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**Information technology — Extensible
biometric data interchange formats —
Part 16:
Full body image data**

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Contents

	Page
Foreword.....	vi
Introduction.....	vii
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Abbreviated terms.....	10
5 Conformance.....	13
6 Modality specific information.....	13
6.1 Purpose.....	13
6.2 Digital image encoding.....	14
6.3 Photographic requirements and recommendations for white light imaging.....	14
6.3.1 General.....	14
6.3.2 Contrast and saturation.....	14
6.3.3 Focus and depth of field.....	15
6.3.4 Greyscale density.....	15
6.3.5 Colour.....	15
6.3.6 Radial distortion of the camera lens.....	15
6.4 Digital requirements and recommendations for images.....	16
6.4.1 General.....	16
6.4.2 Geometry.....	16
6.4.3 Colour.....	16
6.4.4 Formatting requirements and recommendations.....	16
6.5 Recommendations for full body image data systems.....	16
6.5.1 General.....	16
6.5.2 Architecture.....	17
6.5.3 Usability and accessibility.....	17
6.5.4 Practical applications.....	17
6.6 Full body imaging technical requirements.....	18
6.6.1 General.....	18
6.6.2 Optical distortion.....	18
6.6.3 Colour fidelity.....	18
6.6.4 Example full body photographs.....	19
6.7 Full body photography session.....	21
6.7.1 General.....	21
6.7.2 Typical workflow for full body photography session.....	21
6.7.3 Full body photograph content requirements.....	22
6.8 Photo studio recommendations for full body photography.....	22
6.8.1 General.....	22
6.8.2 Recommended camera orientation and margins.....	23
6.8.3 Recommended positioning and distance between camera and subject.....	23
6.8.4 Recommended focusing settings.....	24
6.8.5 Recommended white balance settings for white light imaging.....	24
6.8.6 Recommended backdrop design.....	24
6.8.7 Example configurations for a photo studio.....	25
6.8.8 Basic fidelity image test for white light imaging.....	26
6.9 Non-white light or multispectral imaging.....	27
6.9.1 General.....	27
6.9.2 Infrared imaging.....	28
6.9.3 Ultraviolet imaging.....	29
6.10 Submillimetre imaging.....	29
6.11 Imaging use cases.....	30
6.11.1 General.....	30

6.11.2	Imaging system baseline use cases	30
7	Abstract data elements	32
7.1	Overview	32
7.1.1	Content and notation	32
7.1.2	Body tree concept	33
7.1.3	Anthropometric data models	36
7.1.4	Structure overview	36
7.1.5	Data conventions	38
7.2	Body image data block	38
7.3	Version block	39
7.4	Representation block	39
7.5	Representation ID	39
7.6	Capture date/time block	39
7.7	Quality blocks	39
7.8	PAD data block	40
7.9	Session identifier	40
7.10	Derived from	40
7.11	Capture device block	40
7.12	Model identifier block	40
7.13	Certification identifier block	40
7.14	Body part number	41
7.15	Pose angle block	42
7.15.1	Yaw angle, <i>Y</i>	44
7.15.2	Pitch angle, <i>P</i>	44
7.15.3	Roll angle, <i>R</i>	44
7.16	Angle data block	44
7.17	Angle value	44
7.18	Angle uncertainty	44
7.19	Landmark blocks	45
7.20	Landmark kind	45
7.21	MPEG-4 feature point	45
7.22	Eye and nostril centre landmark point	45
7.23	Anthropometric landmark for face and body	45
7.23.1	Anthropometric landmark for face	45
7.23.2	CAESAR anthropometric 3D landmark point	46
7.23.3	MPEG-4 body point	49
7.24	Landmark coordinates block	50
7.25	Image representation block	50
7.26	2D image representation block	51
7.27	2D representation data	51
7.28	2D capture device block	51
7.29	Capture wavelength range block	51
7.30	Capture device technology	53
7.31	2D image information block	54
7.32	2D image kind	54
7.33	Post acquisition processing	55
7.34	Lossy transformation attempts	56
7.35	Image data format	56
7.36	Camera to subject distance (CSD)	57
7.37	Sensor diagonal	57
7.38	Lens focal length	57
7.39	Image size block	57
7.40	Image width	57
7.41	Image height	57
7.42	Sampling rate block	57
7.43	Spatial sampling rate	58
7.44	Temporal sampling rate	58
7.45	Image colour space	58

7.46	Reference colour mapping block.....	58
7.47	Reference colour schema	59
7.48	Reference colour definition and value block.....	59
7.49	JPEG EXIF	59
7.50	Forensic findings block.....	60
7.50.1	Forensic observations	60
7.50.2	Link to reports	60
7.50.3	Dynamic range low	60
7.50.4	Dynamic range high.....	61
7.50.5	Dynamic range notes.....	61
7.50.6	Colour fidelity CIELAB a*.....	61
7.50.7	Colour fidelity CIELAB b*.....	61
7.50.8	Colour fidelity notes.....	62
7.50.9	Image sharpness	62
7.50.10	Image sharpness notes.....	62
7.51	3D shape representation block.....	62
8	Encoding.....	62
8.1	Data encoding models.....	62
8.2	Tagged binary encoding.....	65
9	Registered BDB format identifiers	66
	Annex A (normative) Formal definitions	67
	Annex B (informative) Encoding examples.....	81
	Annex C (normative) Conformance testing methodology.....	96
	Annex D (informative) Application profiles	105
	Annex E (informative) Image acquisition measurements.....	111
	Bibliography.....	137

[ISO/IEC 39794-16:2021](https://standards.iteh.ai/catalog/standards/iso/bcd02ad3-fa31-48cf-b8bd-6ff411ac13cd/iso-iec-39794-16-2021)

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 37, *Biometrics*.

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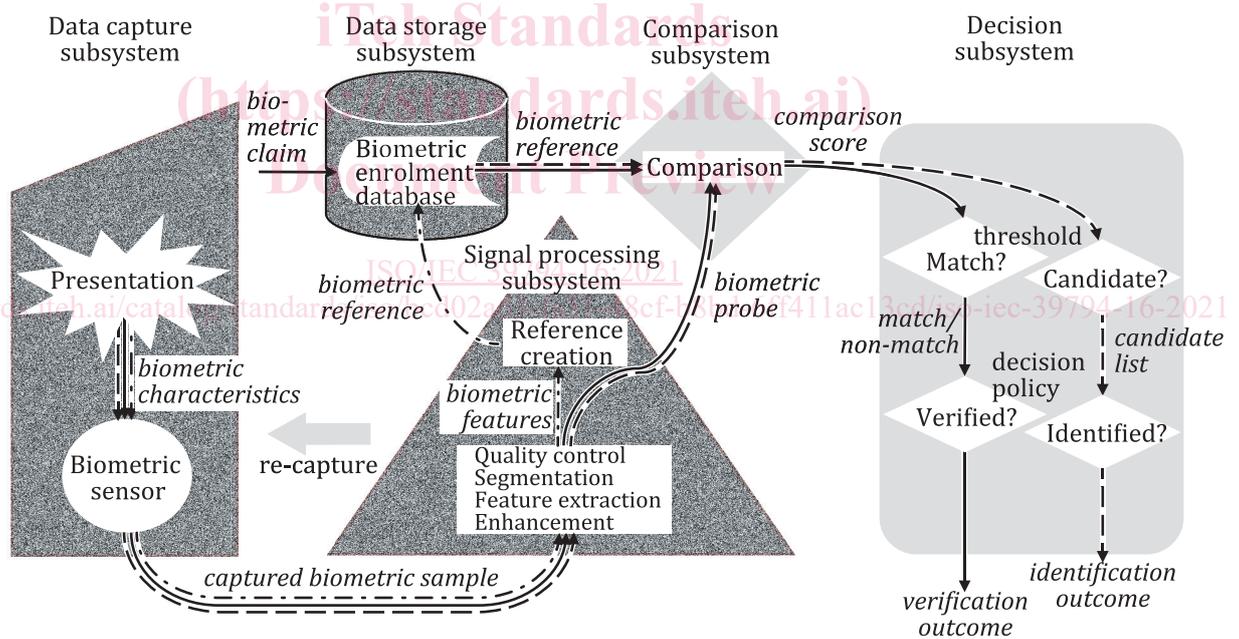
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Introduction

Most countries around the world use biometric recognition systems for law enforcement and border control. Many of these systems are not limited to face recognition purposes. To be consistent in such deployments and processes, technical documents, guidelines and best practice recommendations are being developed by different groups. These documents are primarily focused on the issuance and use of identity documents and related border control systems, and the technical and operational issues to be considered when planning and deploying them. "Face" is the biometric mode most suited to the practicalities of travel documents and automated border processing. "Full body" is a biometric mode that can be used in addition to face (for example, in border-crossing watchlist scenarios, crime surveillance, etc.). Full body can also be used in forensic scenarios.

There is very little guidance covering full body imaging for cross-border or law enforcement biometric recognition purposes. There is a need for guidance for the use of high-quality digital cameras and video surveillance devices, as well as guidance on full body data interchange structure semantics, syntax and format for the collection and use of full body image data in biometric recognition scenarios. A specific extensible biometric data interchange format for cross-border interoperability is required for full body images. Full body image data standardization is required to ensure threshold quality for database images for identification and verification using video surveillance and other similar system-generated images.

Figure 1 illustrates components of a full body image biometric system on a checkered background.



Key

- - - - -> enrolment
- > verification
- - - - -> identification

NOTE Figure 1 shows the information flow within a general biometric system, showing a general biometric system consisting of data capture, signal processing, data storage, comparison and decision subsystems. Each of these subsystems are defined in ISO/IEC 39794-1 in more detail.

Figure 1 — Components of a biometric system