

SC 37(Biometrics／バイオメトリクス)
**WG 1 (Harmonized Biometric Vocabulary/
調和のとれたバイオメトリクス専門用語)**
の最新動向

2014/10/07

SC37/WG1小委員会
主査 溝口正典 (NEC)

Jan.13-17, 2014 Darmstadt WG1会議
Jul.7-11,2014 West Lafayette WG1会議

Convener: Steve Clarke(Australia)

– 主要メンバ: Steve Clarke(AU),
Peter Waggett(UK),
Jim Wayman(UK),
Tony Mansfield(UK)

少人数による集中審議。

日本からの参加は合同WG部分のみ。

– Joint WG2/WG3/WG5 (1日)

– Joint WG5 (半日)

SC 37/WG 1 の活動

- 専門用語集ISO/IEC 2382-37にSD2から定義が
終わったものを追加して改訂版を発行する。
- チュートリアルTR24741を改訂する。

SC 37/WG 1 の開発プロジェクト

1. ISO 2382-37: 2012、Revision
Information Technology – Vocabulary – Biometrics 、専門用語集
Editor: Peter Waggett (UK)
2. Standing Document 2:
Harmonized Biometric Vocabulary、専門用語集
Editor: Peter Waggett (UK)
3. TR 24741:2007、Revision
Biometrics Tutorial、チュートリアル
(SD11: Part1 Harmonizationを統合)
Editor: Tony Mansfield (UK)

WG1 最新文書

Winchester会議審議文書	タイトル	最新文書	期限
Standing Document 2,	Harmonized Biometric Vocabulary	Version 20はまだ出ていない (37N5892 SD2 Version 19)	11/21
ISO/IEC 2382-37:2012, Revision	-Vocabulary- Biometric	1stCD 37N6048	12/16
ISO/IEC TR24741:2007, Revision	Biometrics Tutorial	2 nd WD WG1N10	11/21
Standing Document 14-1 WG1 Roadmap	WG1 Roadmap	(37N5890 SD14-1)	11/21

ISO/IEC 2382-37:2012 Revision 1stCD投票案(1/4)

- SD2から定義の固まったものを追加した改訂した見出し語

acceptable biometric capture attempt,
 acceptance,
 acquire,
 anonymized biometric data record,
 authentication,
 aware,
 biometric,
 biometric acquisition process,
 biometric applicant,
 biometric application database,
 biometric application decision,
 biometric attendant,
 biometric avoidance attack,
 biometric avoider
 biometric candidate,
 biometric candidate list,
 biometric candidate score,
 biometric capture
 biometric capture device,
 biometric capture process,

biometric distorter,
 biometric representation
 biometric capture subject,
 biometric capture subsystem,
 biometric character
 biometric characteristic,
 biometric characteristics examiner,
 biometric claim,
 biometric concealer,
 biometric concealment attack,
 biometric data,
 biometric data record,
 biometric data subject,
 biometric database,
 biometric distortion attack,
 biometric enrolment,
 biometric enrollee,
 biometric enrolment data record,
 biometric enrolment database,
 biometric false acceptance,

ISO/IEC 2382-37:2012 Revision

1stCD投票案(2/4)

biometric false rejection,
biometric feature,
biometric feature extraction,
biometric fidelity
biometric identification,
biometric identification decision,
biometric identification system,
biometric imposter attack,
biometric mated comparison trial,
biometric model,
biometric non-mated comparison trial,
biometric operational personnel,
biometric performance,
biometric presentation,
biometric presentation attack,
biometric presentation attack method
biometric probe,
biometric property,
biometric query,
biometric recognition,
biometric reference,
biometric reference adaptation,

biometric reference data record,
biometric reference database,
biometric reference identifier,
biometric reference ratio
biometric sample,
biometric search,
biometric system,
biometric system operator,
biometric system owner,
biometric template,
biometric utility,
biometric verification,
biometric verification decision,
biometric verification system,
biometrics,
capture attempt,
capture subject habituation
capture subject training,
capture task,
capture transaction,
captured biometric sample,
claimant,

ISO/IEC 2382-37:2012 Revision

1stCD投票案(3/4)

cognizant,
cognizant presentation,
comparison,
comparison decision,
comparison score,
comparison trial,
compliant
conformant biometric reference ratio,
conformant capture attempt,
cooperative
cooperative biometric capture
cooperative presentation
dissimilarity score,
duplicate biometric enrolment check,
enrol,
enrolment eligibility ratio
failure to acquire,
failure to acquire rate,
failure to capture,
failure to enrol,
failure to enrol rate,
false biometric claim,

false match,
false match rate,
false non-match,
false non-match rate,
filter (v)
fraudulent biometric enrolment data record,
identify,
identity concealer,
impostor,
Indifferent biometric capture subject,
Indifferent presentation,
intermediate biometric sample,
intermediate biometric sample processing,
match (n),
mated (adj),
mode,
multi-modal,
negative biometric claim,
non-cognizant presentation
non-conformant capture attempt
non-match (n),
non-mated (adj),

ISO/IEC 2382-37:2012 Revision

1stCD投票案(4/4)

non-subversive biometric capture subject
non-subversive user,
one-to-many comparison,
one-to-many search,
one-to-one comparison,
positive biometric claim,
quality
quality score
re-enrolment,
reference ageing
similarity score,
subversive biometric capture subject,
subversive user,
system participation ratio,
threshold,
threshold (v),
true biometric claim,
true system acceptance,
true system rejection,
unacceptable capture attempt,
unaware presentation
uncooperative biometric capture subject

uncooperative presentation,
unidentified biometric data,
user (of a biometric system),
verified biometric claim,
verification attempt,
verification transaction,
verify,

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9

SD2 の状況(1/2)

- SD2 Ver.20 はまだ出ていない。
(実体はPowerPointのファイル)
- SD2 V19(37N5892)のPDFはコンセプトマップだけで
150ページ。数ページ追加された模様。
- Artefactの審議
 - Biometric artefact (偽造人工物)
 - Biometric artefact series
(同一材料、同一方法、同一ソース)
 - Biometric artefact species (ソースが複数)

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10

SD2 の状況(2/2)

- Attack Potentialの審議

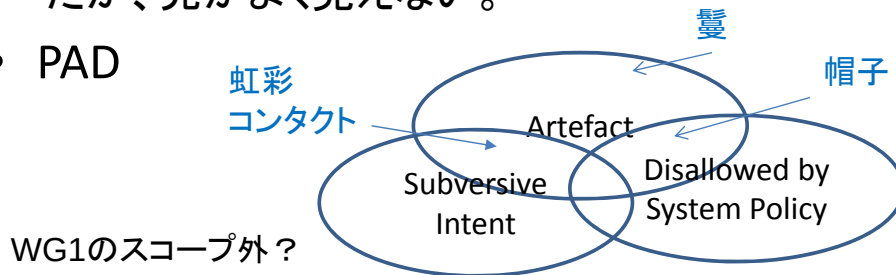
定義がいくつかあるが、CCの定義を採用すべきとなった

(CC v3.1R4) measure of the effort to be expended in attacking a TOE, expressed in terms of an attacker's expertise, resources and motivation

- error rateについて議論

30107 PAD, 30136 テンプレート保護で新しいものが出そうだが、先がよく見えない。

- PAD



TR24741 チュートリアル コメント要請事項

1. SD 11 は TR24741 へ統合された。
2. 下記の節のレビューが求められている
 - インターフェース
 - セキュリティ
 - プライバシー
 - アプリケーション事例の削除、修正、追加

まとめ

- ISO/IEC 2382－37 の改訂 (CD->DIS->FDIS)
- SD11はTutorialに統合
- Joint WG会議での審議分野
 - － WG3 30107 Presentation Attack 関連用語
 - － WG5 性能評価 関連用語