4.2, as modified by the discussions at this meeting. The disposition of comments will identify comments which should be included in the working draft, either as outline text, or in an issues

list. National Bodies will be asked to comment on this working draft and to make contributions in time for discussion at the joint meeting in February 2009.

**4.1.5** All participants at the meeting took part in the BRM and unanimously agreed with all of the dispositions.

## **4.2 Contributions and existing 12Ds**

Documents M7, M9, M10, M30, M31

**4.2.1** In discussion on M7, there was general agreement that the general OID resolution process that is fully standardized by this Recommendation would return only an access mechanism and pointer (such as a URL) for an application specific resolution to obtain the information associated with a node.

**4.2.2** There was further discussion on the internal communications for the OID resolution process between servers. It was generally accepted that a resolution inquiry can be made to a server anywhere in the tree which will either return error messages, return references to an upstream or downstream server, or interrogate on behalf of the client the appropriate upstream or downstream server. This would apply recursively.

**4.2.3** It requires investigation whether the use of the DNS approach and or the X.500 approach supports the architecture described in 4.2.2.

**4.2.4** M9 was discussed and considered interesting information. There was discussion on what should be its final resting place. It was felt that it should be progressed further as a 12D (12D373) and carried forward to future meetings. At some stage, it would be accessible via a link from the FAQ in [www.oid-info.com](http://www.oid-info.com). When we are next revising X.660, we should consider producing an informative annex that would describe the known categories of use of object identifiers, possibly with a link to the web document.

**4.2.5** It was agreed that M30 and M31 would be captured in an appropriate manner in the working draft being prepared by the Editorial team for the OID resolution system (see 4.1.4).

## **4.3 Interaction with CA/Browser Forum**

**4.3.1** Response from CA/Browser Forum (Certification Authority Browser Forum) to liaison. <http://www.cabforum.org/forum.html>

Determine a reply to the e-mail from Tim Moses [tim.moses@entrust.com](mailto:tim.moses@entrust.com) (see JL's e-mails) who wrote:

---

Hi George. The CABForum discussed your liaison statement during its meeting today. And the members expressed interest in obtaining a deeper understanding of ITU projects pertaining to the Forum's work. To that end, we would gladly review and comment on any available materials.

Can you please explain what is involved in 'establishing a closer liaison relationship'. CABForum is a not-for-profit unincorporated association, which limits the forms of agreement into which we can enter.

Looking forward to hearing from you. All the best. Tim.

Tim Moses

+1 613 270 3183

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In the joint meeting with WG8, it was noted that WG8 had already discussed this response and felt that, as it had been addressed to Georges Sebek of the TSB, it would be inappropriate for a response to come from this meeting. WG9 accepted this view. It was noted that the presentation in M34, supplemented by M10, may be of interest to CA/Browser Forum.



#### **4.4 Other Actions**

Review the subdirectory "historical" at the FTP site: <ftp://ftpmysite.verizon.net>  
with username: idm2009 and password: idm2009

This was drawn to the attention of all attendees as material of historical interest, but no further action is needed from the group.

#### **5 Joint meeting with WG 7 on SGSN (Tuesday AM1) DONE**

Discuss the position of future work on SGSN. Docs M2, M3, M18, M19 and M32.

It was agreed that WG7 will have the responsibility to progress this work, and to draft all necessary resolutions.

#### **6 Joint meeting with Directories (Tuesday AM2) DONE.**

Documents M4, M7, M9, M10, M30, M31 and M34

**6.1** Extended Validation Certificates - doc M4 (does this really concern WG 9 or is it just a Directories issue?)

There was a small amount of discussion on EVCs, but no conclusions.

**6.2** General discussion on the use of X.500 or LDAP protocols (as opposed to a DNS base) for the OID Resolution system protocol

There was some discussion of the features of X.500 vs. DNS. It was agreed that any consideration of DNS should also consider the use of DNSsec for OID information requiring a high degree of trust. However, the use of X.511 with the oidC object class should not be rejected at this stage.

**6.3** The WG9 convener invited brief statements on what additional standardization (if any) was needed to support this project, and how a worldwide infrastructure for OID resolution could be achieved.

If we were to use an X.500 base, then there may be a need to standardize additional attributes, but that would probably be all that was needed. However, it was also noted that there was not a worldwide DAP/DSP infrastructure.

During the discussions, there was a suggestion that an approach based on, for example, 33.5.2.oid.itu.int (meaning {joint-iso-itu-t(2) ds(5) idmProtocol(33)}) might be made to work. Note that the ability to use Unicode labels and to handle long arcs would need attention.

There were reservations about using the term "itu" in this since the OID tree covers ISO/IEC and ITU and Joint work.

#### **6 bis Further discussion on mapping OIDs into domain names DONE for Montreux**

**6 bis.1** The idea of using, for example, 33.5.2.oid.int was discussed. The text in "ITU-T E.910" says that "The request must come from a qualified international organization. Programs within an international organization also qualify to obtain a domain name within ".int", provided that the program constitutes or is intended to constitute, within the international organization, a permanent entity having specified aims and its own rights and obligations." This would appear to imply that we could obtain .oid.int, depending on the precise interpretation of these words. By contrast, the IANA website ([www.iana.org/domains/int/policy/](http://www.iana.org/domains/int/policy/)) states "if the organization is a program/function of a treaty organization, we suggest you contact that organization." There was no consensus on whether we could get oid.int. This may require further discussion.

**6 bis.2** There was a further discussion on the possibility of obtaining ".oid" as a top level domain. This also needs further investigation.

**6 bis.3** A fall-back position would be to use 33.5.2.oid.itu.int. A member of the group with some expertise in this area considered that both 6 bis.1 and 6 bis.2 could be possible, but that 6 bis.2 would be the more difficult. There was also concern that to use oid.itu.int might concern ISO/IEC and might be inappropriate for the joint arc.

**6 bis.4** The initial working draft should encompass both an X.500 approach and a DNS approach, and should copy as much as is appropriate into the Working Draft. This working draft will record that the current discussions have been more detailed on the DNS approach, but the use of the X.500 approach (or even both) has not been eliminated. Organizations and National Bodies commenting on this working draft are invited to provide contributions that explore further the use of either or both approaches.

**6 bis.5** It was noted that there is a software application called "dig" (see Google "dig dns tool"). This is a free application that runs under Unix and Windows. It enables a DNS name to be input, and all the results of the DNS lookup to be displayed. This may be useful to National Bodies looking to investigate the use of DNS lookup for OID resolution.

## **6 ter Trust issues Deferred to Geneva February 2009**

There would be a requirement for the server beneath oid.itu.int to have a certificate for DNSsec once we get beneath the level at which the oid root server operates.

It was noted that the presentation in M34 with the supporting document M10 provides major input into this area. However, it was felt that it was outside the remit of WG9 and Q.10/17 replacement to agree progression of this. VeriSign was invited to resubmit these documents as a zipped TD for the February meeting to be considered by Q.2,8,10/17 replacements.

## **6 quat Performance issues Deferred to Geneva February 2009**

These have not yet been addressed, but there may be interactions between the ability to cache, and the use/non-use of DNSsec.

## **7 HoDC meeting (Wed pm) DONE**

Documents M8, M11, M12, M13, M14, M32

## **8 Develop registration proformas for Unicode Labels (Thursday pm) Deferred to Montreux**

Document M29, M35

**8.1** Develop proposals for Unicode Labels for top arcs. The proforma specified in X.660 should be used, and resolutions drafted for future approval by SG17 and SC6 for all current allocations that require joint resolution. (It is believed that this only applies to top arc joint-iso-itu-t (2), as it is believed that all other arcs are covered by the amendments.) See M35 and the OID repository.

**8.2** Develop registration text for Unicode Labels (including Chinese and Korean text if appropriate).

**8.3** Resolve to allocate Unicode label allocations, both for short arcs and for long arcs.

For example: "/ISO/Registration\_Authority/19785.CBEFF

"/Joint-ISO-ITU-T/ASN.1/Specification/Character\_Strings/Printable\_String

"/ASN.1/Specification/Modules/ISO\_10646"

"/Joint-ISO-ITU-T/ASN.1/Specification/Character\_Strings/Numeric\_String"

"/ITU-R/R-Recommendation/..."

"/Joint-ISO-ITU-T/Registration Procedures/Document-Types/Binary" (WRONG! CANNOT HAVE SPACE).

"/Joint-ISO-ITU-T/BIP"

To be completed See M29.

**8.4** We also need a table for recording the allocations of Unicode labels for top arcs and long arcs. (Lower-level arcs are not the responsibility of the X.660.) Carried forward to Montreux (See M29).

## **9 Points for Resolutions (Thursday AM) DONE**

### **9.1 Country arcs**

Document M15

Progress the Kazakhstan, South Africa and Cape Verde registrations DONE

### **9.2 New arcs under joint-iso-itu-t**

Doc M15, M18, M19, M20.

Progress Resolutions in accordance with M15

Approve allocation of new arcs under joint-iso-itu-t – IEC request, see recent mail to SC 6 from IEC TC 25 WG 9.

### **9.3 Liaisons carried forward DONE**

**9.3.1** We need to discuss TD 3532 with OD Efficient XML interchange and ASN.1 Fast Infoset evaluation. If, according to <http://www.itu.int/md/T05-SG16-080905-TD-WP2-0736/en>, SG16 is interested in W3C EXI, it might be worth sending them a Liaison out of the Sept. meeting to remind them about what is available in SG17. Remember that TD about EXI that I wanted to input to SG17.... If we don't make more publicity about our work (and explain why it is better, or as good as, EXI), I'm afraid other SGs will wait for EXI instead of using what is already there. Maybe we should re-issue an article on ITU's newslog wiki? Or do a liaison? Carried forward to Montreux with input from Alessandro in e-mails.

**9.3.2** Progress a Liaison to SG16, with input from Alessandro (see clause 7.3 paragraph 5 of Geneva minutes, and JL e-mails (?))

### **9.4 Collaborative team for OID resolution system Recommendations and International Standards DONE**

Discuss and approve a resolution (and corresponding liaison to SG17) establishing the OID resolution system work as a collaborative team activity.

### **9.5 Other SC6 resolutions related to OIDs DONE**

The following text is copied from the disposition of comments, and implies a number of SC6 resolutions.

1. Clause 2 of 12D366 addresses this issue. The comment from China should be added by the Editor as issues related to the WD text.

2a. SC6 has resolved that this work be carried out by a collaborative team jointly with ITU-T SG17 subject to ITU-T SG17 adopting a similar resolution at its February 2009.

2b. It was agreed that the work will initially progress as a single project in ISO, and that we should attempt to get the ISO standard number ISO/IEC 29834 for this. (This is ISO/IEC 9834 with a 2 in front of it). There may be a later decision to perform a project split, as specified in the NP, to produce this as a multi-part standard.

2c. Initially, the corresponding recommendation will be X.oid-res.

3. We may need to record the new title as a resolution, and to put it into the BRM disposition of comments.

## **10 Resolution of Defect Reports (Thursday pm) Partly DONE Friday.**

Documents M24, M27

JPL has an action to record a defect report: The present text of X.660 defines a long arc in a very generic way, but other text, particularly A.1.2 and A.7 restrict its use to an arc from the root to a node beneath Joint-ISO-ITU-T. It is considered that the facility should be extended to allow long arcs from the root to any subordinate arc (at any level) subject to joint agreement. The spirit of the intended change is to restrict long arcs to end on nodes of international importance. The corrigendum will need careful text to implement this. Possible text could be "The end node shall be a node which has been allocated either in an X.660 series recommendation, or by joint resolution." Reservations about the impact on tools were expressed.

Review Defect Reports, and confirm the text below (or otherwise).

There are no outstanding Defects on the X.680 and X.690 series, but there are editorial corrections to be applied in the new edition, and the Editor has noted these.

There is one defect left on the X.660 series, this is the editorial correction in X.665 to the title of X.660. It is agreed that this will not be changed until we have more substantive changes to make to X.665.

It was agreed that there are no new Corrigenda to be issued.

The e-mails dtd 21/07 and 25/07 (twice) need to be extracted for discussion under defects. We need a Defect Agenda item. These will be defects on the 2008 version.

Also e-mail from 07 to 12 of 07.

All defect reports were reviewed. 12D020 is now archived, and no longer relevant for future work.

**12D374r1 (current X.680, X.690 and X.890 series) 12D147r3 (current X.660 series) have been uploaded.**

Document M22.

Progress work on one or more of the PER Encoding Instructions identified for immediate work. (see M22)

To determine whether/how to proceed, and who/when will draft text.

Revise website text as appropriate (The old minutes say "see 12D356", but this does not exist!).

This is now increasingly urgent due to use of PER EIs in ISO/IEC 19794-11.

## **12 Discussion on the OID tree (Thursday pm) DONE**

(See M16 Geneva Sept 2008 Agenda item 10 – all sub-clauses)

All necessary actions were determined to be abandoned or done.

### **12.1 Register of allocations under the joint arc, DONE - The OID Repository is our only source**

JL has emailed Lisa Rajchel for her latest copy of the allocations – no reply (?). The intention is for the September SG17 meeting to develop a web page that will record the allocations, together with text for each allocation that will identify the allocation mechanism for subsequent arcs (see below for the country code arc).

## **12.2 Problems with joint arc country code allocations DONE – The OID Repository is our only source**

There is no recommendation for this. The responsible person for this arc is currently Bryan Wood, and Chuck Young. JL has emailed Bryan Wood to ask for his latest copy (no matter how old) of the register. Bryan has replied saying that he has no allocations recorded. This means that the OID repository site is the most recent record.

The OID repository claims that the registration for this is "indicated in" X.660. On investigation, X.660 has a paragraph saying "(for information)" and describing the allocation of this arc. This is not normative text, but the last paragraph recommends that National Bodies and Administrations agree who will be the RA for a given country. This arc and RAs for countries have given OD a lot of trouble, due to the lack of any specified procedures. Even if the text in X.660 was made fully normative, this is not the right standard to include such text.

It is proposed to have the registered joint arcs and the register of arcs under country formally maintained on a web page linked-to from the SG17 home page.

It is further proposed that we consider deleting the recommendation sentence in X.660, and adding normative text to say that the operation of RAs for arcs beneath a joint arc (if not covered by a Recommendation) will be specified in text following each joint arc registration. If this was done, then the recommendation sentence in X.660 for arc {2 16} would be part of this text.

It is generally agreed that this would be a good solution, and could clarify the situation for other arcs beneath the joint arc. However, no change was made before text was consented on X.660, and while deletion of the sentence in "(for information)" could be regarded as editorial, the addition of text to extend the information content of the register of joint arc allocations (which would have to appear in X.666) would be a technical change to X.666.

On balance, it seems best to progress this as an amendment to X.666 extending the information content of a register entry as above. This should be discussed further at the September SG17 meeting with a view to developing such an amendment at the same time as text is added to the existing register entries. It may be possible for the electronic meetings to do some initial work on this. (Note from JL – the electronic meetings did not progress this.)

Further discussion recognized that an amendment would require an ISO NP, which was considered overkill for a small addition. It was therefore agreed that we should progress this change as a technical corrigendum to X.666.

## **12.3 ISO maintenance agencies and RAs DONE**

These are listed at the URL:

[http://www.iso.org/iso/standards\\_development/technical\\_committees/maintenance\\_agencies.htm](http://www.iso.org/iso/standards_development/technical_committees/maintenance_agencies.htm)

There is an action on OD to have the RA for X.668 (and perhaps others in the X.660 series) added, and to see if a link can be added pointing to the OID repository.

## **12.4 SG17 web pages DONE – Agreed no further action needed**

An internationalized OID introduction is needed for the SG17 main page. This may have been done by OD.

Discuss and agree the set of Web pages for the SG17 site, including information on OID top-level arc allocations.

Consider further development of Unicode label assignments (see 6.2 of Geneva 2008 minutes), and the extension of long arcs to cover arcs from the root that are not Joint-ISO-ITU-T based. See 12D368.

## **12.5 Allocation for IEC joint work on telebiometrics DONE**

Resolve an arc allocation, and send liaison to SG 17. Document M20

## **13 Internet Draft for International OIDs (IRIs) (Wednesday am) DONE FOR MONTREUX**

Document M21, M23

### **13.1 Actions needed**

Determine who/when and progression. (see M21 and M23) DONE

We need a corrigendum to X.892 to correct the IRI to a legal value. NOT DONE

### **13.2 Steps needed**

**13.2.1** Step 1: Produce fairly complete word text for the content of an Internet Draft for the IRI Scheme (Wednesday AM) DONE

**13.2.2** Step 2: Convert to Internet Draft format (HW for JSL during Montreux) DONE

To change the XML document in a way that will allow reproduction of the TXT document, it is necessary to use an appropriate editor. The simplest solution is to change the .xml extension into a .txt extension, then to use NotePad, then do the editing, then change the extension back to .xml. A change record is being maintained within the document using xml comment.

To convert the edited XML document to a .txt document, proceed as follows:

1. Go to <http://xml.resource.org>
2. Fill in the box for Convert your XML Source and click submit
3. The output will be ready for submission as an internet draft.

Step 3: Submit as Internet Draft

This cannot be done between 3 Nov and 17 Nov due to an IETF meeting. There is therefore HW on JL for the 18 Nov to reconvert the agreed XML as described in 13.2.2 and to submit the I-D using the links at the bottom of xml.resource.org.

Step 4: Email uri-review saying that the internet draft has been posted, and asking for a review (should take no more than 4 weeks for a response, but for previous URI drafts there can be a series of iterations) HW for JL immediately following Montreux.

Step 5: Formally request allocation from IANA stating that it has been reviewed by uri-review

Step 6: Initiate corrigendum to X.892 (referred to Feb 2009 meeting)

## **13 bis Review of Korea/China internet draft on Discovery Service CARRIED FORWARD**

Document M36

## **13 ter Organization of SG17 in the next Study Period (Thursday am) DONE**

Document M37

Do we have any preferences for the Questions that we would like to be companions in the same working party? Do we have any preferences for the Chairman of that WP.

Informal discussions were held.

## **14 Future work (Thursday pm) Deferred to Geneva**

Document future actions on agreed work (could be referred to electronic meeting).

Discuss any proposed new work (if any) – there are no current proposals for new work.

## **15 General admin (Friday pm) DONE**

Documents M25, 26, 28)

Revised summaries have been produced. DONE

Review 12D097

Review output documents DONE

Update 12D97 and post any new or updated 12Ds. FOR ACTION

Consider “Problems for ASN.1 NetMeeting Discussion” if not already handled DONE

## **16 Review of Geneva Sept 2008 HW (Monday AM) DONE**

JL is to check the remaining e-mails and transfer the contents into this Agenda, or as a separate doc. Carried forward.

PET has HW to update 12D097 to reflect the status of the OID resolver NP. Carried forward.

JL was given HW to provide a 12D of "useful contacts and URLs". This should include the contact details for IETF issues (extract from the OHN issues list), and the contact details for Bob Rowley (Editor of ISO 8601) And for the new Editor of 8601, and for Francois. Also to investigate whether there is information in exchanges with Bob Rowley concerning different time differences on start and end points of intervals that needs to be captured, apart from contact details. The URL for free access to ASN.1 documents (provided by JPL) is

[http://isotc.iso.org/livelink/livelink/fetch/2000/2489/Ittf\\_Home/PubliclyAvailableStandards.htm](http://isotc.iso.org/livelink/livelink/fetch/2000/2489/Ittf_Home/PubliclyAvailableStandards.htm) .

Carried forward.

JL has HW to produce the internet draft and IANA submission for review either at an electronic meeting or in Geneva September 2008 (see 12D348r2 and 12D310). NOT DONE – placed on meeting agenda.

OD has HW to have the RA for X.668 (and perhaps others in the X.660 series) added (see 10.3 of Geneva Sept 2008 minutes), and to see if a link can be added pointing to the OID repository. DONE

## **17 Future meetings (Thursday am) DONE**

Face to face meetings will occur as follows:

- February 11-20, 2009 in Geneva with SG17
- June 1-6, 2009 in Tokyo, Japan with SC6
- September 16-25, 2009 in Geneva with SG17 (tentative)

Electronic meetings will occur as follows:

(Candidate times are Sunday (4pm UK), Tuesday or Thursday (4pm or 6pm UK) weekly).

## **18 Table of output documents – TBD (Friday pm)**

12D#	Title	Going to SC6 (for xyz?)	Going to SG17 (for ?)	12D needs upload ?

12D376 (Word)	Agenda and minutes of Montreux November 2008 meeting (this document).	Information 6N13803	NO	YES
N/A	ASN.1 Q10/17 and SC 6 WG 9 Meeting Report of Joint meeting in Montreux November 2008	Information 6N13804	Meeting Report TD xxxxx	NO
12D373	The OID Namespace Ecosystem	NO	NO	YES
N/A	Disposition of Comments on 6N13665	Information 6N13802	NO	NO
12D364r1	SC 6 WG9 Resolutions (Montreux 2008)	NO	NO	NO
12D375	Establishing OID as a gTLD	NO	NO	YES
N/A	Letter from Kazakhstan	6N13805	TD 3564	NO
N/A	Liaison for information to ITU-T SG16 on Fast InfoSet	6N13806	NO	NO
N/A	Liaison concerning SC6 resolutions requiring SG17 actions.doc	6N13807	NO	NO
12D377	Internet draft for OID IRI registration	NO	NO	YES

## 19 HW during Montreux Nov 2008

JL is to check the remaining e-mails and transfer the contents into this Agenda, or as a separate doc. DONE

The Editor has HW to email [greg.ratta@itu.int](mailto:greg.ratta@itu.int) and [sami.trabulsi@itu.int](mailto:sami.trabulsi@itu.int) to correct two errors in X.660 in F.4.2 (::= should be =) and F.5.1 (ISO should be ISO/IEC). DONE.

## 20 HW immediately post Montreux Nov 2008

PET has HW to update 12D097 to reflect the status of the OID resolver NP.

JL was given HW to provide a 12D of "useful contacts and URLs". This should include the contact details for IETF issues (extract from the OHN issues list), and the contact details for Bob Rowley (Editor of ISO 8601) And for the new Editor of 8601, and for Francois. Also to investigate whether there is information in exchanges with Bob Rowley concerning different time differences on start and end points of intervals that needs to be captured, apart from contact details. The URL for free access to ASN.1 documents (provided by JPL) is

[http://isotc.iso.org/livelink/livelink/fetch/2000/2489/Ittf\\_Home/PubliclyAvailableStandards.htm](http://isotc.iso.org/livelink/livelink/fetch/2000/2489/Ittf_Home/PubliclyAvailableStandards.htm) .

JL has HW to request Bancroft to add Jong-Pyo Kim (NIDA, Korea), [kimjp@nida.or.kr](mailto:kimjp@nida.or.kr) to asn1dev, and to request the SG17 Counsellor to obtain TIES access.

PET has HW to check with Georges on sending the X.660/X.680/X.690 texts to Jooran for FDIS balloting.

JL has HW for the 18 Nov to reconvert the agreed XML as described in 13.2.2 and to submit the I-D using the links at the bottom of [xml.resource.org](http://xml.resource.org).

JL has HW to Email uri-review once the internet draft has been posted asking for a review.



## **21      HW post Montreux Nov 2008**

## **22      Items for electronic meetings**

**22.1**      Resolve last call issues (closing Nov 12) and remind Georges to send texts to Jooran for sending to ITTF for immediate FDIS balloting (all parts of X.680/X.690/X.660 except X.668). Note that the X.660 series have already completed Last Call.

**22.2**      Check that FDIS on X.668 (closing 13 Dec 2008) was successful and is being progressed.

**22.3**      Review Doc Rev and update for use in producing agenda for Feb Geneva.

## **23      Items for SG17 Feb 2009 meeting**

**23.1**      Progress work on OID Resolution System (WD, NB comments, NB contributions, various 12Ds)

**23.2**      Check progress on IRI registration

**23.3**      Progress work on PER EIs.

**23.4**      Check status of work and ensure that 12Ds and Doc Reg are up-to-date, and add agenda items for all carried forward Doc Reg entries.