

ENISA WORKSHOP
REMOTE VIDEO IDENTIFICATION: ATTACKS AND FORESIGHT

HOW TO ENSURE QUALITY/SECURITY/ASSURANCE FOR MODERN VIDEO IDENT SOLUTIONS

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How to ensure quality/security/assurance for modern video-ident solutions

I. Where we come from

II. Todays challenge and solutions

III. Future

How to ensure quality/security/assurance for modern video-ident solutions

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I. Where we come from

ID Process was typically segregated in

- a) data acquisition and ID document validation
- b) officer (human) based identification of person
- c) ID storage
- d) ID usage under owners sole control (multiple use cases)



STATIC
Ident-Process

I. Where we come from

Quality/security/assurance was designed,
applied and monitored along the static process.

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Quality/security/assurance measures remained reasonably static themselves!

Consequence

- traditional quality/security/assurance monitoring did the job



process security-, quality-, assurance- management

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II. What's today's challenge?

AI supported integrated ID Process

- a) ident data acquisition, validation, face recognition and liveness detection
- b) ident-data storage
- c) ident data usage under owners sole control (multiple use cases)



II. What's today's challenge?

- core process elements are constantly changing
(e.g. AI implementation in DL algorithms)
- quality/security/assurance measures constantly to be adopted

Questions

- can dynamic processes be operated at high quality/security/assurance levels?
- how to adopt?

II. Solutions!

Dynamic process quality/security/assurance management required

How to?

- key performance indicators (kpi) for quality/security/assurance
- input/output monitoring
- attack and technology related scientific research
- technology inherent weakness coverage (e.g. AI: dl-algorithm, training material, etc...)

Install and operate ID-process specific management system!
(attn: significantly different from general ISMS!)

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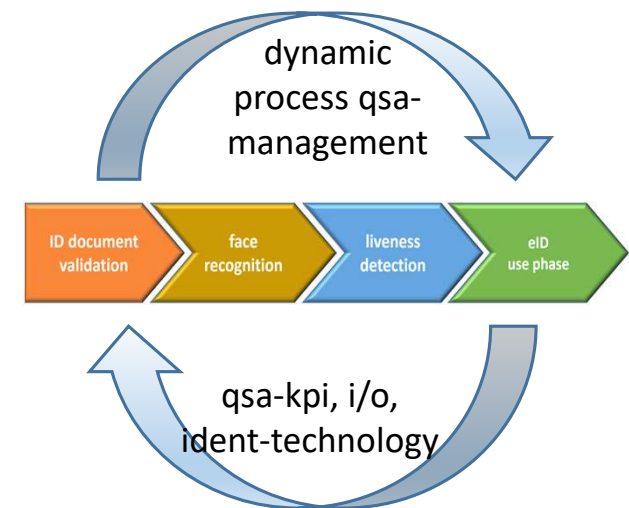
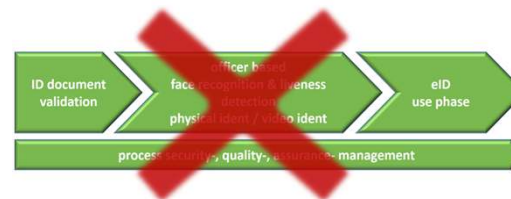
II. Solutions!

Hybrid approach, incorporating established...

- standards (e.g. ETSI TS 119 461, ...)
- biometrics testing (e.g. ISO/IEC 30107-3, ...)

and

dynamic process quality/security/assurance management!



DYNAMIC
Ident-Process

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III. Future of “Good practices for remote identity”

- how will video ident evolve?
- will traditional video ident solutions remain after eID are in place?
- effect of eIDAS2 EU citizens wallet on video ident solutions?

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eIDAS eID schemes and Trust Services



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