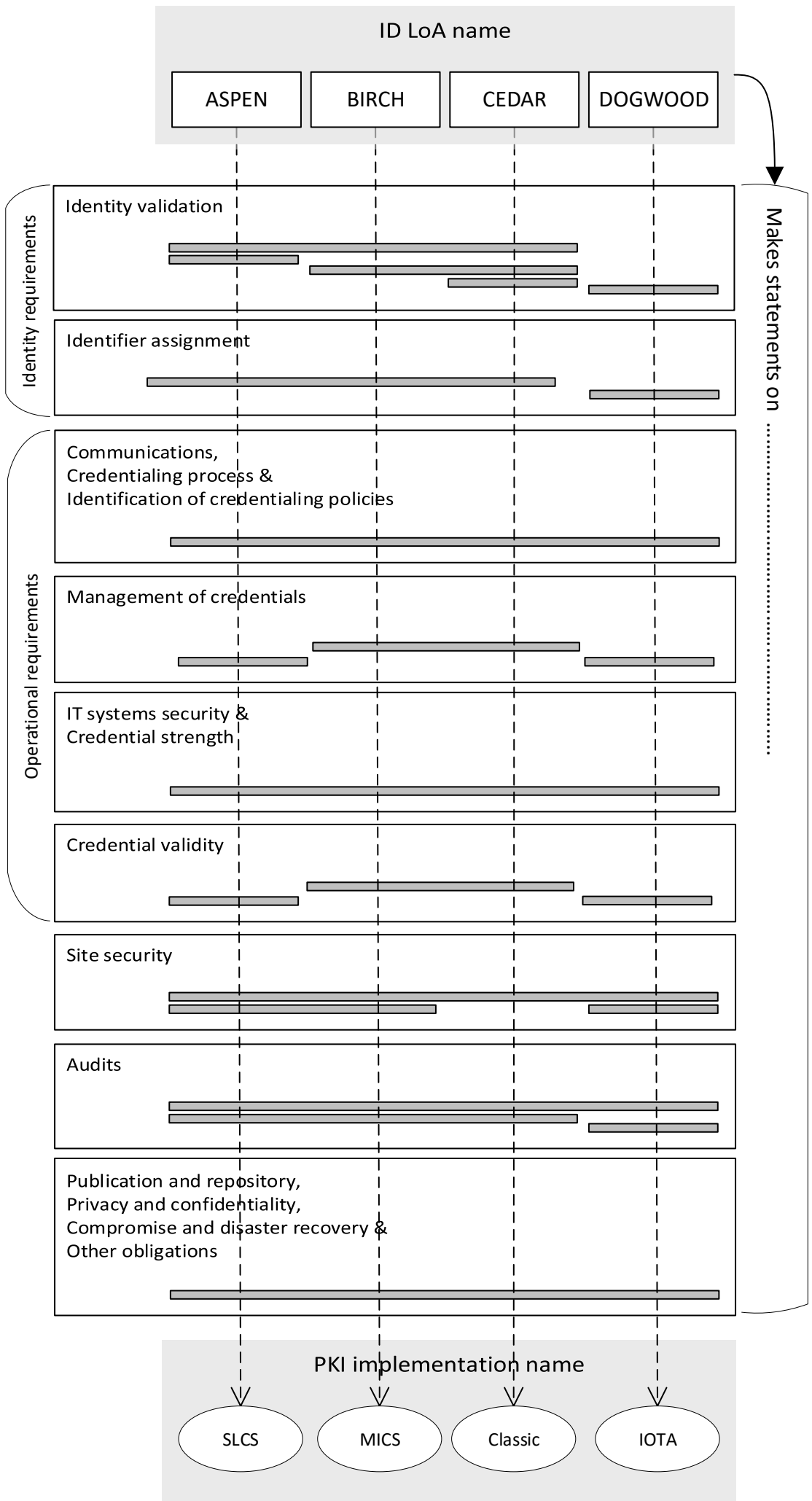


# IGTF Levels of Authentication Assurance



# REFEDS Assurance Framework

## Identifier uniqueness

- eduPerson - eduPersonUniqueid
- OASIS SAML - persistent name id
- OASIS SIA - subject-id or pairwise-id
- OIDC - sub (type: public or pairwise)

- eduPerson - eduPersonPrincipalName

single natural person

CSP can contact

eppn reassignment

no-reassign

reassign-1y

identifier never reassigned



## IdProofing

Low

Medium

High

## Attribute quality and freshness

1 month

1 day

Profile name

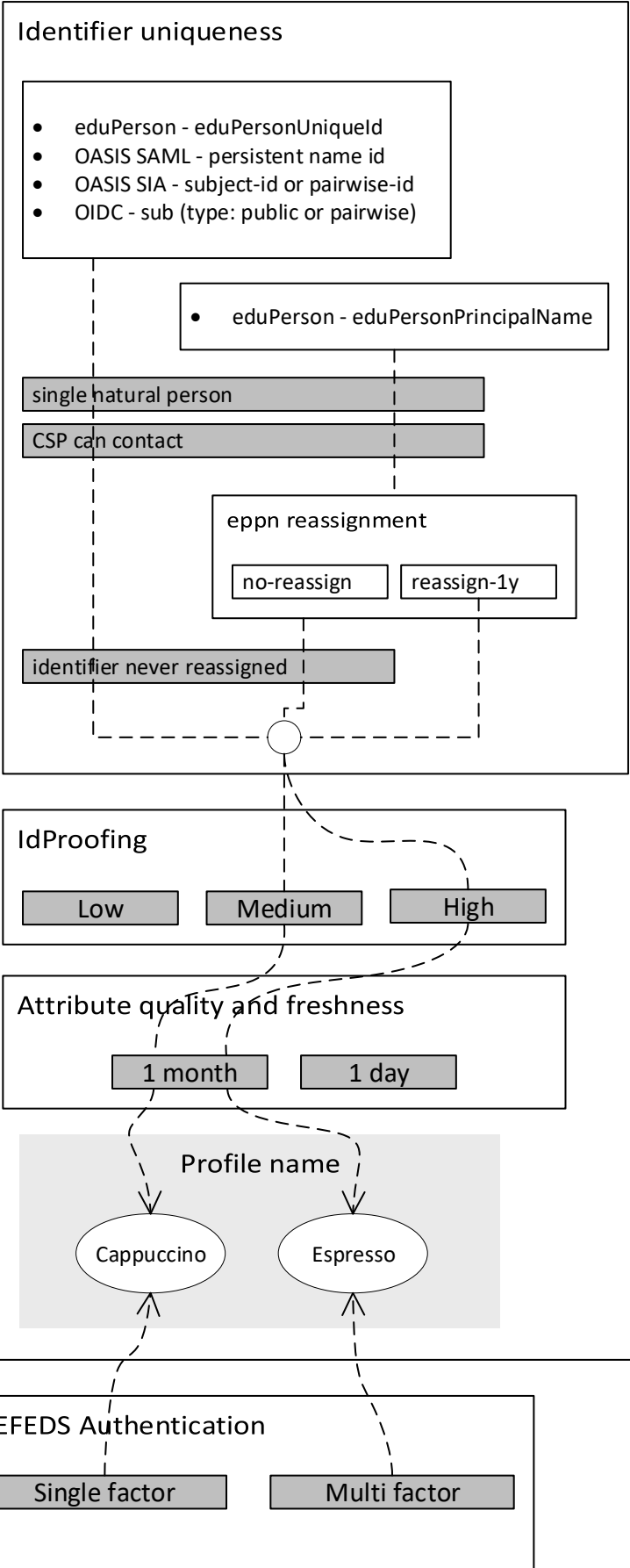
Cappuccino

Espresso

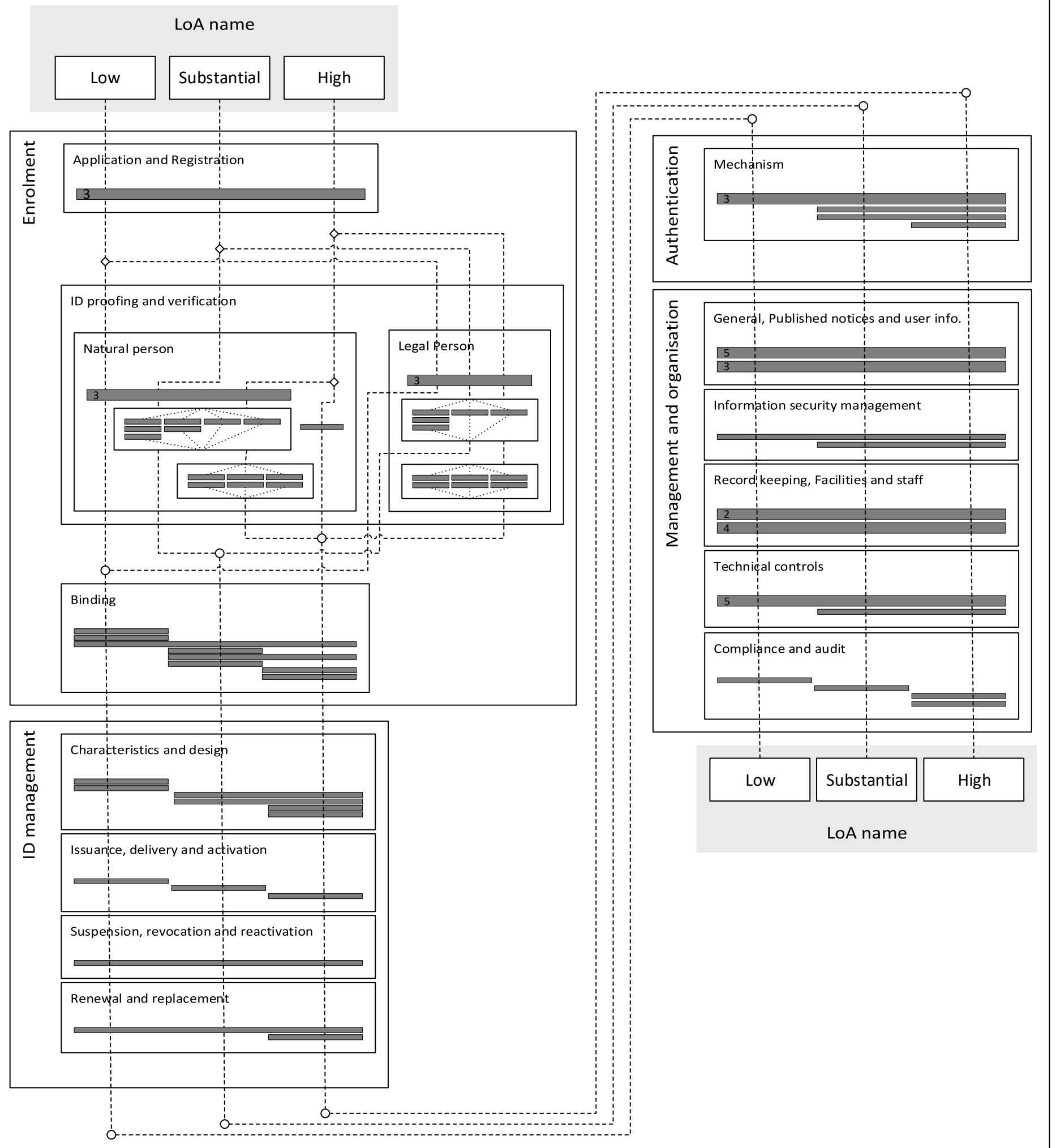
## REFEDS Authentication

Single factor

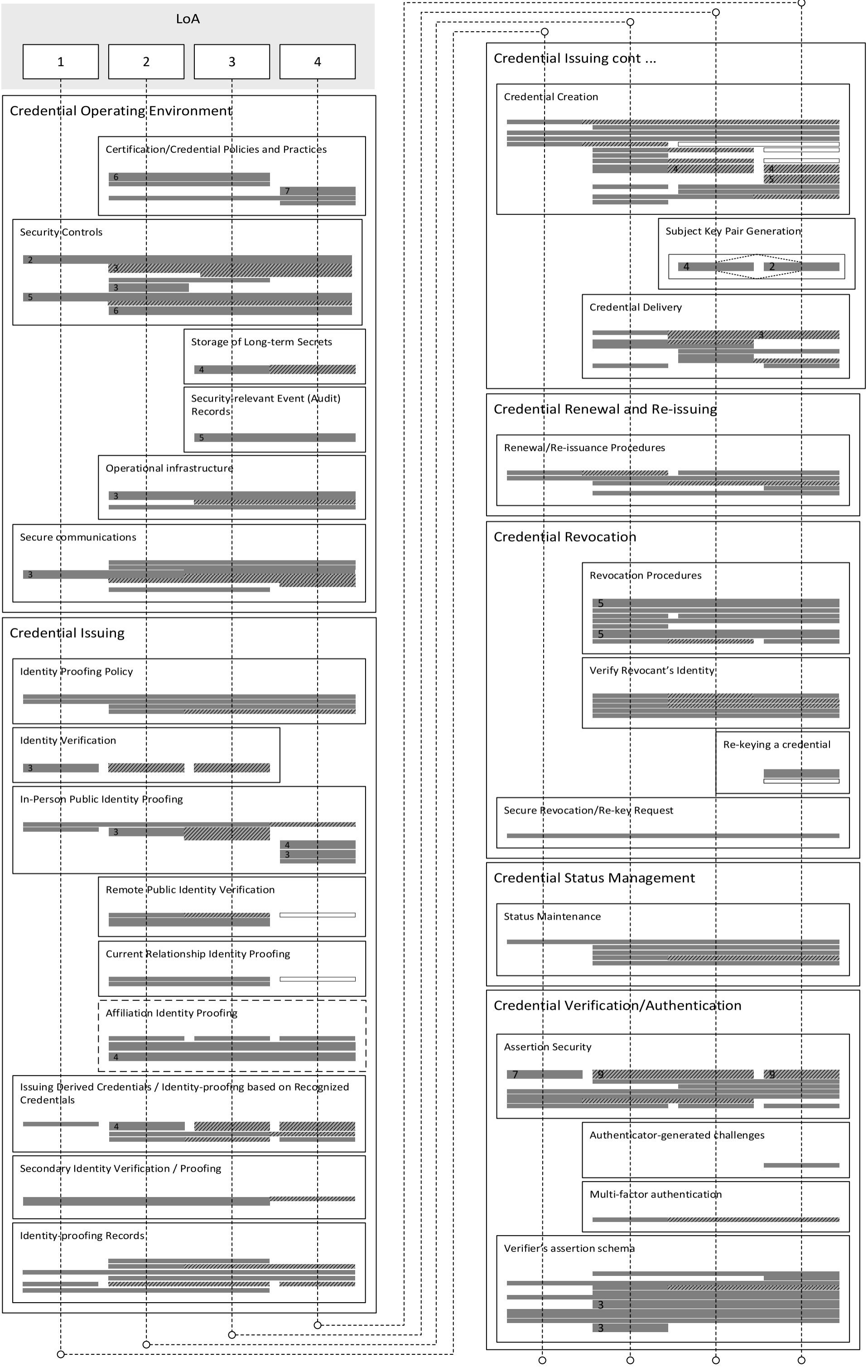
Multi factor



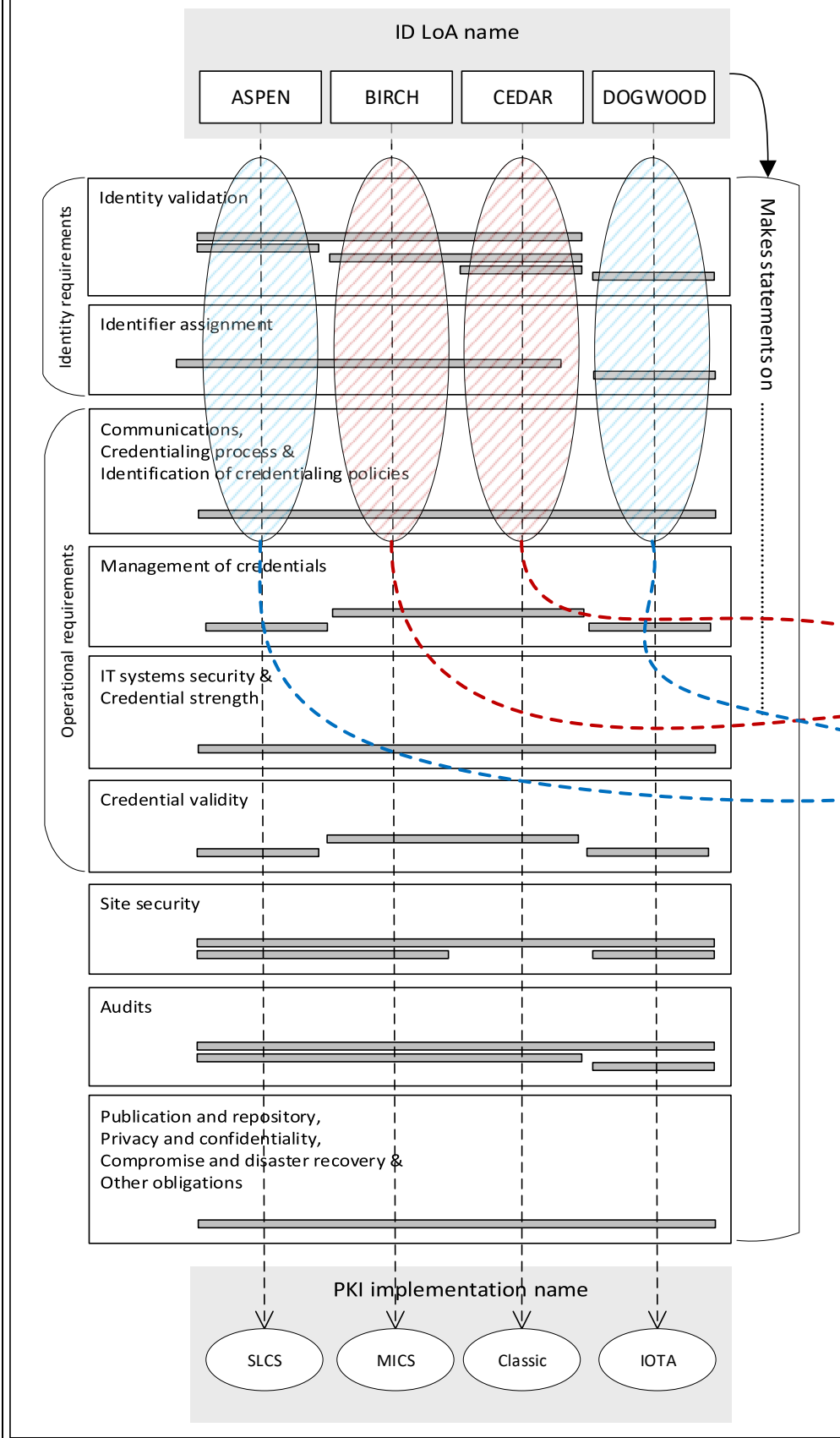
# eIDAS - electronic identification, authentication and trust services



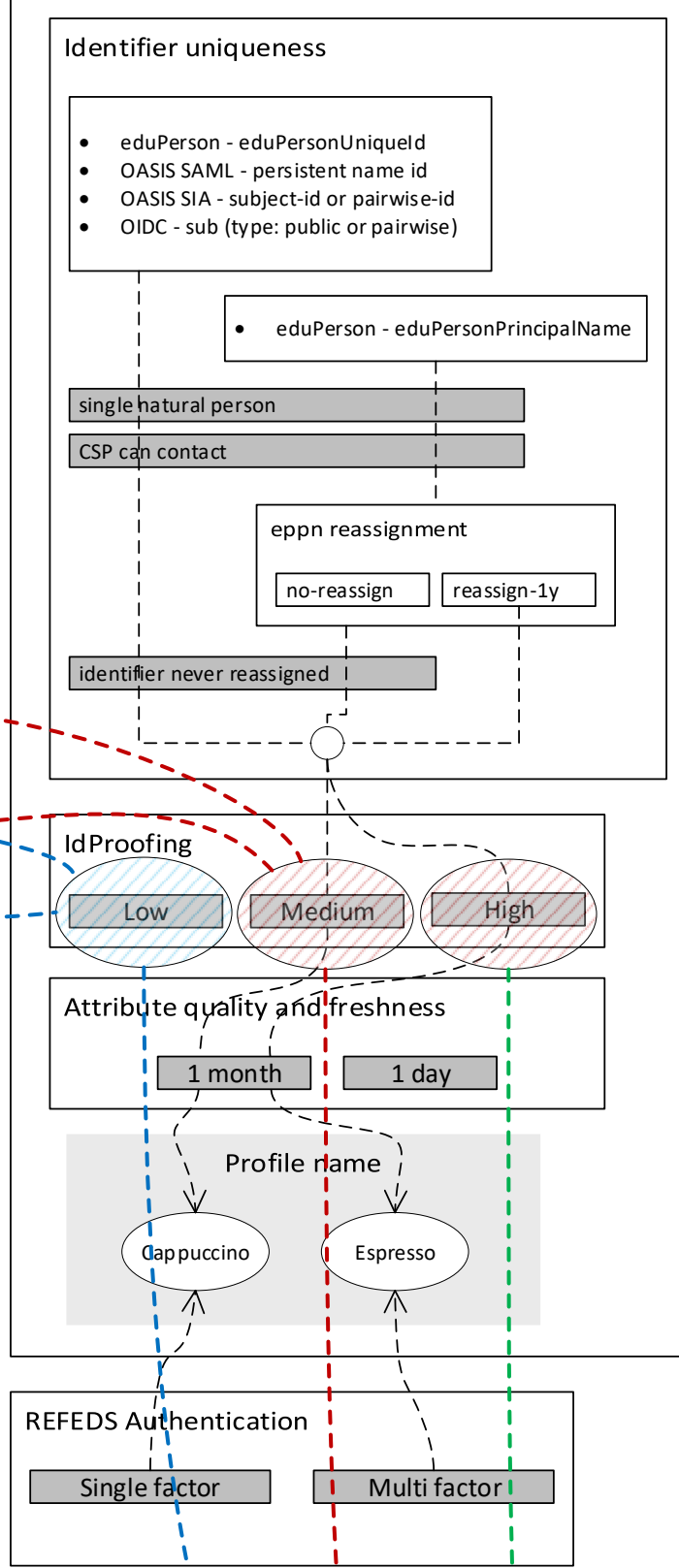
# Kantara Identity Assurance Framework: - KIAF-1420 (OP-SAC)



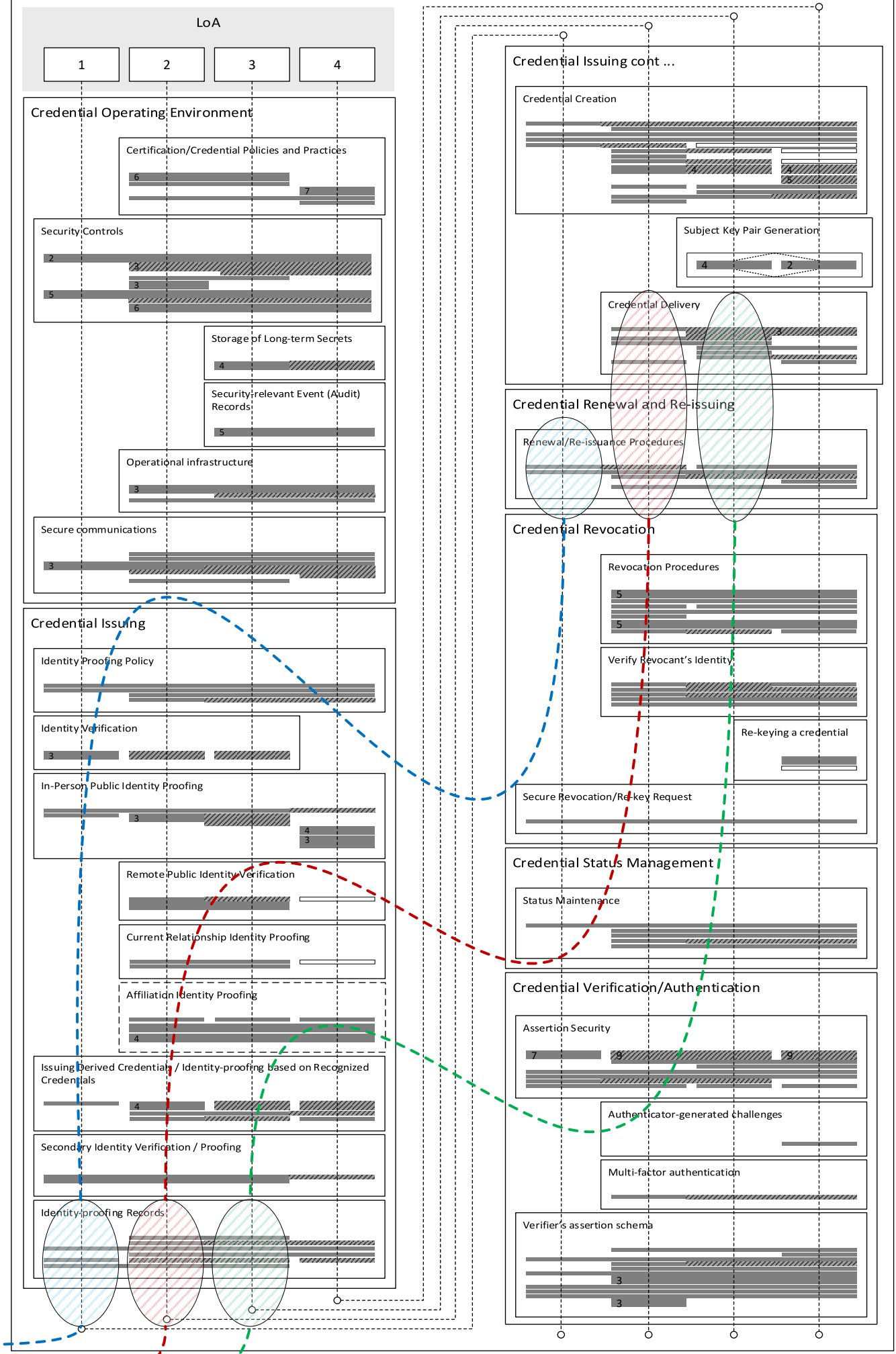
# IGTF Levels of Authentication Assurance

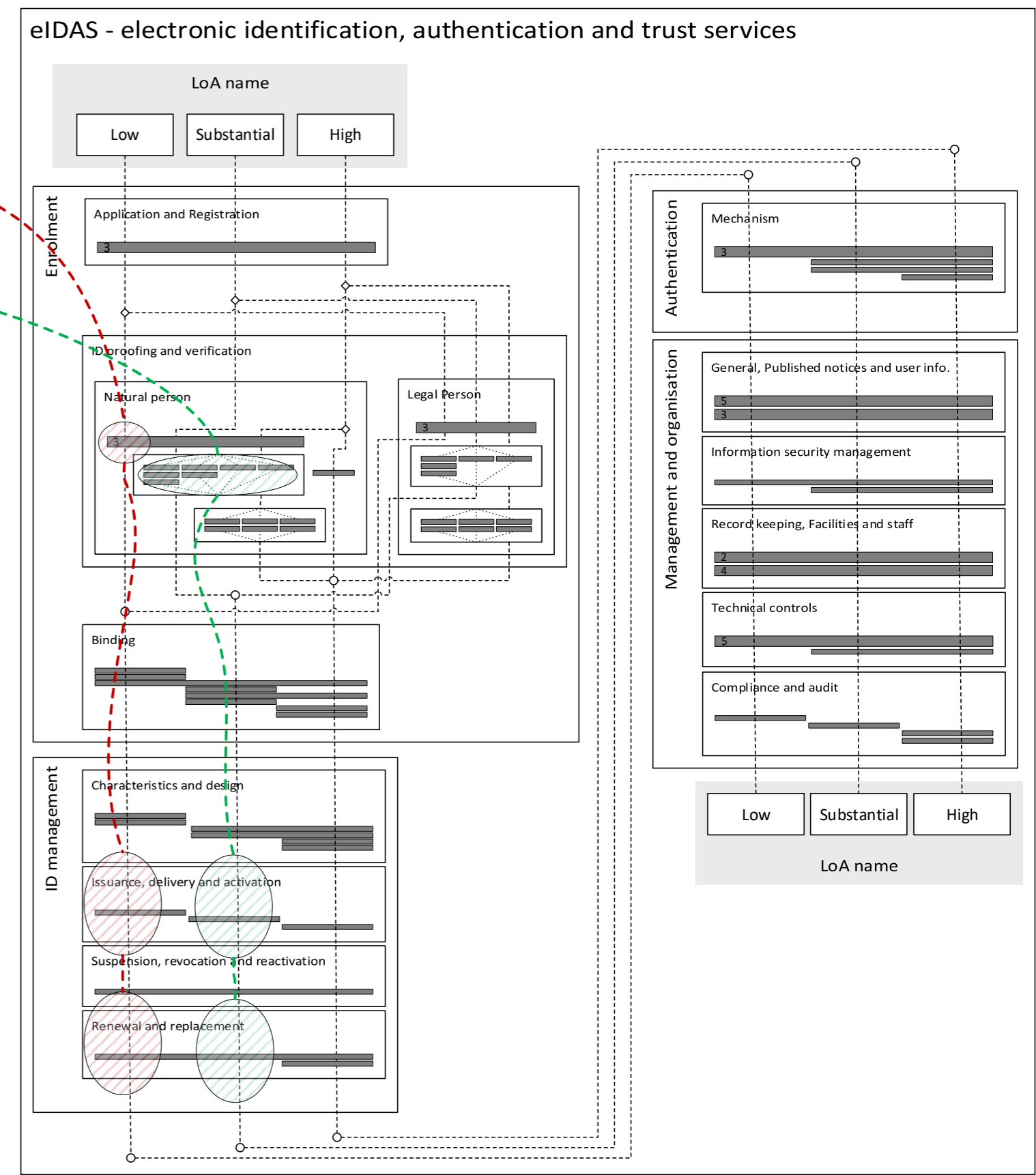
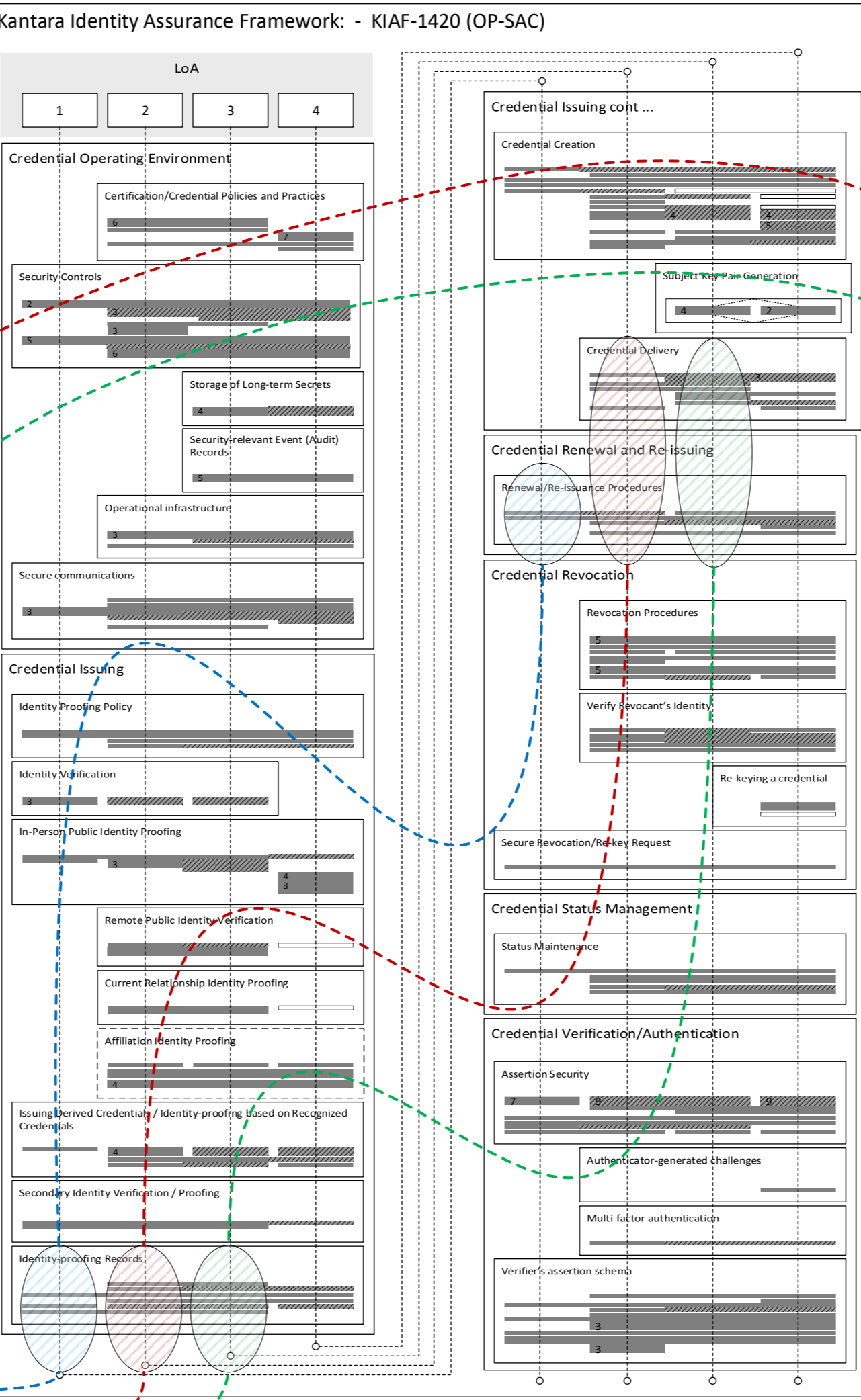
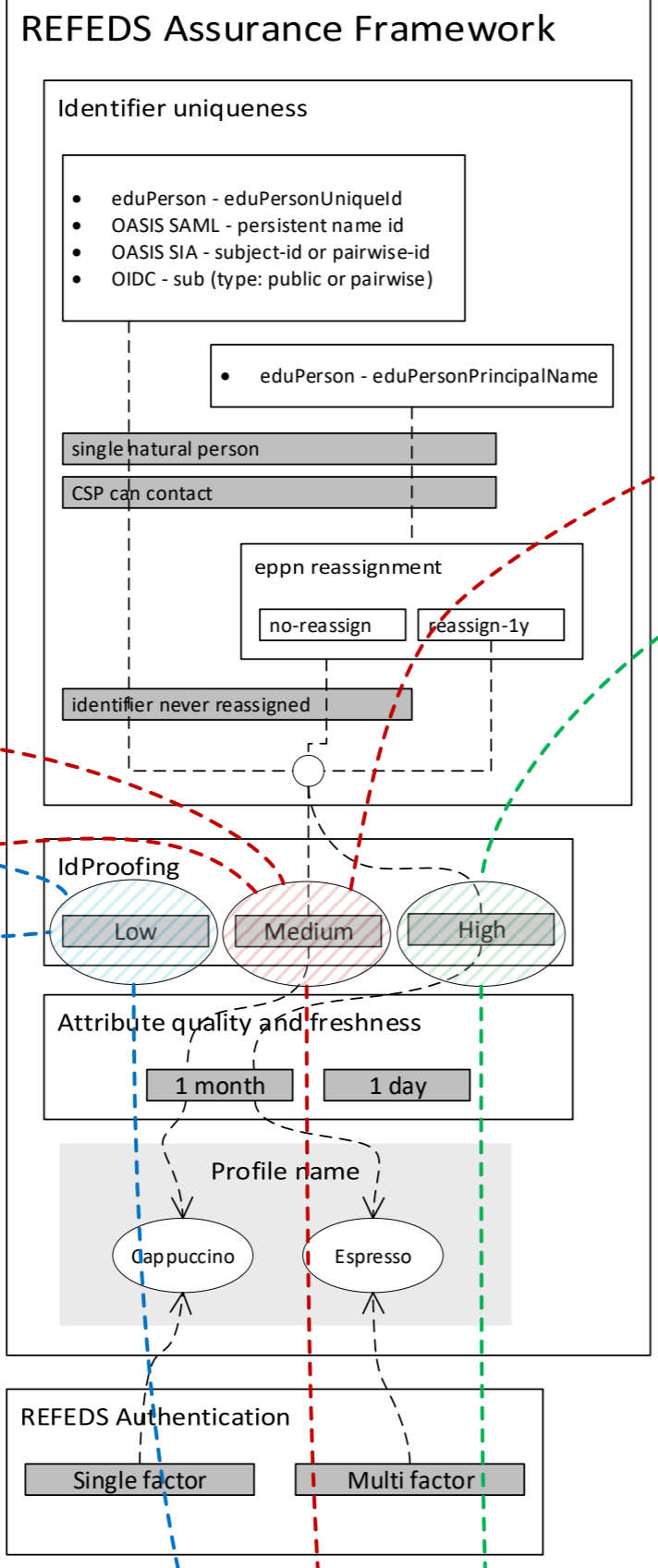
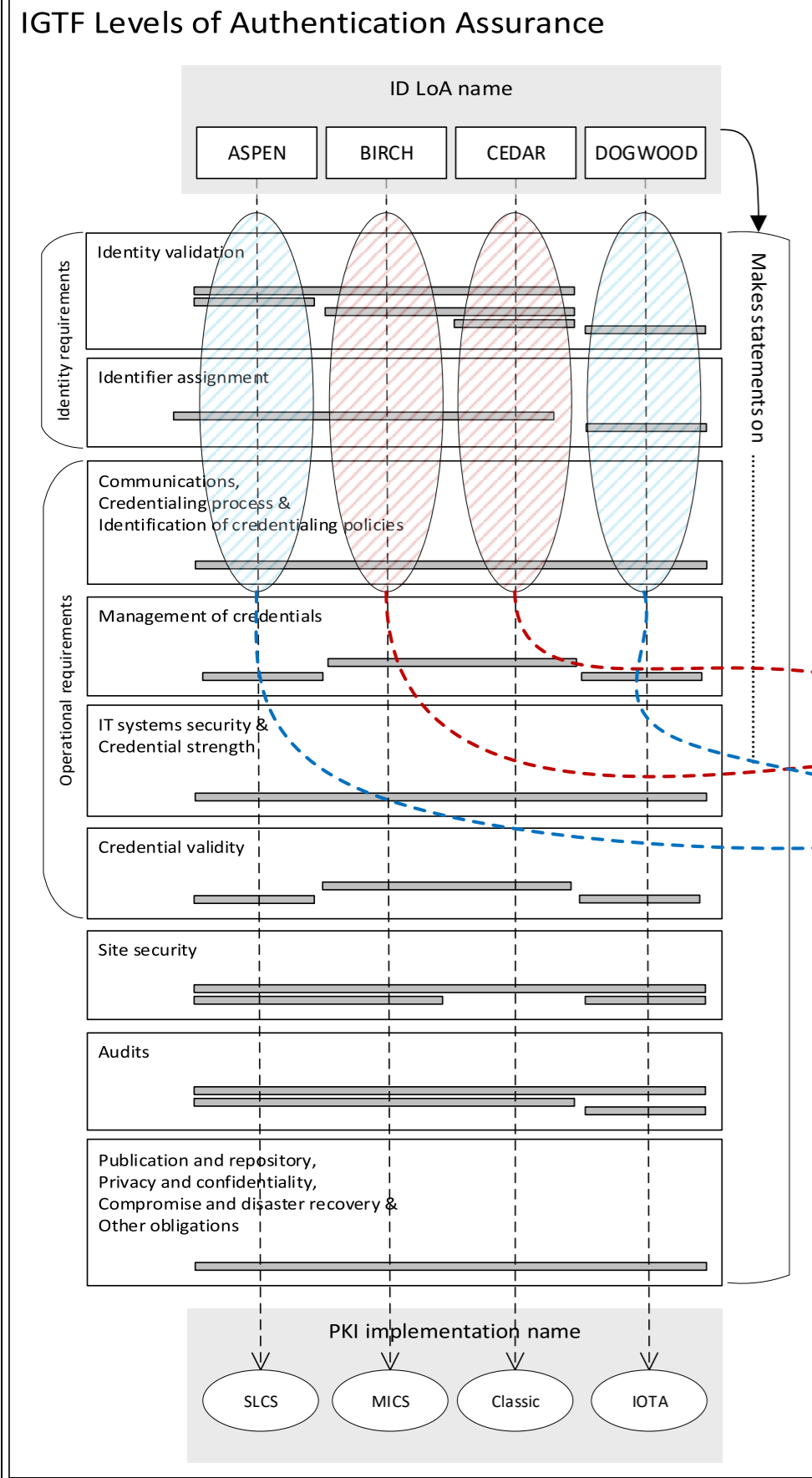


# REFEDS Assurance Framework



# Kantara Identity Assurance Framework: - KIAF-1420 (OP-SAC)





## Assurance Spaghetti (v1 Feb 2019)

Drawn by Ian Neilson (UKRI-STFC) as part of the AARC2 NA3 team encouraged by David Groep

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