

ISO/IEC JTC 1/SC 37
Biometrics
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Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Note: Items marked in **red** do not require SC 37 approval but are included for completeness. In addition, resolution numbers may be skipped.

All resolutions approved unanimously unless otherwise indicated.

WG 1 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RECOMMENDATION 1.1 –Working Draft/Standing Document/Base Document Circulation

WG 1 requests the **WG 1 Convener/Secretary** to circulate the following texts to WG 1 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 1 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 1 Convener/Secretary** by **16 February, 2016**.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 1 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be "[Partial] Accept", "Reject", or "Noted". If the Editor chooses to dispose "Discuss", the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

Document Designation (1st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
5 th WD TR 24741: 2007 Revision	Biometrics Tutorial WG 1 experts are specifically invited to review sections on biometric technologies; and example applications to provide up-to-date information on these topics. WG1 experts are also invited to provide information on new topics.

RESOLUTION 1.2 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as, Editors through the January 2017 Plenary meeting.

Name	Position
Peter Waggett (UK)	Editor, SC37 2382-37; SC37 SD 2; and SD 14-1
Tony Mansfield (UK)	Editor, SC37 TR 24741

RESOLUTION 1.3 - Next WG Meeting

Moved under General Resolutions

WG 1 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RESOLUTION 1.4 – Authorization for CD/ FDIS Registration/Circulation

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following documents as CD/ FDIS for letter ballot, if appropriate:

Upon the close of the ballot, the respective Project Editors are instructed to prepare a summary of ballot comments document, including a proposed Editor's disposition of each comment due no later than 30 days after the ballot closes and the summary of voting becomes available. This Editor's document will serve as the basis for discussion of the ballot comments at the January 2016 meeting.

Note: If progression to the next level of ballot is not appropriate, the items will be re-balloted at the same level (e.g. 2nd CD rather than DIS)

New Level	Title
PDTR	PDTR 24741: 2007 Revision – Biometric Tutorial
FDIS	2382-37:2012 Revision – Harmonized Biometric Vocabulary

RESOLUTION 2.1 – Authorization for Changes to Projects

Void

RECOMMENDATION 2.2 –Working Draft/Standing Document/Base Document Circulation

WG 02 requests the **WG 02 Convener/Secretary** to circulate the following texts to WG 02 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 02 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 02 Convener/Secretary** by **16 February, 2016**.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 02 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. The Editor's document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be "[Partial]Accept", "Reject", or "Noted". If the Editor chooses to dispose "Discuss", the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

WG 2 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Document Designation (1st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
SD9	Register of SC37 Biometric Identifiers
SD16	SC37 XML name spaces, data elements, schemas, and related items
SD14-2	WG2 Roadmap
WD1 30106-1.Amd1	Information technology -- Object oriented BioAPI -- Part 1: Architecture -- Amendment 1: Additional specifications and conformance statements
WD1 19785-3.rev2	<p>Information technology -- Common Biometric Exchange Formats Framework -- Part 3: Patron format specifications</p> <p>The circulation of this WD will be done with the following call for contributions:</p> <p>WG 02 has decided to start the 2nd revision of the patron formats (19785-3) in order to get a new part 3 that will be compliant with the results of the revision of CBEFF-1.</p> <p>As a preliminary list of items to be considered in this new revision, the following list applies:</p> <ul style="list-style-type: none"> • Addition of those removed clauses that specified patron formats that were removed as they were aligned with the revision process, instead of the published version. • Addition of the patron formats defined for BioAPI and Object Oriented BioAPI • Explore new patron formats regarding the new definitions of the self-contained CBEFF record, and the non-hierarchical container of CBEFF records. • Re-visit the comments received by the JP NB to the DIS ballot of the 1st revision of CBEFF-3, which were dealing with the revision process of CBEFF-1 instead of the published version. <p>WG 02 experts are invited to send further ideas and contributions for the revision of this standard, which will be considered in the July 2016 meeting, as to decide whether to open the new revision process and allow the editor to prepare a new base document for such revision.</p>

ISO/IEC FCD 19785-1
Exchange Framework

RESOLUTION 2.3 –CD Registration/Circulation

SC 37 requests the SC37 Secretariat to register the following document as CD and to circulate it for letter ballot.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the SC 37 Secretariat by

WG 2 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

16 February, 2016 for a 2 month letter ballot.

Note: the default for CD circulation is now 2 months

Document Designation (CD, PDTR etc)	Title (include also requests to NBs for specific comments/contributions on the document)
CD1 19784-1.rev1	<p>Information technology -- Biometric application programming interface -- Part 1: BioAPI specification</p> <p>The circulation of this CD will be done with the following call for contributions:</p> <p>This revision is expected to cover uniquely the creation of a consolidated version of ISO/IEC 19784-1, including all the amendments and technical corrigenda. No new functionality will be added.</p>

The results of the above ballot will be considered at the July 2016 meeting.

In preparation for review at the July 2016 meeting of any ballot comments, the Project Editor is instructed to prepare, by **20 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. The Editor's document will serve as the basis for discussion at the July 2016 meeting.

RESOLUTION 2.4 –DIS/DAM/FDIS/FDAM Registration/Circulation

SC 37 requests the SC 37 Secretariat to submit the following documents to ITTF for DIS registration and letter ballot.

DIS, text (along with the corresponding approved disposition of comments document upon which this text is based) is required from the Project Editor by **16 February 2016**.

Document Designation (DIS/DAM/FDIS/FDAM)	Title (At this stage, no additional requests for NB comments or contributions is allowed)
DIS 24709-1.rev1	Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures

RECOMMENDATION 2.5 – Call for Contributions (not related to a WD for comment or CD/DIS/DTR for ballot)

WG 02 requests its Secretariat to issue a call for WG 02 Expert contributions on actions and sources of information to improve the marketing efforts of the work done in WG2. In particular, it would be interesting to know about dissemination materials as well as places where such material can be disseminated (e.g. Wikipedia pages, etc.). Additionally WG 02 would like to ask its experts for volunteers

WG 2 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

to be appointed as a person responsible for such dissemination efforts. Contributions received by **16 May 2016** will be considered at the July 2016 WG 02 meeting.

RESOLUTION 2.6 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as Convenor, Secretary, Editors and Liaison Officers through the January 2017 Plenary meeting.

(Those highlighted in yellow are the changes from last meeting)

Name	Position
Fred Herr (US)	Liaison from WG 2 to IBIA
Matthias Niesing (DE)	Editor - 19784-1, BioAPI Part 1
Uwe Schnabel (DE)	Co-Editor - 19784-1, BioAPI Part 1
Toshi Nakamura (JP)	Editor - 19784-1 Amd. 1 - BioGUI
Richard Guest (UK)	Editor - 19784-1 Amd. 2: Framework free BioAPI
Asahiko Yamada (JP)	Editor - 19784-1 Amd. 3 - Support for interchange of certificates and security assertions, and other security aspects
Asahiko Yamada (JP)	Editor – 19784-1.rev1: BioAPI Part 1 (consolidated version)
Richard Guest (UK)	Co-Editor – 19784-1.rev1: BioAPI Part 1 (consolidated version)
Uwe Schnabel (DE)	Editor - 19784-2 BioAPI Part 2, Archive FPI
Uwe Schnabel (DE)	Editor, 19784-4: BioAPI Part 4: Biometric sensor function provider interface
Fred Herr (US)	Editor - 19785-1, CBEFF Part 1
Fred Herr (US)	Editor - 19785-1 Amd 1, CBEFF Part 1
Fred Herr (US)	Editor – 19785-1, CBEFF Part 1 – revision1
Fred Herr (US)	Editor - 19785-2, CBEFF Part 2
Fred Herr (US)	Editor - 19785-2 Amd 1, CBEFF Part 2
Fred Herr (US)	Editor - 19785-3, CBEFF Part 3
Fred Herr (US)	Editor - 19785-3 Amd 1, CBEFF Part 3
Kevin Mangold (US)	Editor – 19785-3, CBEFF Part 3 Revision 1
Kevin Mangold (US)	Editor – 19785-3, CBEFF Part 3 Revision 2
Asahiko Yamada (JP)	Editor - 19785-4, CBEFF Part 4
Fred Herr (US)	Co-Editor - 19785-4, CBEFF Part 4
Richard Guest (UK)	Editor - 24708 BioAPI Interworking Protocol (BIP)
Jason Kim (KR)	Editor - 24709-1 BioAPI Conformance Testing, Part 1
Jason Kim (KR)	Editor – 24709-1 – revision1
TBD	Editor - 24709-2 BioAPI Conformance Testing, Part 2
Jason Kim (KR)	Co-Editor - 24709-2 BioAPI Conformance Testing, Part 2
Toshi Nakamura (JP)	Co-Editor - 24709-2 BioAPI Conformance Testing, Part 2
TBD	Editor - 24709-3 BioAPI Conformance Testing, Part 3
Toshi Nakamura (JP)	Co-Editor, 24709-3 BioAPI Conformance Testing, Part 3: Test Assertions for BioAPI Frameworks
Raghavendra Ramachandra (NO)	Editor - 24722 Multi-Modal TR – revision 1
Farzin Deravi (UK)	Co-Editor - 24722 Multi-Modal TR – revision 1

WG 2 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

TBD	Editor – 29141 Tenprint Capture using BioAPI
Raul Sanchez-Reillo (ES)	Editor – 29164 Embedded BioAPI
Steve Elliott (US)	Editor– 30106, OO BioAPI Part 1
Raul Sanchez-Reillo (ES)	Co-Editor– 30106, OO BioAPI Part 1
Oliver Bausinger (DE)	Co-Editor– 30106, OO BioAPI Part 1
Jason Kim (KR)	Editor – 30106 Amd 1 - Additional specifications and Conformance Statements
Raul Sanchez-Reillo (ES)	Co-Editor – 30106 Amd 1 - Additional specifications and Conformance Statements
Steve Elliott (US)	Editor– 30106, OO BioAPI Part 2
Raul Sanchez-Reillo (ES)	Co-Editor– 30106, OO BioAPI Part 2
Raul Sanchez-Reillo (ES)	Editor– 30106, OO BioAPI Part 3
Richard Guest (UK)	Co-Editor– 30106, OO BioAPI Part 3
Raul Sanchez-Reillo (ES)	Appointed interim Editor– 30106, OO BioAPI Part 4
Kevin Mangold (US)	Editor – 30108-1, BIAS Part 1
Raul Sanchez-Reillo (ES)	Co-Editor – 30108-1, BIAS Part 1
Toshi Nakamura (JP)	Co-Editor – 30108-1, BIAS Part 1
Fred Herr (US)	Editor SD8/9
Raul Sanchez-Reillo (ES)	Co-Editor SD8/9
Kevin Mangold (US)	Co-Editor SD8/9
Young-Bin Kwon (KR)	Editor – SD 14-2, WG2 Roadmap
Raul Sanchez-Reillo (ES)	Co-editor – SD 14-2, WG2 Roadmap
Jimmy Wang (DE, WG3)	Editor SD15/16
Kevin Mangold (US)	Co-Editor SD15/16
Richard Guest (UK)	Co-Editor SD15/16

RESOLUTION 2.7 Initiation of revision process for ISO/IEC 19784-1 standard

SC 37 requests its Secretariat to initiate the revision process for the following standard, with the intention to create a consolidated version of the document including all amendments and technical corrigenda:

ISO/IEC 19784-1: Information technology -- Biometric application programming interface -- Part 1: BioAPI specification

RESOLUTION 2.8 Initiation of revision process for ISO/IEC 19785-3 standard

SC 37 requests its Secretariat to initiate the 2nd revision process for the following standard:

ISO/IEC 19785-3: Information technology -- Common Biometric Exchange Formats Framework -- Part 3: Patron format specifications

RESOLUTION 2.9 Opening and circulation of a Technical Corrigendum on ISO/IEC 30108-1

Void

RECOMMENDATION 2.10 WG 02 position on the NWI submitted about opening 30106-4

After having analyzed the information received from the ES NB about the request to create a NWI that will constitute the C++ implementation of Object Oriented BioAPI, WG 02 declares its fully support to this initiative, and it is intended to be included into WG 02 roadmap if the NWI is approved at the next SC37 Plenary meeting.

In provision of the acceptance, WG02 has resolved to appoint Dr. Raul Sanchez-Reillo, as the interim editor for such new project.

RECOMMENDATION 2.11 - Next WG Meeting

Moved under General Resolutions

RESOLUTION 2.12 – Document for Publication

As the FDIS ballot received no negative votes (100 % approval), SC 37 requests its Secretariat to submit the following documents to ITTF for publication:

Document Designation	Title
FDIS 30106-1	Information technology -- Object oriented BioAPI -- Part 1: Architecture
FDIS 30106-2	Information technology -- Object oriented BioAPI -- Part 2: Java implementation
FDIS 30106-3	Information technology -- Object oriented BioAPI -- Part 3: C# implementation

RESOLUTION 2.13 – Document for Publication as public SC 37 information

As the work on the following SD documents is considered finished, SC 37 requests the SC 37 Secretariat to publish the following documents in the public part of the SC37 repository:

Document Designation	Title
SD8	Procedures for the management of the SC 37 Biometric Identifier RA registers
SD15	Procedures for maintenance of the SC37 XML namespaces, data elements, schemas, and related items

In addition, SC 37 requests the SC 37 Secretariat to ask ITTF to post the updated version of SD 16 Schema into the following address: <http://standards.iso.org/iso-iec/sc37-sd16/>

RESOLUTION 2.14 – Authorization for CD/DIS/FDAM/FDIS Registration/ Circulation

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following documents as CD/DIS/DAM/FDAM/FDIS for letter ballot, if appropriate:

Upon the close of the ballot, the respective Project Editors are instructed to prepare a summary of ballot comments document, including a proposed Editor’s disposition of each comment due no later than 30

WG 2 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

days after the ballot closes and the summary of voting becomes available. This Editor's document will serve as the basis for discussion of the ballot comments at the January 2017 meeting.

Note: If progression to the next level of ballot is not appropriate, the items will be re-balloted at the same level (e.g. 2nd CD rather than DIS)

Note: If the DIS/DAM achieves the necessary approval criteria, the committee may approve a recommendation to JTC 1 to skip the FDIS/FDAM vote and go straight to publication

New Level	Title
PDAM 30106-1.Amd1	Information technology -- Object oriented BioAPI -- Part 1: Architecture -- Amendment 1: Additional specifications and conformance statements
CD1 19785-3.rev2	Information technology -- Common Biometric Exchange Formats Framework -- Part 3: Patron format specifications
DIS 19784-1.rev1	Information technology -- Biometric application programming interface -- Part 1: BioAPI specification
FDIS 24709-1.rev1	Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RESOLUTION 3.1 – New Work Item ballot

SC 37 requests its Secretariat to circulate as soon as possible the following proposal for New Work Items to SC 37 for a **two month** letter ballot and to JTC 1 for concurrent review:

Document #	Title
ISO/IEC NWIP 30137-4	Use of biometrics in video surveillance systems — Part 4: Ground truth and video annotation procedure

In anticipation of approval of the New Work Item Proposal contained in document WG3N0318, the WD is contained in WG3N0246rev., WG 3 requests the WG 3 Secretariat to issue a call for expert contributions on the new work item. Contributions received by 16 May 2016 will be considered at the July 2016 WG 3 meeting.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editor is instructed to prepare and submit to the **WG 3 Convener/Secretary**, by **16 June 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be “[Partial]Accept”, “Reject”, or “Noted”. If the Editor chooses to dispose “Discuss”, the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

RESOLUTION 3.3 – Extension to Target Dates/PoW Limit Dates

SC 37 requests its Secretariat to seek authorization from JTC 1 to extend the target dates/PoW limit dates for the following project:

Project ID	Title	Current limit dates	New limit dates
ISO/IEC 3 rd CD 19794-15	Biometric data interchange format - Part 15: Palm crease image data	2016-06-11	2017-03-11

Rationale: WG 3 needs more time to accommodate comments on the CD and anticipated subsequent CDs before reaching DIS

RECOMMENDATION 3.4 –Working Draft/Standing Document/Base Document Circulation

WG 3 requests the **WG 3 Convener/Secretary** to circulate the following texts to WG 3 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 3 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 3 Convener/Secretary** by **16 February, 2016**.

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 3 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be "[Partial]Accept", "Reject", or "Noted". If the Editor chooses to dispose "Discuss", the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

Document Designation (1 st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
SD 14-3 (WG3N248 rev.)	WG 3 Roadmap
Base Document for a future NWI	Testing and evaluation of biometric acquisition on mobile devices
ISO/IEC 1 st WD 19794-14 AMD 2 (WG3N247rev)	Biometric data interchange formats - Part 14: DNA data – AMD2: Conformance testing Level 3 Call for expert contribution on DE8/JW Terms and definitions DE14/JW - diagrams to demonstrate the 4 quality level DE20/JW – revised description on proper formatting DNA profiles DE26/JW – complete set of samples DNA profiles as xml encoded data DE35/JW - Semantic Test Requirements DE36/JW - Semantic Test Assertions
ISO/IEC 3rd WD 30137-3 (WG3 N0246rev)	Use of biometrics in video surveillance systems — Part 3: Data formats

ISO/IEC FCD 19785-1
Exchange Framework

ISO/IEC FCD 19785-1
Exchange Framework

RECOMMENDATION 3.5 – Invitation to prepare a BD

Moved under General Resolutions

RESOLUTION 3.6 –CD/DCOR Registration/Circulation

SC 37 requests the SC 37 Secretariat to register the following documents as CD/PDAM/DCOR/PDTR and to circulate them for letter ballot.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the SC 37 Secretariat by

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

16 February, 2016 for a 2 month letter ballot.

Document Designation (CD, PDTR etc)	Title (include also requests to NBs for specific comments/contributions on the document)
ISO/IEC 3 rd CD 29794-4 (SC37N6235 rev.)	Information technology -- Biometric sample quality -- Part 4: Finger image data National body contributions are solicited on: <ul style="list-style-type: none"> – quality feature thresholds which indicate that the expected error rate will exceed some value X, – mapping features to specific defects guidance on a threshold, – mapping of features to specific capture conditions (Pressure over/under, Position tip/roll, wet and dry, rotation) (FR 1).
ISO/IEC 19794-5:2005 DCOR 5 (WG3N0189 rev.)	Biometric data interchange formats - Part 5: Face image data - COR 5
ISO/IEC 19794-5:2011 AMD 2:2015 DCOR 1 (WG3N0290 rev.)	Biometric data interchange formats - Part 5: Face image data - AMD 2: XML encoding and clarification of defects
ISO/IEC 4th CD 19794-13 (SC37N6237 rev)	Biometric data interchange formats - Part 13: Voice data
ISO/IEC 3rd CD 19794-15 (SC37N6255 rev.)	Biometric data interchange format - Part 15: Palm crease image data
ISO/IEC 3rd CD 30107-2 (SC37N6240 rev.)	Information Technology - Biometric presentation attack detection - Part 2: Data formats
ISO/IEC 2nd CD 30107-3 (SC37N6245 rev.)	Information technology -- Biometric presentation attack detection -- Part 3: Testing and reporting

The results of the above ballots will be considered at the July 2016 meeting, excluding 3rd CD 29794-4, 4th CD 19794-13 and 3rd CD 19794-15. Ballot results for these documents will be addressed in an SC 37 ISO webex CRM (see Resolutions [G.20, 21a, 21b](#))

In preparation for review at the July 2016 meeting of any ballot comments (except comments to ISO/IEC 3rd CD 29794-4, ISO/IEC 4th CD 19794-13 and ISO/IEC 3rd CD 19794-15), the Project Editors are instructed to prepare, by **20 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

RESOLUTION 3.7 –DAM/FDAM Registration/Circulation

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

SC 37 requests the SC 37 Secretariat to submit the following documents to ITTF for DAM/ FDAM registration and letter ballot.

DAM/FDAM text (along with the corresponding approved disposition of comments document upon which this text is based) is required from the Project Editor by **16 February 2016**.

Document Designation (DAM/FDAM)	Title (Technical contributions/comments not allowed at the FDIS/FDAM stage)
ISO/IEC 19794-6 DAM 2 (WG3N0290 rev.)	Biometric data interchange formats - Part 6: Iris data - AMD 2: XML encoding and clarification of defects
ISO/IEC 19794-14 FDAM 1 (SC37N6176 rev.)	Biometric data interchange formats - Part 14: DNA data – AMD 1: Conformance testing and clarification of defects

RESOLUTION 3.8 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as Editors and Liaison Officers through the January 2017 Plenary meeting.

Yellow marked ones are changed since Gjovik

Name	Position
Olaf Henniger	Editor – 19794-1 (Framework)
Andreas Wolf	Co-editor – 19794-1 (Framework)
Ralph Lessmann	xml/xsd validation report editor for 19794-x
Ralph Lessmann	harmonization assurance test tool editor
Bill Perry	Editor – 19794-1 [G2] AMD1 (conformance)
Jimmy Wang	Editor – 19794-1 [G2] AMD2 (XML)
Brad Wing	Co-editor – 19794-1 [G2] AMD2 (XML)
Dylan Yaga	Co-editor – 19794-1 [G2] AMD2 (XML)
Kevin Mangold	Co-editor – 19794-1 [G2] AMD2 (XML)
Byoung-Jin Han	Co-editor – 19794-1 [G2] AMD2 (XML)
Olaf Henniger	Co-editor – 19794-1 [G2] AMD2 (XML)
Elham Tabassi	Editor – 19794-2 (Finger Minutiae Data)
Geoff Whitaker	Co-editor – 19794-2 [G2]
Patrick Grother	Co-editor 19794-2 [G2]
Raul Sanchez-Reillo	Co-editor 19794-2 [G2]
Olaf Henniger	Editor – 19794-2 [G2] AMD1 (conformance)
Greg Cannon	Co-editor – 19794-2 [G2] AMD1

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Wei Yun Yau	Co-editor – 19794-2 [G2] AMD1
Elham Tabassi	Co-editor 19794-2 [G2] AMD 1
Greg Cannon	Editor – 19794-2 [G2] AMD2 (XML)
Olaf Henniger	Co-editor – 19794-2 [G2] AMD2 (XML)
<vacant by intention>	Editor – 19794-3 (Finger Pattern Spectral Data)
Greg Cannon	Editor – 19794-4 (Finger Image Data)
Young Bin Kwon	Co-editor – 19794-4
Oliver Bausinger	Co-editor – 19794-4
Patrick Grother	Co-editor 19794-4
Elham Tabassi	Co-editor 19794-4
Andreas Wolf	Co-editor 19794-4
Elham Tabassi	Editor – 19794-4 [G2] AMD1 (conformance)
Geoff Whitaker	Co-editor – 19794-4 [G2] AMD1 (conformance)
Eyung Lim	Co-editor – 19794-4 [G2] AMD1 (conformance)
Greg Cannon	Editor – 19794-4 [G2] AMD2 (XML)
Olaf Henniger	Co-editor – 19794-4 [G2] AMD2 (XML)
Andreas Wolf	Editor – 19794-5 (Face Image Data)
Patrick Grother	Co-editor – 19794-5
Vuk Krivec	Co-editor – 19794-5
Bill Perry	Co-editor – 19794-5
Michael Matheson	Co-editor – 19794-5
Andreas Wolf	Editor – 19794-5 [G2] AMD1 (conformance)
Patrick Grother	Co-editor – 19794-5 [G2] AMD1 (conformance)
Dmitry Povesma	Co-editor – 19794-5 [G2] AMD1 (conformance)
Bill Perry	Co-editor – 19794-5 [G2] AMD1 (conformance)
Jian Gao	Co-editor – 19794-5 [G2] AMD1 (conformance)
Andreas Wolf	Editor – 19794-5 [G2] AMD2 (XML)
Olaf Henniger	Co-editor – 19794-5 [G2] AMD2 (XML)
Bill Perry	Co-editor – 19794-5 [G2] AMD2 (XML)
John Daugman	Editor – 19794-6 (Iris Image Data)
Patrick Grother	Co-editor - 19794- 6 [G2]
Raul Sanchez-Reillo	Co-editor - 19794- 6 [G2]
Raul Sanchez-Reillo	Editor – 19794-6 [G2] AMD1 (conformance)
John Daugman	Co- Editor – 19794-6 [G2] AMD1 (conformance)
Ramon Blanco-Gonzalo	Co- Editor – 19794-6 [G2] AMD1 (conformance)
Greg Cannon	Editor 19794-6 [G2] AMD2 (XML)

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Olaf Henniger	Editor – 19794-7 (Signature/Sign Time Series Data)
Richard Guest	Co-editor – 19794-7
Ramon Blanco-Gonzalo	Co-editor – 19794-7
Christiane Kaplan	Co-editor – 19794-7
Christiane Kaplan	Editor 19794-7 [G2] AMD 1 (XML)
Olaf Henniger	Co-editor – 19794-7 [G2] AMD2 (XML)
Richard Guest	Co-editor 19794-7 [G2] AMD 1 (XML)
Takashi Shinzaki	Editor – 19794-8 (Finger Pattern Skeletal Data)
Takashi Shinzaki	Editor – 19794-8 [G2] AMD1 (conformance)
Soichi Hama	Editor – 19794-9 (Vascular Image Data)
Alex Choi	Co-editor – 19794-9
Hisao Ogata	Co-editor – 19794-9
Soichi Hama	Editor – 19794-9 [G2] AMD 1 (Conformance)
Alex Choi	Co-editor – 19794-9 [G2] AMD 1
Hisao Ogata	Co-editor – 19794-9 [G2] AMD 1
Soichi Hama	Editor – 19794-9 [G2] AMD 2 (XML)
Hisao Ogata	Co-editor – 19794-9 [G2] AMD 2
<vacant by intention>	Editor – 19794-10 (Hand Geometry Data)
Ramon Blanco-Gonzalo	Editor 19794-11 (Signature/Sign Processed Dynamic Data)
Ramon Blanco-Gonzalo	Editor – 19794-11 [G2] AMD1 (conformance)
Andreas Nautsch	Editor 19794-13 (Voice Data)
Farzin Deravi	Co-editor 19794-13
Jimmy Wang	Co-editor 19794-13
Jim Wayman	Co-editor 19794-13
Anne Wang	Co-editor 19794-13
Jim Wayman	Editor - 19794-13 [G2] AMD1 (conformance)
Farzin Deravi	Co-editor - 19794-13 [G2] AMD1
Myun Soo Han	Editor – 19794-14 (DNA data)
Young-Bin Kwon	Co-editor - 19794-14
Ambika Suman	Co-editor - 19794-14
Jimmy Wang	Co-editor - 19794-14
Byoung-Jin Han	Co-editor - 19794-14
Byoung-Jin Han	Editor - 19794-14 [G2] AMD1 (conformance level 1+2)
Myun Soo Han	Co-editor - 19794-14 [G2] AMD1
Ambika Suman	Co-editor - 19794-14 [G2] AMD1
Jimmy Wang	Co-editor - 19794-14 [G2] AMD1

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Jimmy Wang	Editor - 19794-14 [G2] AMD 2 (conformance level 3)
Young-Bin Kwon	Co-editor - 19794-14 [G2] AMD 2
Byoung-Jin Han	Co-editor - 19794-14 [G2] AMD 2
Young Bin Kwon	Editor - 19794-15
Byoung-Jin Han	Co-editor - 19794-15
Jimmy Wang	Co-editor - 19794-15
Anne Wang	Co-editor - 19794-15
Patrick Grother	Editor – 29109-2 [G1] AMD1 (Level 3 CT Part 2)
Greg Cannon	Co-editor – 29109-2 [G1] AMD1
Elham Tabassi	Co-editor – 29109-2 [G1] AMD1
Olaf Henniger	Co-editor – 29109-2 [G1] AMD1
Farzin Deravi	Co-editor – 29109-2 [G1] AMD1
Elham Tabassi	Editor – 29109-4 [G1] (Conformance Testing Part 4)
Patrick Grother	Editor - rev29109-5 [G1] (Conformance Testing Part 5)
Andreas Wolf	Co-editor - 29109-5 [G1]
Dmitry Povesma	Co-editor - 29109-5 [G1]
Bill Perry	Co-editor - 29109-5 [G1]
Jian Gao	Co-editor - 29109-5 [G1]
Raul Sanchez-Reillo	Editor - 29109-6 [G1] (Conformance Testing Part 6)
John Daugman	Co-editor - 29109-6 [G1]
Richard Guest	Editor - 29109-7 [G1] (Conformance Testing Part 7)
Olaf Henniger	Co-editor - 29109-7 [G1]
Takashi Shinzaki	Editor - 29109-8 [G1] (Conformance Testing Part 8)
Alex Choi	Editor - 29109-9 [G1] (Conformance Testing Part 9)
Soichi Hama	Co-editor - 29109-9 [G1]
Hisao Ogata	Co-editor - 29109-9 [G1]
Vacant by intention	Editor - 29109-10 [G1] (Conformance Testing Part 10)
Patrick Grother	Editor – 29159-1 (Fusion)
Farzin Deravi	Co-editor – 29159-1 (Fusion)
Elham Tabassi	Editor – 29794-1
Wei Yun Yau	Co-editor – 29794-1
Andreas Wolf	Co-editor – 29794-1
Martin Olsen	Editor – 29794-4
Wei Yun Yau	Co-editor – 29794-4
Elham Tabassi	Co-editor – 29794-4
Elham Tabassi	Editor – 29794-6 Biometric Sample Quality - Iris Image Data

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

John Daugman	Co-editor – 29794-6
Adam Czajka	Co-editor – 29794-6
Christoph Busch	Editor SC 37 WG 3 Road Map
Greg Cannon	Co-editor SC 37 WG 3 Road Map
Farzin Deravi	Co-editor SC 37 WG 3 Road Map
Saritha Arunkumar	Co-editor SC 37 WG 3 Road Map
Elaine Newton	Editor - 30107 -1 (PAD - Framework)
Michael Thieme	Co-editor – 30107-1
Bill Perry	Co-editor – 30107-1
Takashi Shinzaki	Co-editor - 30107-1
Byoung-Jin Han	Co-editor - 30107-1
Farzin Deravi	Co-editor – 30107-1
Olaf Henniger	Co-editor - 30107-1
Saritha Arunkumar	Co-editor - 30107-1
Olaf Henniger	Editor - 30107-2 (PAD - Data formats)
Raul Sanchez-Reillo	Co-editor – 30107-2
Takashi Shinzaki	Co-editor - 30107-2
Michael Thieme	Co-editor - 30107-2
Elaine Newton	Co-editor - 30107-2
Saritha Arunkumar	Co-editor - 30107-2
Michael Thieme	Editor - 30107-3 (PAD – Testing and reporting)
Belen Fernandez-Saavedra	Co-editor – 30107-3
Tetsushi Ohki	Co-editor - 30107-3
Elaine Newton	Co-editor - 30107-3
Olaf Henniger	Co-editor - 30107-3
Shigefumi Yamada	Co-editor - 30107-3
Saritha Arunkumar	Co-editor - 30107-3
Patrick Grother	Editor - ISO/IEC 30137-3
Elham Tabassi	Co-editor - ISO/IEC 30137-3
Geoff Whitaker	Co-editor - ISO/IEC 30137-3
Patrick Grother	Editor - ISO/IEC 30137-4
Elham Tabassi	Co-editor - ISO/IEC 30137-4
Geoff Whitaker	Co-editor - ISO/IEC 30137-4
Sébastien Brangoulo	Liaison Officer to ISO/TC 292 to align ISO/IEC 30137-3 with ISO/IEC 22311
Peter Waggett	WG 3 liaison officer to SC 37 WG 1

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Raul Sanchez-Reillo WG 3 liaison officer to SC 37 WG 2
 Vuk Krivec WG 3 liaison officer to SC 37 WG 4
 Patrick Grother WG 3 liaison officer to SC 37 WG 5

RESOLUTION 3.9a – Liaison Statements

SC 37 requests the SC 37 Secretariat to forward the following documents to the appropriate organization:

Document #	Title	Liaison Organization
SC 37N6237 (rev.)	ISO/IEC 4 th CD 19794-13 Biometric data interchange format – Part 13: Voice data	SC 27
SC 37N6235 (rev.)	ISO/IEC 3 rd CD 29794-4 Biometric sample quality - Part 4: Finger image data	SC 17, SC 27
SC 37N6240 (rev.)	ISO/IEC 3 rd CD 30107-2 Biometric presentation attack detection – Part 2: Data Formats	SC 17, SC 27
SC 37N6245 (rev.)	ISO/IEC 2 nd CD 30107-3 Biometric presentation attack detection – Part 3: Testing and reporting	SC 17, SC 27, SC 29, TC 292
WG3N0248 (rev.)	SD14-3 WG3 Roadmap regarding G3 planning and impact on ICAO 9303. The relevant standards are ISO/IEC 19794-1, 4, 5, 6 (2005) to ISO/IEC 19794-1, 4, 5, 6 (2011)	SC 17, SC 27
WG3N0314	Contribution to the liaison report of the liaison officer (see Res. 3.9b)	SC 17/WG 3

RECOMMENDATION 3.9b – Liaison Statements

WG 3 asks Peter Waggett to prepare a liaison statement to SC 17/WG 3 incorporating SC37/WG3N0314 as well as the agreed approach for the progression of 19794 G1 and G3 and to provide the liaison statement to SC 37/WG 3 by 16th February 2016. SC 37/WG 3 experts are invited to comment back by 26th February 2016 prior to publication of the liaison statement. Peter Waggett is requested to submit the final liaison statement to SC 17/WG 3 by 11th March 2016.

RECOMMENDATION 3.10a – Circulation of SC 27 documents

WG 3 requests the WG 3 Secretary to forward the following SC 27 documents to the WG 3 experts for comments and contributions as requested by SC 27 (see SC37N6288):

- 17922 Telebiometric Authentication framework using biometric hardware security module (Status: 1st DIS)
- 29134 Privacy Impact Assessment – Methodology (Status: 2nd CD)

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

- 19989 Security evaluation of presentation attack detection for biometrics (Status: 3rd WD)
- Standing Document on Standards Privacy Assessment

The SC 37 SG for communication with SC 27 is requested to meet and to submit their comments on the above drafts to SC 27 prior to February, 26th 2016 (see resolution G.27).

RESOLUTION 3.10b – SC 37 to SC 27 Coordination

Moved under General Resolutions

RECOMMENDATION 3.11 – Reconstituting of WG 3 Special Group for preparing Generation 3 Base Documents of the Data interchange formats

WG 3 requests the **WG Convener/Secretary** to reestablish a WG 3 Special Group for issues related to developing the Generation 3 base documents for ISO/IEC 19794 Parts 1, 4, 5.

Terms of Reference:

The Special Group will prepare Base documents for 19794-1, -4, -5 G3 considering that the ASN.1 and XSD shall become normative elements of the standard. In the next WG 3 meeting in Paris 2016 the results of this Special Groups will be discussed.

The SG shall propose a scope for G3 including the aspect of a harmonization test assurance tool that distinguishes the scope of G3 from the scopes of corresponding projects in G1 and G2.

Host: Andreas Wolf

Chair: Olaf Henniger

Initial SG expert members:

(all editors + co-editors of G1/G2 19794-1, 4, 5)

Olaf Henniger

Andreas Wolf

Bill Perry

Jimmy Wang

Brad Wing

Dylan Yaga

Kevin Mangold

Byoung-Jin Han

Greg Cannon

Young Bin Kwon

Oliver Bausinger

Patrick Grother

Elham Tabassi

Geoff Whitaker

Eyung Lim

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Vuk Krivec
Michael Matheson
Dmitry Povesma
Jian Gao
Shizuo Sakamoto
Takashi Shinzaki
Ralph Lessmann

The first meeting of the Special Group will be via a webex on 21. March 2016, 13:00 UTC.

WG 3 requests the **WG 3 Secretary** to issue a Call for participation in the Special Group to all **WG 3 members**. Experts are requested to submit their name and email address to the **WG 3 Convener/Secretary** by 21. February 2016.

The draft agenda for the first Special Group meeting is:

1. Introduction of experts
2. Review of terms of reference
3. Discussion of the scope of G3
4. Mapping between XML schemas, ASN.1 modules, XML documents, and binary data records
5. Structure of XML schemas
6. Structure of ASN.1 modules
7. Next Meetings

The login details for the first webex meeting are the following:

SC37 WG3 19794 G3 Special Group

Monday, 21. March 2016

13:00 | GMT Time (London, GMT) | 2 hrs

Join WebEx meeting <https://iso-meetings.webex.com/iso-meetings/j.php?MTID=m8c70a324618f86399d874ba4dd8ab35e>>

Meeting number: 959 995 753

Join by phone

0800-051-3810 Call-in toll-free number (UK)

+44-203-478-5289 Call-in toll number (UK)

Access code: 959 995 753

The SG chair is requested to submit a SG report including the base documents for part 1, 4 and 5 to the WG 3 secretariat by June 16, 2016 for discussion at the July 2016 meeting.

RECOMMENDATION 3.12 - Next WG Meeting

Moved under General Resolutions

RESOLUTION 3.13 – Document for Publication

As the FDIS ballot received no negative votes (100 % approval), SC 37 requests its Secretariat to submit the following document to ITTF for publication:

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Document Designation	Title
ISO/IEC 29794-1 (SC37N6247 rev.)	Information technology -- Biometric sample quality -- Part 1: Framework

The Secretariat shall ensure that the Approved disposition of comments (WG3 N300) containing editorial corrections are incorporated in the to be published standard.

RESOLUTION 3.14 – Authorization for CD/DIS/FDAM/FDIS Registration/ Circulation

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following documents as CD/DIS/DAM/FDAM/FDIS for letter ballot, if appropriate:

Upon the close of the ballot, the respective Project Editors are instructed to prepare a summary of ballot comments document, including a proposed Editor’s disposition of each comment due no later than 30 days after the ballot closes and the summary of voting becomes available. This Editor’s document will serve as the basis for discussion of the ballot comments at the January 2017 meeting.

Note: If progression to the next level of ballot is not appropriate, the items will be re-balloted at the same level (e.g. 2nd CD rather than DIS)

Note: If the DIS/DAM achieves the necessary approval criteria, the committee may approve a recommendation to JTC 1 to skip the FDIS/FDAM vote and go straight to publication

New Level	Title
ISO/IEC 19794-6 FDAM 2	Biometric data interchange formats - Part 6: Iris data - AMD 2: XML encoding and clarification of defects
ISO/IEC DIS 30107-2	Information Technology - Biometric presentation attack detection - Part 2: Data formats
ISO/IEC 19794-14 PDAM 2	Biometric data interchange formats - Part 14: DNA data – AMD2: Conformance testing Level 3
ISO/IEC DIS 30107-3	Information technology -- Biometric presentation attack detection - - Part 3: Testing and reporting
ISO/IEC CD 30137-3	Use of biometrics in video surveillance systems — Part 3: Data formats

RESOLUTION 3.15 – Citation usage of FVC images

Moved under General Resolutions.

RESOLUTION 3.16 – Comment resolution ISO/IEC 3rd CD 29794-4 per Webex

Moved under General Resolutions

RESOLUTION 3.17 – SC 37 Letter Ballots

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

SC 37 requests the SC 37 secretariat to initiate letter ballots asking National bodies to comment on the technical correctness and consistency with the original sets of the following published documents.

Document	Title
Corrected and consolidated BD of 19794-5:2005 + all Corrigenda + all Amendments + Draft Technical Corrigendum 5 (WG3N0189) + appr. Doc (WG3N0240) (WG3N0249)	Information technology - Biometric data interchange formats - Part 5: Face image data
Corrected and consolidated BD of 19794-4:2005 + all Corrigenda (WG3N0250)	Information technology - Biometric data interchange formats - Part 4: Finger image data

RESOLUTION 3.18 – Permission to reprint consolidated and corrected ISO/IEC 19794-5:2005

Moved under General Resolutions

RESOLUTION 3.19 – National Body support for Possible TMB Ballot regarding ISO/IEC 19794-5:2005 reprint

Moved under General Resolutions

RESOLUTION 3.20 – Request for change of ISO/IEC Directives

Moved under General Resolutions

RESOLUTION 3.21 Initiation of revision process for ISO/IEC 29109-5 standard

SC 37 requests the SC 37 Secretariat to initiate the revision process for the following standard:

ISO/IEC 29109-5 Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 5: Face image data (published 2014-04-14)

The Project Editor is instructed to submit the revision text to the **WG 3 Convener/Secretary** by May, 20 2016.

This Editor's document will serve as the basis for discussion at the July 2016 meeting.

RESOLUTION 3.22

Void

RECOMMENDATION 3.23 Cross schema xml validation

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

WG 3 asks the ISO/IEC 19794 XML Amendment project editors of part -5, -6, -13, -14, -15 to adjust the xml schemas and samples and update the WG 3 Drop-in-box in conformance with the validation report WG 3 N0294 by 16 February 2016.

WG 3 asks Ralph Lessmann to assume the role as a xml/xsd validation report editor.

WG 3 asks Ralph Lessmann to generate a new validation report for ISO/IEC 19794-5, -6,-13, 14, 15 by 16 June 2016.

RECOMMENDATION 3.24 – Documents for Publication

Moved under General Resolutions

RECOMMENDATION 3.25 – Documents for Publication

Moved under General Resolutions

RECOMMENDATION 3.26 – 19794 G3 development

WG 3 asks Ralph Lessmann to assume the role as a harmonization assurance test tool editor.

WG 3 asks Ralph Lessmann to include the harmonization assurance test tool (using sample data records) as a new component to SD 16 by May, 16th 2016.

WG 3 asks Olaf Henniger to contribute ASN.1 to XSD conversion process as a new component to SD 16 by May, 16th 2016.

WG 3 asks Greg Cannon to contribute XSD to ASN.1 conversion process as a new component to SD 16 by May, 16th 2016.

WG 3 asks the editors of ISO/IEC 19794-4, -5 to produce sample test data and test these data according to the harmonization assurance tests (described in WG3N316) by June, 16th 2016.

RESOLUTION 3.27 – Commenting on ICAO Portrait Quality TR

Moved under General Resolutions

RECOMMENDATION 3.28 – Commenting on NIST Fingerprint Image Quality report

WG 3 asks the WG 3 experts to submit comments on the NFIQ 2.0 report (see WG3 Drop-in-box). Comments should be submitted by January, 29 2016 to Elham Tabassi).

RESOLUTION 3.29 – Comment resolution ISO/IEC 4th CD 19794-13 per Webex

Moved under General Resolutions

RECOMMENDATION 3.30 – Instruction to 19794-13 editor

WG 3 asks the 19794-13 editor Andreas Nautsch to incorporate the results of the xsd validation report (WG3N294) into the new draft after the Martigny meeting, to fix the xsd defects and to provide a xml sample.

WG 3 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RESOLUTION 3.31 – Comment resolution ISO/IEC 3rd CD 19794-15 per Webex

Moved under General Resolutions

RECOMMENDATION 3.32 – Instruction to 19794-15 editor

WG 3 asks the 19794-15 editor Young Bin-Kwon to incorporate the results of the xsd validation report (WG3N294) into the new draft after the Martigny meeting, to fix the xsd and xml sample defect.

Furthermore the editor is requested to implement the German comment DE 1 in the new text for 3rd CD ISO/IEC 19794-15, that means that clause 6.1 shall be moved as it was in the version before Gjovik (SC37N6155) and the Clause "Registered format type identifiers" as requested in DE 1 (SC37N6262) shall be added. Furthermore the editor is requested to add the xml sample file as an Annex.

RECOMMENDATION 3.33 – Request to make ISO/IEC 30107-1 a freely available standard

WG 3 supports the request from the US (SC 37 N6259) to make ISO/IEC 30107-1 freely available upon publication and asks SC 37 secretary to initiate the appropriate process.

WG 4 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RESOLUTION 4.1 – New Work Item ballot

Void

RECOMMENDATION 4.2 –Working Draft/Standing Document/Base Document Circulation

WG 4 requests the **WG 4 Convener/Secretary** to circulate the following texts to WG 4 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 4 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 4 Convener/Secretary** by **16 February, 2016**.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 4 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor’s disposition of each comment. This Editor’s document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be “[Partial]Accept”, “Reject”, or “Noted”. If the Editor chooses to dispose “Discuss”, the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

Document Designation (1st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
3 rd WD 30137-1	Use of biometrics in Video surveillance systems - Part 1: Design and specification Expert contributions are requested to provide a summary of the references or a permanent way of citing references that do not include a url. Notes: Experts are reminded that a number of “empty sections” in this document require context or they will be removed at the CD stage (i.e. ANNEX A & C)
2 nd WD 20027	Biometric interoperability profiles - Best practices for slap ten print captures Note: Experts are requested to read the document and provide comments in the next round
Revision of ISO/IEC TR 29196:2015	Guidance for biometric enrolment
SD 14-4	WG 4 Roadmap
SD 12	Project Descriptions

With regard to 3rd WD 30137-1, *Use of biometrics in Video surveillance systems - Part 1: Design and specification*:

WG 4 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

WG 4 asks its Convener to contact the Convener of ISO/IEC JTC 1/SC 17/WG 3 and to discuss a cooperation regarding the WG 3 Portrait Quality Project. In detail, the two groups should work on a common understanding of the concepts of spacial sampling rate as well as resolution/MTF and their measurement in facial image capturing environments.

RESOLUTION 4.3 – Formation of an Editors Group (WG 3, 4, and 5)

Moved under General Resolutions

RESOLUTION 4.4 – Documents for Publication

Given the positive results of the 3rd PDTR ballot and the lack of substantive changes to the balloted PDTR text, SC 37 requests the SC 37 Secretariat to forward the following document to ITTF for publication.

TR text (along with the corresponding approved disposition of comments document upon which this text is based) is required from the Project Editor by **16 February, 2016**.

Document Designation (DIS)	Title
TR 30125	Biometrics used with mobile devices

RESOLUTION 4.5 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as Editors and Liaison Officers through the January 2017 Plenary meeting.

Name	Position
John Mayer-Splain	Editor for Revision of TR 29196:2015, Guidance for biometric
Andreas Wolf	Co-editor for Revision of TR 29196:2015, Guidance for biometric enrolment
Shashi Samprathi	Co-editor for Revision of TR 29196:2015, Guidance for biometric enrolment
Peter Campbell	Co-editor for Revision of TR 29196:2015, Guidance for biometric enrolment
Mike Hogan	Editor WG 4 Roadmap

WG 4 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Bill Perry	WG 4 Liaison Officer to WG 1
TBD	Editor for 30124, Code of practice for the implementation of a biometric system
TBD	Co-Editor for 30124, Code of practice for the implementation of a biometric system
Bill Perry	Editor for 29195, Traveller processes for biometric recognition in automated border control systems
Michael Matheson	Co-Editor for 29195, Traveller processes for biometric recognition in automated border control systems
Rasa Karbauskaite	Co-Editor for 29195, Traveller processes for biometric recognition in automated border control systems
Jason Kim	WG 4 Liaison Officer to ITU-T SG 17
Fred Preston	Editor for 30125, Biometrics used with mobile devices
Jason Kim	Co-Editor for 30125, Biometrics used with mobile devices
Takashi Shinzaki	Co-Editor for 30125, Biometrics used with mobile devices
Bill Perry	Co-Editor for 30125, Biometrics used with mobile devices
Geoff Whitaker	Editor for 30137-1, Use of biometrics in video surveillance systems - Part 1: Design and specification
Raul Sanchez-Reillo	Co-Editor for 30125, Biometrics used with mobile devices
Shashi Samprathi	Co-Editor for 30137-1, Use of biometrics in video surveillance systems - Part 1: Design and specification
Sebastien Brangoulo	Co-Editor for 30137-1, Use of biometrics in video surveillance systems - Part 1: Design and specification
Barry Kefauver	WG 4 Liaison Officer to Frontex
Bill Perry	Editor for 20027 (revision), Best practices for slap ten print captures
Andreas Wolf	Co-Editor for 20027 (revision), Best practices for slap ten print captures
Fred Preston	Co-Editor for 20027 (revision), Best practices for slap ten print captures

RESOLUTION 4.6 – Authorization for DIS/FDIS Registration/Proceed to Publication - Project 30124, Code of Practice for the implementation of a biometric system

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following document as DIS/FDIS for letter ballot, or to proceed to publication, if appropriate:

Upon the close of the DIS ballot on February 26, 2016, a WG 4 electronic meeting is tentatively scheduled for Wednesday, April 6, 2016 (13:00 – 17:00 UTC), contingent on identifying a respective Project Editor to prepare a summary of ballot comments document, including a proposed Editor’s disposition of each comment. This Editor’s document will serve as the basis for discussion of the ballot comments at the April 2016 meeting.

Note: If progression to the next level of ballot is not appropriate, the item will be re-balloted at the same level (e.g. 2nd DIS rather than FDIS)

WG 4 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Note: If the DIS achieves the necessary approval criteria, the committee may approve a recommendation to SC 37 to skip the FDIS vote and go straight to publication

Note: If no editor is named by the July 2016 WG 4 meetings, WG 4 will be asked to consider cancellation of project 30124, Code of Practice for the implementation of a biometric system.

New Level	Title
DIS 30124	Code of Practice for the implementation of a biometric system

RESOLUTION 4.7 Initiation of revision process for ISO/IEC TR 29196:2015

SC 37 requests the SC 37 Secretariat to initiate the revision process for the following standard:

Revision of ISO/IEC TR 29196:2015, *Guidance for biometric enrolment*

- 1) Enlarged standards development track – 48 months to publication
- 2) Scope of Project – Remains consistent (only editorial modifications were made)
- 3) Project Editor: John Mayer-Splain (Co-editors: Andreas Wolf, Shashi Samprathi, Peter Campbell)

Rationale: New information is available

RESOLUTION 4.8 - Next WG Meeting

Moved under General Resolutions

WG 5 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RECOMMENDATION 5.4 –Working Draft/Standing Document/Base Document Circulation

WG 5 requests the **WG 5 Convener/Secretary** to circulate the following texts to WG 5 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 5 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 5 Convener/Secretary** by **16 February, 2016**.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 5 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be "[Partial]Accept", "Reject", or "Noted". If the Editor chooses to dispose "Discuss", the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

Document Designation (1st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
WD4	30137-2: Use of biometrics in video surveillance systems – Part 2: Performance testing and reporting

RESOLUTION 5.5 –CD Registration/Circulation

SC 37 requests the SC 37 Secretariat to register the following document as CD and to circulate it for letter ballot.

The Project Editor is instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the SC 37 Secretariat by **16 February, 2016** for a **2** month letter ballot.

Document Designation (CD, PDTR etc)	Title (include also requests to NBs for specific comments/contributions on the document)
CD2	30136: Performance testing of template protection schemes

The results of the above ballots will be considered at the July 2016 meeting.

In preparation for review at the July 2016 meeting of any ballot comments, the Project Editor is instructed to prepare, by **20 May 2016**, a summary of comments document, including a proposed

WG 5 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

Editor's disposition of each comment. This Editor's document will serve as the basis for discussion at the July 2016 meeting.

RESOLUTION 5.9 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as, Editors and Liaison Officers through the January 2017 Plenary meeting.

Name	Position
Tony Mansfield	Project Editor for 19795-1
Michael Thieme	Project Editor for 19795-2
Osamu Takata	Co-Editor for 19795-2 AMD
TBA	Project Editor for TR 19795-3: Biometric performance testing and reporting Part 3 – Modality specific testing
Patrick Grother	Project Editor for 19795-4: Biometric performance testing and reporting – Part 4: Interoperability performance testing
Michael Thieme	Project Editor for 19795-5: Biometric performance testing and reporting – Part 5: Grading scheme for access control scenario evaluation
Tony Mansfield	Project Editor for 19795-6: Biometric performance testing and reporting – Part 6: Testing methodologies for operational evaluation
Patrick Grother	Project Editor for 19795-7: Biometric performance testing and reporting – Part 7: Testing of on-card biometric comparison algorithms
Patrick Grother	Project Editor for 29120-1: Machine readable test data for biometric testing and reporting – Part 1: Test Reports
Asahiko Yamada	Co-Editor for 29120-1: Machine readable test data for biometric testing and reporting – Part 1: Test Reports
Nigel Gordon	Project Editor for 29156: Guidance for specifying performance requirements to meet security and usability needs in applications using biometrics
Ambika Suman	Project Editor for 29189: Evaluation of examiner assisted biometric applications
Belen Fernandez-Saavedra	Project Editor for 29197: Evaluation methodology for environmental influence in biometric system performance
Hale Kim	Project Editor for TR 29198: Characterization and measurement of difficulty for fingerprint databases for technology evaluation.
Masanori Mizoguchi	Co-Editor for TR 29198: Characterization and measurement of difficulty for fingerprint databases for technology evaluation.
Ye Wang	Project Editor for 30136: Performance testing of template protection schemes
Manabu Inuma	Co-Editor for 30136: Performance testing of template protection schemes
Hale Kim	Project Editor 30137-2: Use of biometrics in video surveillance systems – Part 2: Performance testing and reporting
Tony Mansfield	Co-Editor 30137-2: Use of biometrics in video surveillance systems – Part 2: Performance testing and reporting
Marek Rejman-Greene	Co-Editor 30137-2: Use of biometrics in video surveillance systems – Part 2: Performance testing and reporting
Nigel Gordon	Editor for WG 5 Roadmap, SD 14-5
Tony Mansfield	Liaison to WG 1
Patrick Grother	Liaison to WG 3

RECOMMENDATION 5.13 - Next WG Meeting

Moved under General Resolutions

RESOLUTION 5.15 – Authorization for CD/DIS/FDAM/FDIS Registration/ Circulation

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following documents as CD/DIS/DAM/FDAM/FDIS for letter ballot, if appropriate:

Upon the close of the ballot, the respective Project Editors are instructed to prepare a summary of ballot comments document, including a proposed Editor’s disposition of each comment due no later than 30 days after the ballot closes and the summary of voting becomes available. This Editor’s document will serve as the basis for discussion of the ballot comments at the January 2017 meeting.

Note: If progression to the next level of ballot is not appropriate, the items will be re-balloted at the same level (e.g. 2nd CD rather than DIS)

Note: If the DIS/DAM achieves the necessary approval criteria, the committee may approve a recommendation to JTC 1 to skip the FDIS/FDAM vote and go straight to publication

New Level	Title
DIS	30136: Performance testing of template protection schemes
CD	30137-2: Use of biometrics in video surveillance systems – Part 2: Performance testing and reporting

RESOLUTION 6.1 – Authorization for Changes to Projects

SC 37 requests its Secretariat to seek authorization from JTC 1 to implement the following changes to existing standards projects:

Change of Title

Project #	Old Title	New Title
20322	Information technology - Cross jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and Elderly	Information technology - Cross jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and elderly people

RECOMMENDATION 6.2 –Working Draft/Standing Document/Base Document Circulation

WG 6 requests the **WG 6 Convener/Secretary** to circulate the following texts to WG 6 Experts for review and comment by **16 May 2016**. Comments received by 16 May 2016 will be considered at the WG 6 meeting in July 2016.

The Project Editors are instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the **WG 6 Convener/Secretary** by **16 February, 2016**.

In preparation for review of the received comments at the July 2016 meeting, the respective Project Editors are instructed to prepare and submit to the **WG 6 Convener/Secretary**, by **30 May 2016**, a summary of comments document, including a proposed Editor’s disposition of each comment. This Editor’s document will serve as the basis for discussion at the July 2016 meeting.

The proposed disposition should be “[Partial]Accept”, “Reject”, or “Noted”. If the Editor chooses to dispose “Discuss”, the Editor is requested to extend written options for discussion, consult the Co-editors and express personal view on way forward. Furthermore, Editors shall order the comments by clause number, and highlight technical and general comments for discussion. Editorial comments will be skipped in the discussion in July 2016, unless explicitly requested by an expert in the meeting.

Document Designation (1 st WD, Base Document etc.)	Title (Please also include any requests to experts for comment/contributions on specific sections or issues)
SD 14-6	WG 6 Roadmap
2 nd WD 20322	Information technology -- Cross jurisdictional and societal aspects of implementation of biometric technologies -- Biometrics and Elderly Specifically, experts are requested to provide contributions on the following accessibility and usability issues: <ul style="list-style-type: none"> • Skin dryness (fingerprint recognition) • Arthritis and arthrosis (fingerprint recognition)

WG 6 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

	<ul style="list-style-type: none">• Neuromuscular diseases (fingerprint recognition)• Typical ageing effects having potential consequences on face recognition• Studies concerning the use of face recognition by elderly people• Cataract (iris recognition)• Glaucoma (iris recognition)
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RESOLUTION 6.3 –CD Registration/Circulation

SC 37 requests the SC 37 Secretariat to register the following document as CD and to circulate it for letter ballot.

The Project Editor is instructed to submit the text (along with the corresponding approved disposition of comments document upon which this text is based) to the SC 37 Secretariat by **16 February, 2016** for a 2 month letter ballot.

Document Designation (CD, PDTR etc)	Title (include also requests to NBs for specific comments/contributions on the document)
CD 24779-5	Information Technology - Cross-Jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, Icons and Symbols for use with Biometric Systems - Part 5: Face Applications Specifically, National Bodies are requested to provide contributions on sections 4, 5 and the Bibliography.

The result of the above ballot will be considered at the July 2016 meeting.

In preparation for review at the July 2016 meeting of any ballot comments, the Project Editor is instructed to prepare, by **20 May 2016**, a summary of comments document, including a proposed Editor’s disposition of each comment. This Editor’s document will serve as the basis for discussion at the July 2016 meeting.

RECOMMENDATION 6.4 – Call for Contributions (not related to a WD for comment or CD/DIS/DTR for ballot)

WG 6 requests its Secretariat to issue a call for WG 6 Expert contributions on "Issues Affecting Facial Recognition and Best Practices for their Mitigation". Contributions received by **16 May 2016** will be considered at the July 2016 WG 6 meeting.

WG 6 requests its Secretariat to issue a call for WG 6 Expert contributions on "Operational Biometric Data Sharing". Contributions received by **16 May 2016** will be considered at the July 2016 WG 6 meeting.

WG 6 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

WG 6 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

RESOLUTION 6.5 – Appointment of Officers/Editors/Liaison Officers

SC 37 approves the appointment of the experts listed below as Editors and Liaison Officers through the January 2017 Plenary meeting.

Name	Position
Mario Savastano	Editor 20322
Shashi Samprathi	Co-Editor 20322
Kristina Unverricht	Editor 24779-1
Kristina Unverricht	Editor 24779-4
Shashi Samprathi	Editor 24779-5
Peter Campbell	Co-Editor 24779-5
Michael Matheson	Co-Editor 24779-5
Fred Preston	Co-Editor 24779-5
Mario Savastano	Editor SD 14-6
Mario Savastano	Liaison Officer to SC 35
Patrick Grother	Interim editor for a document on " Issues Affecting Facial Recognition and Best Practices for their Mitigation"
Shashi Samprathi	Liaison Officer to IEC/TC3 / SC 3C

RESOLUTION 6.6 – Liaison Statements

SC 37 requests the SC 37 Secretariat to forward the following documents to the appropriate organization:

Document #	Title	Liaison Organization
24779-5	Information Technology - Cross-Jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, Icons and Symbols for use with Biometric Systems - Part 5: Face Applications	IEC/TC3/SC 3C ISO/IEC JTC1 SC35
20322	Information technology - Cross jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and Elderly	ISO/IEC JTC1 SC35

The project editor of 24779-5 will prepare a liaison statement to IEC/TC3/SC 3C to be sent out with the document.

The liaison officer to SC35 will prepare a liaison statement to be sent out with the documents.

RECOMMENDATION 6.7 – UK NB Contribution on NWIP "Use of biometrics for identity management in healthcare"

Void

Secretary Note: This has been overcome by events (see General Resolution 22)

RECOMMENDATION 6.8 – UK NB Contribution on NWIP "Biometrics and identity management for major incident response"

Void

Secretary Note: This has been overcome by events (see General Resolution 22)

RECOMMENDATION 6.9 - Continuation of work on "Issues Affecting Facial Recognition and Best Practices for their Mitigation"

WG 6 thanks the SG on "Issues Affecting Facial Recognition and Best Practices for their Mitigation" for its efforts and will draft a document on the topic. WG 6 requests the SC 37 secretariat to provide information on possibilities to make a document freely available.

RECOMMENDATION 6.10 - Continuation of work on "Operational Biometric Data Sharing"

WG 6 thanks the SG on "Operational Biometric Data Sharing" for its efforts and asks its secretariat to put the topic on the agenda for the next meeting. WG 6 will consider proposing a TR on the results of the SG at its next meeting.

RECOMMENDATION 6.11 - Work on "Usability evaluation methodology"

If a NWIP on "Usability evaluation methodology" is balloted and the NWIP is approved, WG 6 asks for joint meetings with WG 5 on this project in order to be able to give input on usability issues.

RECOMMENDATION 6.12 - Next WG Meeting

Moved under General Resolutions

RESOLUTION 6.13 – Authorization for CD/DIS/FDAM/FDIS Registration/ Circulation

SC 37 approves the authorization for the July 2016 meeting to request the SC 37 Secretariat to register the following documents as CD/DIS/DAM/FDAM/FDIS for letter ballot, if appropriate:

Upon the close of the ballot, the respective Project Editors are instructed to prepare a summary of ballot comments document, including a proposed Editor's disposition of each comment due no later than 30 days after the ballot closes and the summary of voting becomes available. This Editor's document will serve as the basis for discussion of the ballot comments at the January 2017 meeting.

Note: If progression to the next level of ballot is not appropriate, the items will be re-balloted at the same level (e.g. 2nd CD rather than DIS)

Note: If the DIS/DAM achieves the necessary approval criteria, the committee may approve a recommendation to JTC 1 to skip the FDIS/FDAM vote and go straight to publication

WG 6 Resolutions from the January 2016 SC 37 Meeting in Martigny, Switzerland

New Level	Title
DIS 24779-5	Information Technology - Cross-Jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, Icons and Symbols for use with Biometric Systems - Part 5: Face Applications
FDIS 24779-4	Information Technology - Cross-Jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, Icons and Symbols for use with Biometric Systems - Part 4: Fingerprint Applications

General Plenary Resolutions

RESOLUTION G.1 – SC 37 Business Plan

SC 37 instructs its Chairman to update the SC 37 Business Plan based on the results of this meeting and the July 2016 SC 37 WG meetings and to forward the updated document to the SC 37 Secretariat. The SC 37 Secretariat is instructed to forward the document to JTC 1 for consideration at the November 2016 JTC 1 Plenary meeting in Lillehammer, Norway.

RESOLUTION G.2 – SC 37 Roadmap

SC 37 approves document SC 37 N6236 as the current SC 37 Roadmap for posting on the SC 37 web site and the SC 37 Wikipedia page. SC 37 instructs its Chairman to update the SC 37 Roadmap following the July 2016 WG meetings and to forward the updated roadmap to the SC 37 Secretariat for posting on the SC 37 web site and the SC 37 Wikipedia page.

RESOLUTION G.3 – Invitation to prepare a BD

SC 37 asks the French National Body to submit a Scope and a Base document for a future NWIP on "Testing and evaluation of biometric acquisition on mobile devices" to WG 3 Secretary by April, 16th 2016.

Upon receipt of the base document, SC 37 instructs the WG 3 Secretariat to circulate the document to WG 3 experts and WG 5 Convener to circulate the document to WG 5 experts for review and comment. Comments received by 16 May 2016 will be considered by WG 3 and WG 5 in a joint meeting in the July meeting in Paris.

RESOLUTION G.4 – Re-establishment of the SC 37 Special Group on Strategy

SC 37 reestablishes the SC 37 Special Group on Strategy to prepare and coordinate SC 37 contributions and responses to inquiries of JTC 1 Subgroups and to address any required SC 37 strategic issue through the January 2017 SC 37 Plenary with the following Terms of Reference:

1. To review and comment on documents/reports/recommendations etc. developed by JTC

1 or its subgroups (e.g. JTC 1 Advisory Group, JTC 1 Working Groups)

as appropriate, including

- a. Highlighting any SC37 projects and activities that might be of interest
- b. Reviewing and commenting on positions taken that could impact any aspect of the SC 37 PoW and structure
- c. Reviewing and commenting on JTC1 requests to SCs for comments or contributions

General Plenary Resolutions

2. To identify potential SC 37 Incubator Groups not identified by either JTC 1 Subgroups or the SC 37 WGs
3. To update the SC 37 Roadmap based on SC 37 WG roadmaps as a result of the January 2016 and July 2016 meetings and input from NB and Liaison Organizations
4. To address SC 37 strategic issues between Plenary meetings such as
 - a. outreach and marketing efforts (e.g., development of a plan to hold workshops collocated with SC 37 meetings)
 - b. strategic issues raised by National Bodies or the SC 37 Officers that could not be addressed or completely resolved at a SC 37 Plenary
 - c. issues sent to the Special Group by the Plenary for development
 - d. improved methods and processes for SC 37 operations
5. To develop recommendations associated with 2, 3 and 4 above for SC 37 approval via either letter ballot or subsequent plenary resolution

The following initial members are:

Chair: Fernando Podio, JTC1/SC 37 Chairman

Michael Miller, JTC1/SC 37 Secretary

JTC 1/SC 37 WG Conveners (or designee)

- Steve Clarke (WG 1 Convener)
- Young Bin-Kwon (WG 2 Convener)
- Christoph Busch (WG 3 Convener)
- Mike Hogan (WG 4 Convener)
- Nigel Gordon (WG 5 Convener)
- Mario Savastano (WG 6 Convener)

National Body Representatives and Liaison Representatives

The SC 37 Secretariat is instructed to issue a call for contributions on the Terms of Reference issues and a call for additional participation by **1 May, 2016**. The SG Chair is instructed to issue a meeting announcement and an initial agenda at least 60 days in advance of the 1st meeting.

The initial 2016 meeting is planned as the F2F meeting to be held on Friday, 22 July from 13:00 – 16:00 Paris, France collocated with the SC 37 WG meetings. Additional meetings (teleconferences/Web- Ex) may be scheduled as needed. The SG Chair is instructed to submit a report following each meeting, including any recommendations for SC 37 consideration.

RESOLUTION G.5 – Citation usage of Fingerprint Verification Competition (FVC) images

SC 37 asks ITTF to check the proper citation usage of FVC images in ISO/IEC 29794-4 Information technology -- Biometric sample quality -- Part 4: Finger image data (SC 37 N6235 rev.). The FVC images are stemming from the University of Bologna and were published in the context of the FVC. They are widely used in the academic literature and are freely available from: <http://biolab.csr.unibo.it>

RESOLUTION G.6 – Formation of an Editors Group (WG 3, 4, and 5)

SC 37 instructs its SC 37 Secretariat to establish an Editors Group consisting of experts and project editors from Working Groups 3, 4, and 5 in order to harmonize the figures representing the components of a video surveillance systems (similar to the process used to develop **Figure 1 – Components of a general biometric system** found in SC 37 N3663, SD 11 – *Harmonization*). This figure is relevant to all 3 parts of project 30137, *Use of biometrics in video surveillance systems*.

RESOLUTION G.7a – Initiation of NP for ISO/IEC 30106-4, Object Oriented BioAPI – Part 4: C++ implementation

SC 37 instructs its Secretariat to circulate the following document for a three month NP ballot and to forward it to JTC 1 for concurrent review:

SC 37 N6261 - ISO/IEC 30106-4 Object Oriented BioAPI – Part 4: C++

RESOLUTION G.7b - Base Document for ISO/IEC 30106-4, Object Oriented BioAPI – Part 4: C++

In anticipation of approval of the New Work Item Proposal contained in document SC 37 N6271 (see resolution G.7a), SC 37 instructs the WG 2 secretary to issue the draft document contained in N6271 as a Base Document for WG 2 expert comments. If the NP is approved, any comments received on the Base Document by 16 May 2016 will be considered at the July 2016 WG 2 meeting. If the NP is not approved, expert comments on the Base Document will not be considered.

RESOLUTION G.8 – Appointment of Officers

SC 37 approves the appointment of the experts listed below as Officers:

Name	Position
Greg Cannon (US)	SC 37 Liaison Officer to SC 27
Peter Waggett (UK)	SC 37 Liaison Officer to SC 17
Young-Bin Kwon (KR)	SC 37 Liaison Officer to SC 31
Jason Kim (KR)	SC 37 Liaison Officer to ITU-T SG 17
Greg Cannon (US)	SC 37 Liaison Officer to IBIA
Peter Waggett (UK)	SC 37 Liaison Officer to JTC 1/WG 7
Kevin Mangold (US)	SC 37 Liaison Officer to OASIS Biometrics Services TC
Peter Waggett (UK)	SC 37 Liaison Officer to SC 38
Andreas Wolf (DE)	SC 37 Liaison Officer to CEN/TC 224/WG 18
Michael Thieme (US)	SC 37 Liaison Officer to JTC 1/WG 9 on Big Data

Shashi Samprathi (AU)	SC 37 Liaison Officer to IEC/TC 3/SC 3C, Graphical Symbols for use on Equipment
Mario Savastano (IT)	SC 37 Liaison Officer to JTC 1/SC 35 on User Interfaces

RESOLUTION G.9 – Confirm status of the liaison relationship between the International Labour Organization (ILO) and SC 37

SC 37 instructs its Secretariat to contact ILO to determine whether or not they wish to continue their liaison relationship with SC 37 and if so, if they are prepared to submit written reports to the SC 37 Plenary meetings and send a representative to participate.

RESOLUTION G.10 – Participation Obligation for Liaison Officers

SC 37 reminds all SC 37 liaison officers of their obligation to prepare a written liaison report to each SC 37 Plenary by the deadline specified in the SC 37 Plenary agendas. Attendance at the Plenary to address any questions on the report is desirable.

RESOLUTION G.11 – Discontinuation of Liaison Relationship with JTC 1/WG 10 on Internet of Things (IoT)

Due to the lack of an identified liaison officer from SC 37 to JTC 1/WG 10 and in the absence of any report on the activities of WG 10, SC 37 resolves to discontinue its formal liaison with JTC 1/WG 10 and instructs its Secretariat to so advise the WG 10 Convenor of this action. However, it should also be communicated that SC 37 remains available to review and consult on any biometrics issues that may arise in WG 10.

RESOLUTION G.12 – Request for free availability of ISO/IEC 30107-1: 2016

SC 37 requests JTC 1 to approve making ISO/IEC 30107-1: 2016 freely available, in accordance with the ISO guidelines for freely available standards. The request meets the criteria contained in JTC 1 N8480 as follows:

1. "(Criteria 6) REFERENCE MODELS B: Architectural descriptions which describe frameworks to guide standards development, including profiles and taxonomies."

Justification: ISO/IEC 30107-1 does not have implementable specifications. ISO/IEC 30107-1 enhances awareness and influence of JTC 1.

2. "(Criteria 7) INTRODUCTIONS: Purely introductory parts of multi-part standards Catalogues of standards for sales promotion."

Justification: ISO/IEC 30107-1 is an introduction to a multi-part standard. By cataloguing parts 2 and 3, it serves as a sales promotion for those parts.

RESOLUTION G.13 - Initiation of a PWI on the topic of Biometrics Usability Evaluation Methodology

SC 37 approves the initiation of a PWI on the topic of Biometrics Usability Evaluation Methodology. The PWI and Study Period will be conducted under WG 5.

SC 37 instructs WG 5 to provide a progress report on the status of this PWI at the January 2017 Plenary.

SC 37 Instructs WG 5 to consider the following documents during the Study Period:

From ISO/IEC JTC 1 SC7/WG28 and ISO TC159/SC4/WG28

ISO/IEC TR 25060:2010 Systems and software engineering -- Systems and software product Quality Requirements and Evaluation (SQuaRE) -- Common Industry Format (CIF) for usability: General framework for usability-related information

ISO/IEC 25062: 2006 Software engineering: Software product Quality Requirements and Evaluation (SQuaRe) - Common Industry Format (CIF) for Usability Test Reports (This document describes how to document a summative usability evaluation and the relevant elements of a usability evaluation.)

ISO/IEC 25063: 2014 Software engineering: Software product Quality Requirements and Evaluation (SQuaRe) -- Common Industry Format (CIF) for Usability -- Context of Use Description

ISO/IEC 25064: 2013 Software engineering: Software product Quality Requirements and Evaluation (SQuaRe) -- Common Industry Format (CIF) for Usability: User Needs Report

ISO/IEC FDIS 25066 Software engineering: Software product Quality Requirements and Evaluation (SQuaRe) -- Common Industry Format (CIF) for Usability -- Evaluation Report (This is currently being balloted as an FDIS.)

1st CD 25065 Software engineering: Software product Quality Requirements and Evaluation (SQuaRe)- Common Industry Format (CIF) for Usability – User Requirements Specification

RESOLUTION G.14 – Establishment of Category A Liaison relationship with the OASIS Biometrics Services TC

SC 37 approves the establishment of a Category A Liaison relationship with the OASIS Biometrics Services TC as requested in document SC 37 N6319 and instructs its Secretariat to forward this resolution to JTC 1 for its approval.

RESOLUTION G.15 – Reprint of the corrected and consolidated ISO/IEC 19794-5:2005

SC 37 instructs its Secretariat to escalate this issue to JTC 1 asking that JTC 1 refer it to ISO TMB for obtaining a permission for a corrected and consolidated document to be issued as a reprint (incorporating “19794-5:2005” in its title).

Background:

The standard series ISO/IEC 19794 „Biometric Data interchange formats“ with different parts (1, 2, 4 -10) has been published between 2005 and 2007 as the first edition (generation 1 – binary encoding). Even though since 2007 the generation 2 of data interchange formats has been developed and published (XML Encoding, publication dates beginning from 2011), the generation 1 standards and their associated amendments and corrigenda are retained (according to TMB Resolution 91/2014) in the ISO catalogue until 2033.

(Justification: These first editions of the 19794-x standards have been adopted and are required by large organizations including ICAO for Machine Readable Travel Documents (MRTD) and the Unique ID (UID) project in India. Recently, ICAO indicated that there are 700+ Million ePassports in the

fields, issued by more than 108 states, using the SC37 standards for this application. This is up from 430 million reported in December 2012. This number keeps growing as more ePassports are issued.

SC 37 has been informed by ICAO, through JTC 1/SC 17, that the above standards will be used by ePassport issues until 2023. Given a 10 year validity period of ePassport – in consequence a Passport reader that is produced in 2023 must still know about the 2005 standards. Thus, we had previously requested ISO TMB for permission to retain the above standards and their associated amendments and corrigenda in the ISO catalogue until 2033. ISO TMB had approved this request. This is necessary to support implementations of our standards – the whole purpose for developing ISO/IEC standards.)

To improve the readability and applicability of ISO/IEC 19794-5 „Face image data“ with its numerous amendments and corrigenda (ISO/IEC 19794-5:2005 + AMD 1:2007 + AMD 2:2009 + COR 1:2008 +COR 2:2008 + COR 3:2013 + COR 4:2015) SC 37 decided to integrate the published standard with all amendments and corrigenda to a new complete document and proposed to publish this consolidated version as a reprint (maintaining the publication date 2005). This has been rejected by ITTF initially.

During the consolidation work of the ISO/IEC 19794-5 documents, new and significant defects in the standard and its Amendment 2:2008 as well as its Corrigendum 3:2013 have been detected. These defects have to be corrected in order for the standard to be useful for its global users in general, and the International Civil Aviation Organization (ICAO) (for use in passports worldwide) in particular.

It is for this reason SC 37 asked ITTF to correct the defects in ISO/IEC 19794-5:2005 via a corrected and updated reprint of ISO/IEC 19794-5:2005, which could incorporate all corrigenda and amendments. This will ensure that not only the new defects are corrected and the standard number and publication date are retained as needed by the major users of the standard, but that also all the material related to the standard is integrated in one document at the same time, thus helping the users of the standard and minimizing the risk of errors in understanding and implementation.

The reprint solution is also clearly favoured by ICAO and ISO/IEC JTC 1/SC 17/WG 3 “Machine Readable Travel Documents” according to a respective statement.

(Statement ISO/IEC/JTC 1/SC 17/WG 3: SC17/WG3 has discussed the consolidated 19794-5:2005 with ICAO’s New Technologies Working Group (NTWG). The NTWG is appreciating the effort of ISO/IEC JTC1 SC37 to prepare such consolidated 19794-5:2005 standard incorporating all the amendments and the many corrigenda into one single document. ICAO Doc 9303 references ISO/IEC 19794-5 in its specifications for Machine Readable Travel Documents of which more than 700 million have been deployed. It is not feasible to change the references in Doc 9303 for the sake of changes in existing standard numberings. Therefore, and based on the assurance from SC37 that this consolidation does not introduce any technical changes to ISO/IEC 19794-5:2005 it is considered to be of utmost importance that this consolidated document will be published by ISO/IEC under the same originally used standard number namely ISO/IEC 19794-5:2005.)

Unfortunately, this request has been rejected in September 2015 by ITTF again, even though a precedent case, where a similar solution has been adopted, had been found (publication of ISO/IEC 15408-1, -2 and -3 in 2011/2014 as corrected reprints of the 2008/2009 SC 27 standards).

RESOLUTION G.16 – National Body support for Possible TMB Ballot regarding ISO/IEC 19794-5:2005 reprint

All SC 37 heads of delegation are requested to inform their JTC 1 representatives about the crucial importance of the Resolution G.15 and the JTC 1 acceptance as a prerequisite for achieving this goal.

SC 37 asks the following individuals in particular to communicate to the TMB (Technical Management Board) members the importance of the issue as explained in SC 37 N6280. Thus communication is needed as soon as possible

AFNOR France - Pierre Gacon
ANSI USA – Mike Hogan
BSI United Kingdom – Peter Waggett
DIN Germany – Ulrike Pöhlmann
DSM Malaysia – Salwa Denan
GOST R Russian Federation – Igor Spiridonov
JISC Japan – Asahiko Yamada
KATS Republic of Korea – Young-Bin Kwon
SA Australia – Michael Matheson
SABS South Africa – Bill Perry / Llewellyn Louw
SAC China – Jian Gao
SIS Sweden – Knut Lindelien
SFS Finland – Lauri Toivio
SNV Switzerland - Sébastien Marcel

RESOLUTION G.17 – Request for change of ISO/IEC Directives

SC 37 requests JTC 1 to recommend changes to the ISO/IEC Directives Part 1 to allow the reprints of standards with included corrigenda to keep the original publication dates (see Clause 2.10.2). This shall be applicable also to standards that are older than three years. This request should be submitted to the JTC 1 Advisory Group meeting in August 2016.

RESOLUTION G.18 – Documents for Publication

SC 37 reminds the SC 37 secretariat of the Toledo RESOLUTION 3.14 a, where the following was requested:

In addition to the publication of the pdf in the ITTF portal, the SC 37 secretariat shall ask ITTF to publish the 19794-1 schema "19794-1_ed2_amd2.xsd" under the publicly accessible namespace <http://standards.iso.org/iso-iec/19794/-1/ed-2/amd/2>.

RESOLUTION G.19 – Documents for Publication

In addition to the publication of the pdf in the ITTF portal, the SC 37 secretariat shall ask ITTF to publish the 19794-2/-4/-5/-7/-9 schema under the publicly accessible namespaces like the following:

19794-2_ed2_amd2.xsd	http://standards.iso.org/iso-iec/19794/-2/ed-2/amd/2
19794-4_ed2_amd2.xsd	http://standards.iso.org/iso-iec/19794/-4/ed-2/amd/2
19794-5_ed2_amd2.xsd	http://standards.iso.org/iso-iec/19794/-5/ed-2/amd/2
19794-7_ed2_amd1.xsd	http://standards.iso.org/iso-iec/19794/-7/ed-2/amd/1
19794-9_ed2_amd2.xsd	http://standards.iso.org/iso-iec/19794/-9/ed-2/amd/2

RESOLUTION G.20 – Comment resolution for ISO/IEC 3rd CD 29794-4 per Webex

To keep the DIS registration deadline on 2016-06-14, the editor is asked to submit the proposed disposition of comments after the CD ballot not later than April 25, 2016.

SC 37 instructs the SC 37 Secretariat to schedule an SC 37 ISO webex based comment resolution meeting on May, 11th 2016, 13:00 UTC.

The webex meetings mentioned in Resolutions G.20, G.21a and G.21b are joint meetings.

RESOLUTION G.21a – Comment resolution for ISO/IEC 3rd CD 19794-15 per Webex

The editor is asked to submit proposed disposition of comments after the CD ballot no later than 2016-04-25.

SC 37 instructs the SC 37 Secretariat to schedule an SC 37 ISO webex based comment resolution meeting on May, 11th 2016, 13:00 UTC.

The webex meetings mentioned in Resolutions G.20, G.21a and G.21b are joint meetings.

RESOLUTION G.21b – Comment resolution for ISO/IEC 4th CD 19794-13 per Webex

The editor is asked to submit the proposed disposition of comments after the CD ballot no later than 2016-04-25.

SC 37 instructs the SC 37 Secretariat to schedule an SC 37 ISO webex based comment resolution meeting on May, 11th 2016, 13:00 UTC.

The webex meetings mentioned in Resolutions G.20, G.21a and G.21b are joint meetings.

RESOLUTION G.22 – Initiation of Work on Technical Reports

SC 37 approves the initiation of a project for the development of the following TRs and assigns responsibility for the development work to WG 6, in close cooperation and coordination with WG 4.

Document #	Title
SC 37 N6316	Technical Report on Biometrics and identity management for major incident response
SC 37 N6317	Technical Report on Use of biometrics for identity management in healthcare

RESOLUTION G.23 – Commenting on ICAO Portrait Quality TR

SC 37 asks the all WG Convenors to issue a call for comments to their WG experts on the draft ICAO TR on Face Portrait Quality (see WG 3N0292). Comments should be submitted by end of February 2016 to Andreas Wolf (Andreas.wolf@bdr.de).

RESOLUTION G.24 – Request to update SD 12

SC 37 instructs its Secretariat to review SD 12 "SC 37 Standing Document 12 (SD 12), SC 37 Project Description Information" and to update the standing document with input from the Project Editors.

RESOLUTION G.25 – Future Meeting Plans

SC 37 approves the following schedule of future SC 37 WG and Plenary meetings:

18-22 July 2016 WGs only Paris, France

SC 37 encourages National Bodies to consider hosting future SC 37 WG and/or Plenary meetings and reminds National Bodies that a social event should not be considered a prerequisite to host future meetings. In addition, JTC 1 SD 19 on Meetings, clause 4 on Funding Mechanisms, is also an option that could be considered in the deliberations.

RESOLUTION G.26 - Next WG Meetings

SC 37 requests the SC 37 Chairman and Secretariat to consider the arrangements outlined below for the next set of meetings in July 2016 in Paris:

WG 1 requests the SC 37 Secretariat and Chairman to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- Five (5) days total including a joint meeting with WG5. WG 1 requests the joint meeting to be a 3 hour meeting on the Friday.
- The availability of 1 projector in the meeting room for the entire week.

WG 2 requests the SC 37 Secretariat and Chairman to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- One day and a quarter including the joint meeting with WG3. The meeting shall start with the WG2-WG3 joint meeting.

WG 3 requests the SC 37 Secretariat and Chairman to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- WG 3 requests a 5-day meeting.
- The first morning session on Day 1 is to be set aside for a joint meeting with WG 2 (09:00 – 10:30 h).
- On Wednesday, 14:00 – (open end) a joint meeting of WGs 1/2/3/5 will take place. The day is dedicated to the discussion of 30107 and 30137.
- On Thursday, 09:00- (open end), a joint meeting of WGs 2/3/5 will take place. The entire day will be dedicated to discussion of the parts 2 and 3 of 30107.
- Furthermore WG 3 kindly asks to provide two projectors for the meeting room.

WG 4 requests the SC 37 Secretariat and Convener to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- WG 4 requests 2 days (preferably Wednesday and Thursday)
- Inclusive of a ½ day joint meeting with WG 6 (if needed) on review of the ballot results on NWIP N6316 and N6317

- no overlap with WG 6 and if possible, with WG 5

WG 5 requests the SC 37 Secretariat and Chairman to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- 2 full days for WG 5 exclusive of any joint meetings.

WG 6 requests the SC 37 Secretariat and Chairman to consider the following arrangements outlined below for the next set of WG meetings in July 2016.

- A two-day meeting not overlapping with WG4 preferably at the beginning of the week and a half day joint meeting with WG4 on any possible joint project.

RESOLUTION G.27 – Re-establishment of the SC 37 to SC 27 Coordination Group

SC 37 continues to feel that the ISO liaison process is the best method to coordinate on projects of mutual interest between SC 37 and SC 27 and will continue to use and support this means of communication. To augment this process, SC 37 resolves to re-establish an SC 37 to SC 27 Liaison Coordination Group. The terms of reference for this group are:

Title: SC 37 to SC 27 Liaison Coordination

Group Purpose: To coordinate SC 37 responses to SC 27 projects and liaison statements between meetings (based on relative timelines).

Leader: The SC 37-SC 27 Liaison Officer (currently Greg Cannon)

Methods: Email will be the normal and primary means of group discussion and dissemination of information. The SC 37-SC 27 liaison will keep the group informed via email communications. This method will also be used as the primary method of discussion among group members. When necessary, the group may meet via teleconference, at the discretion of the SC 37 to SC 27 Liaison. Email will be used to disseminate telecon information. The group leader is responsible for hosting or arranging for hosting of telecons. Membership: The SC 37 to SC27 Liaison Coordination Group is open to all SC 37 National Bodies. SC 27 representatives may also participate to inform the discussion of specific agenda items. SC 37 instructs its Secretariat to issue a call for participation in this group.

Duration: This group will exist between SC 37 plenary meetings at which time it may be reconstituted or terminated.

As noted in resolution 3.10a, WG 3 has requested the WG 3 Secretary to forward the following SC 27 documents to the WG 3 experts for comments and contributions as requested by SC 27 (see SC37N6288):

- 17922 Telebiometric Authentication framework using biometric hardware security module (Status: 1st DIS)
- 29134 Privacy Impact Assessment – Methodology (Status: 2nd CD)

- 19989 Security evaluation of presentation attack detection for biometrics (Status: 3rd WD)
- Standing Document on Standards Privacy Assessment

SC 37 instructs the SC 37 SG for communication with SC 27 to meet and to submit its comments on the above drafts to SC 27 prior to February, 26th 2016.

RESOLUTION G.28 – Request for Extension to Limit Dates for ISO/IEC 24779-4

SC 37 instructs its Secretariat to send a request to JTC 1 for a 9 month extension to the limit dates for ISO/IEC 24779-4.

Rationale: Delays due to the graphical symbol issues.

APPRECIATIONS

All approved via acclamation

RESOLUTION A – Host Appreciations

SC 37 expresses its appreciation to the Swiss Association for Standardization, SNV, (in conjunction with Idiap Research Institute) for hosting the SC 37 and WG meetings in Martigny, Switzerland.

SC 37 also expresses its appreciations to Elisa Bovio, *Program Manager & Financial Assistant*, and to Sebastien Marcel, *Head of the Biometrics Group & Senior Research Scientist*, for allowing us to convene at Idiap Research Institute.

The meeting facilities were excellent and all participants very much appreciated the opportunity to meet at Idiap Research Institute, and to visit the beautiful city of Martigny, Switzerland.

RESOLUTION B – Personal Appreciations

SC 37 expresses its appreciation for the hospitality and the support given to the SC 37 delegates. In particular, SC 37 thanks Elisa Bovio and Sébastien Marcel for organizing and supporting the meetings at Idiap Research Institute. Their support in pulling the meeting together has been truly wonderful.

In addition, SC 37 would like to thank all those involved in the meeting preparation and assistance during the week:

- Hervé Bourlard, Idiap Director - herve.bourlard@idiap.ch
- Max Snijder, EAB - snijder@eab.org
- Christoph Busch, EAB - christoph.busch@hig.no
- Alexander Nouak, EAB - alexander.nouak@igd.fraunhofer.de
- Schneider Ruth, SNV - ruth.schneider@snv.ch
- Martine Zwygart, Hasler foundation - martine.zwygart@haslerstiftung.ch
- Hasler foundation board - <http://www.haslerstiftung.ch/en/foundation/foundation-board>
- Marc-Henri Favre, Président de la ville de Martigny
- Oskar Freysinger, Chef du Département de la formation et de la sécurité
- Stefan Bumann, Service des Hautes Ecoles

Without their help the meetings would not have gone as smoothly as they did.

RESOLUTION C – Sponsor Appreciations

SC 37 expresses its appreciation to the following meeting sponsors for providing the funding that made this meeting possible:

- Idiap Research Institute
- Swiss Association for Standardization (SNV)
- Biometrics +
- Ville De Martigny
- Canton Du Valais Kanton Wallis
- Biometrics Evaluation and Testing (BEAT)
- European Association for Biometrics (eab)
- HASLERSTIFTUNG

RESOLUTION D – Appreciation for Social Events

SC 37 expresses its appreciation to all those responsible for the daily lunches and the lovely, evening social event, at Château de Villa – SIERRE. These events were enjoyed by all.

RESOLUTION E - Officer /Editor Appreciations

SC 37 expresses its appreciation to its Conveners, Liaison Officers, Project Editors and Co-Editors. Your hard work and dedication are the reason SC 37 is successful.

RESOLUTION F – Appreciation to the Interim Chair and Secretary

SC 37 expresses its appreciation to its interim Chair, Lisa Rajchel, and its Secretary, Michaela Miller, for another successful meeting.

RESOLUTION G – Appreciation to Chairman

SC 37 sends its best wishes to Fernando Podio for a speedy recovery and hopes to see him in July 2016 in Paris.

