

Remote Vetting Models Considerations

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Background

- Necessity of remote identity vetting of users
 - Anyone can apply a project proposal to the HPCI
 - researcher who do not live in Japan nor belong to organization located in Japan
 - We need to vet the identity of foreign users if their proposal is accepted by the HPCI selection committee
- Problem
 - How does the HPCI vet the identity of user who do not live in Japan ?
- Issue
 - We need to establish methods of remote identity vetting of users.
- Possible methods
 - remote identity vetting with live video
 - using credential in cooperation with CAs

Directly Face-to-Face Identity Vetting

- What RA/IdM personnel are doing is
 - prepare the registered user information to be vetted
 - check whether the presented “photo-ID” card is valid
 - confirm that the photo printed on the ID card is the user who is in the front of the personnel
 - confirm that the data printed on the ID card agree with the already registered data

Validity of Photo-ID

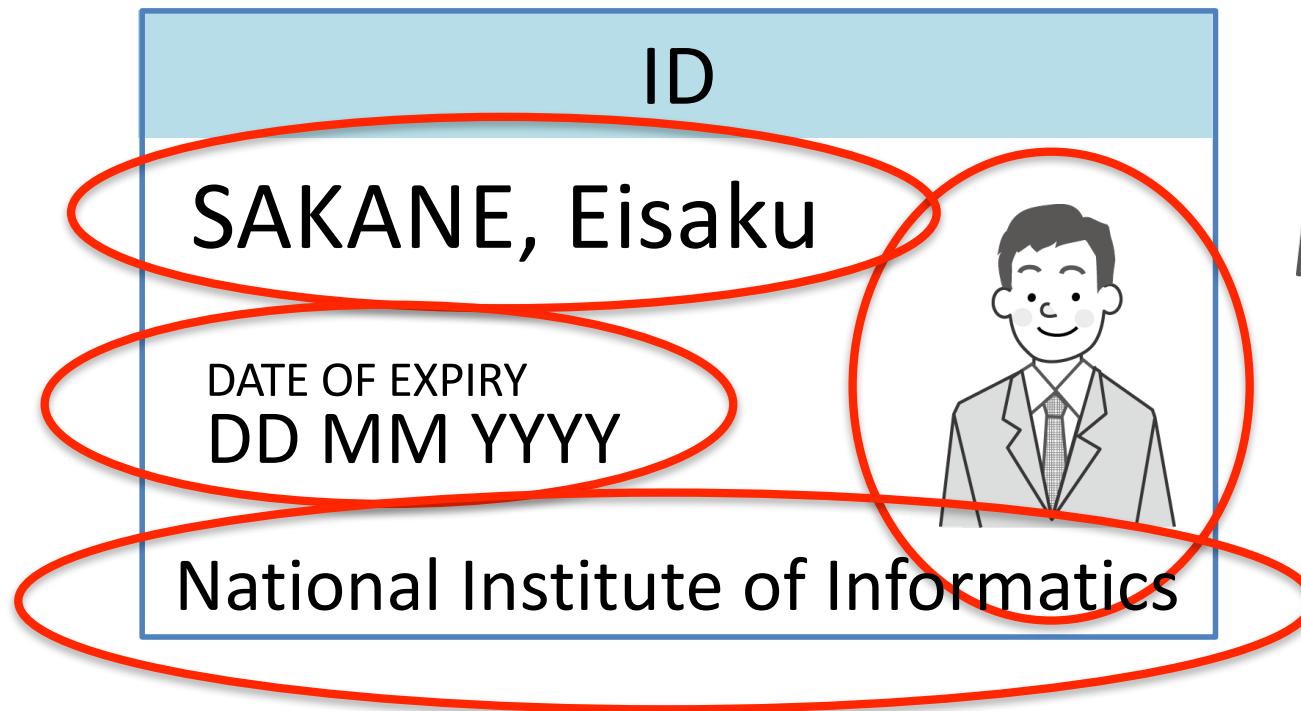
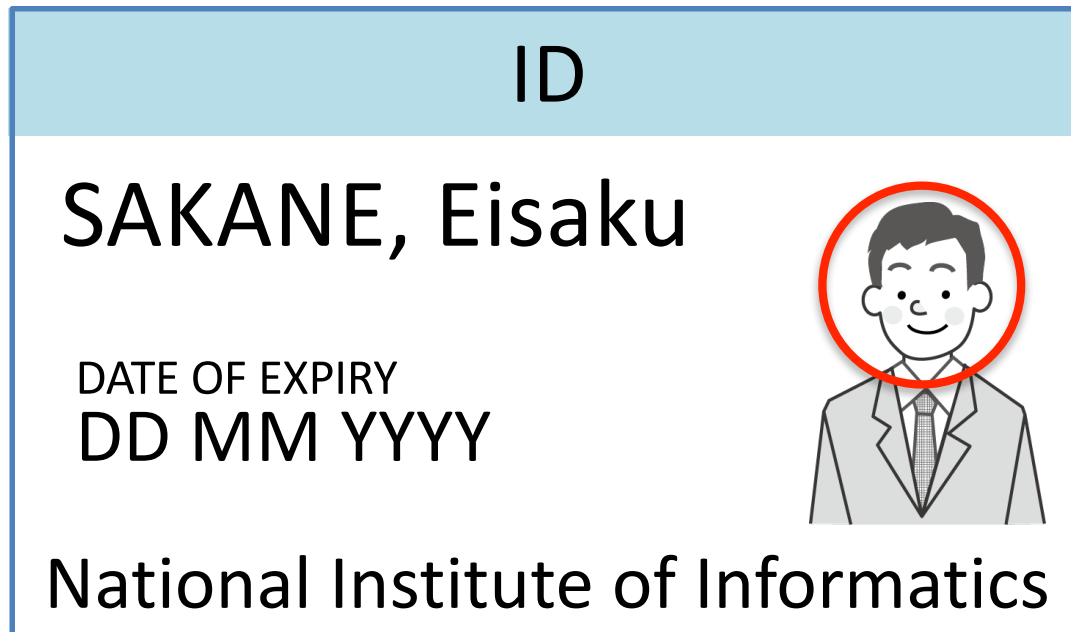


Photo-ID does not expire.

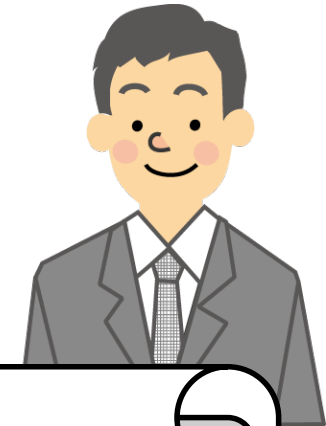
All necessary data are printed on the photo-ID

Checking Photograph



RA/IdM personnel confirm that the photo printed on the ID card is the user who is **in the front of** the personnel.

Checking Data



ID

SAKANE, Eisaku

DATE OF EXPIRY
DD MM YYYY

National Institute of Informatics

- Surname:
SAKANE
- Given name:
Eisaku
- Affiliation:
National Institute
of Informatics

Personnel confirm that the data printed on the ID card agree with the already registered data

A Remote Vetting Model

- Requirement
 - A Remote Vetting Model should be essentially equivalent to directly face-to-face vetting

Remote Vetting



Validity of Photo-ID in Remote Vetting

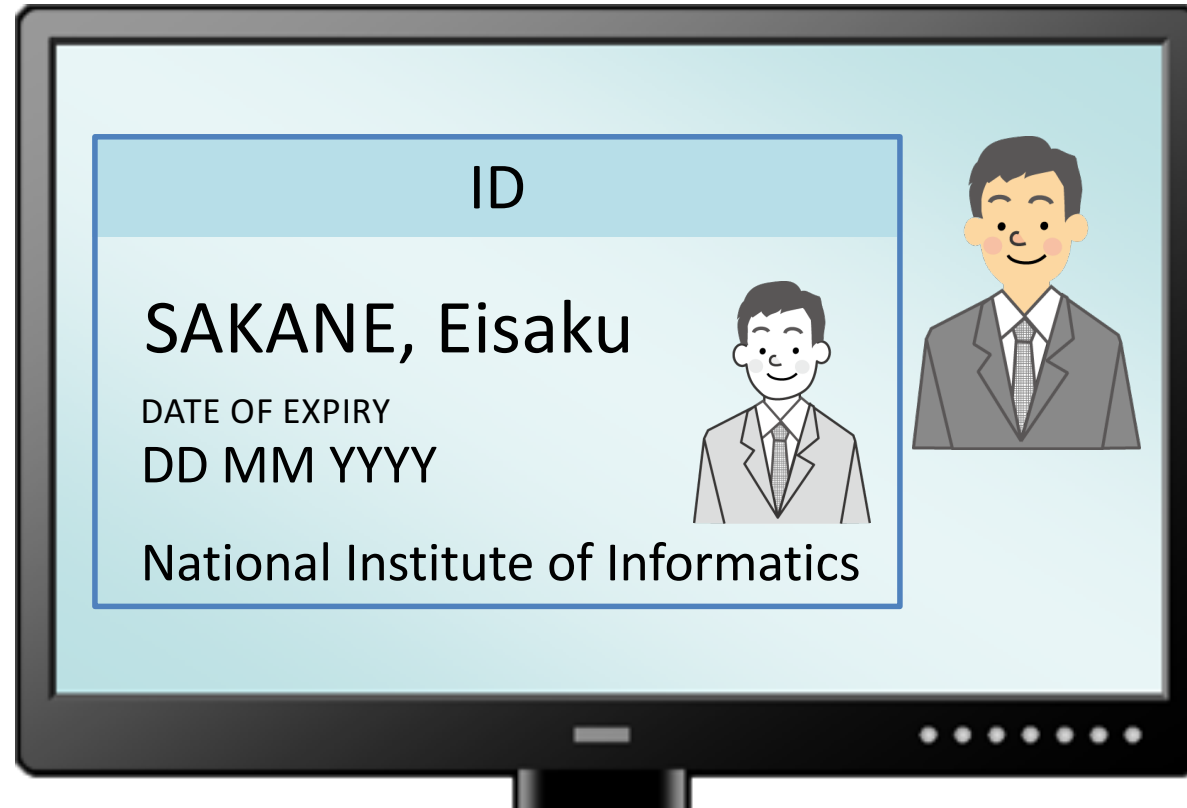
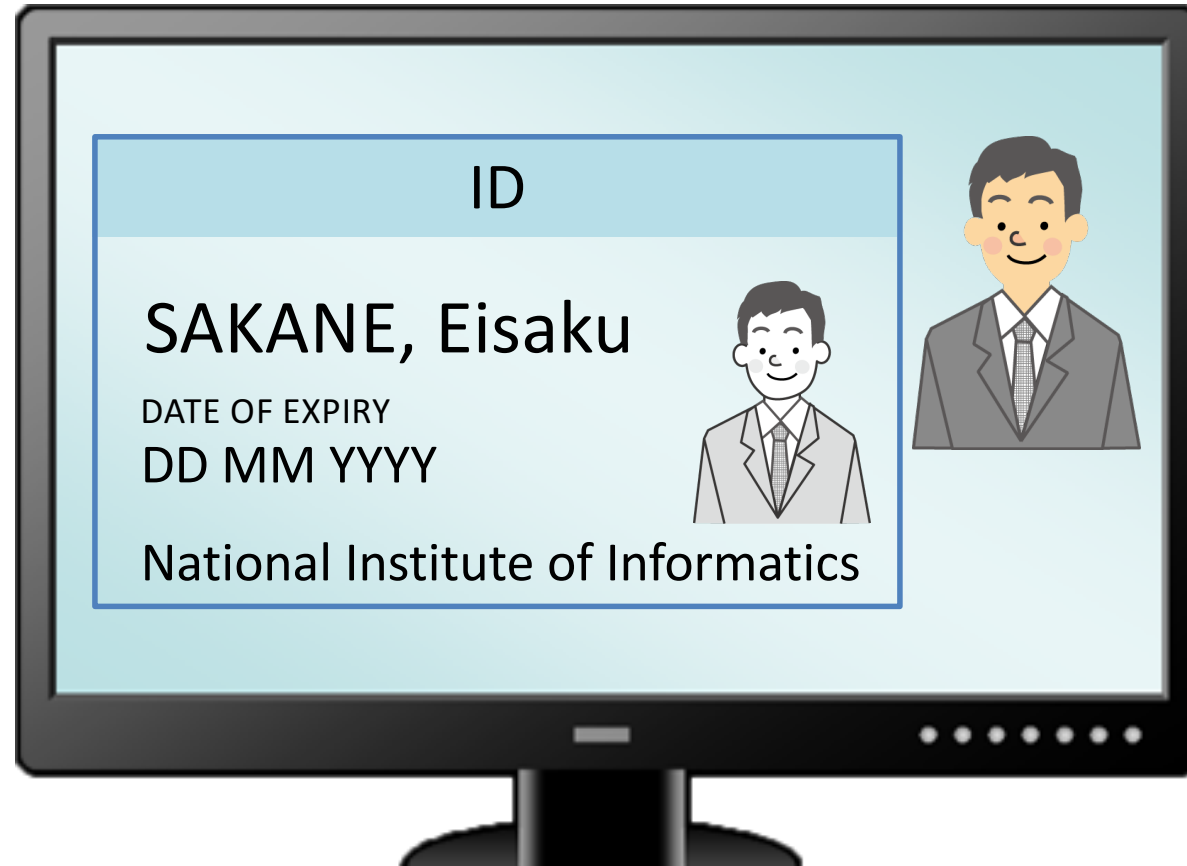


Photo-ID does not expire.

All necessary data are printed on the photo-ID

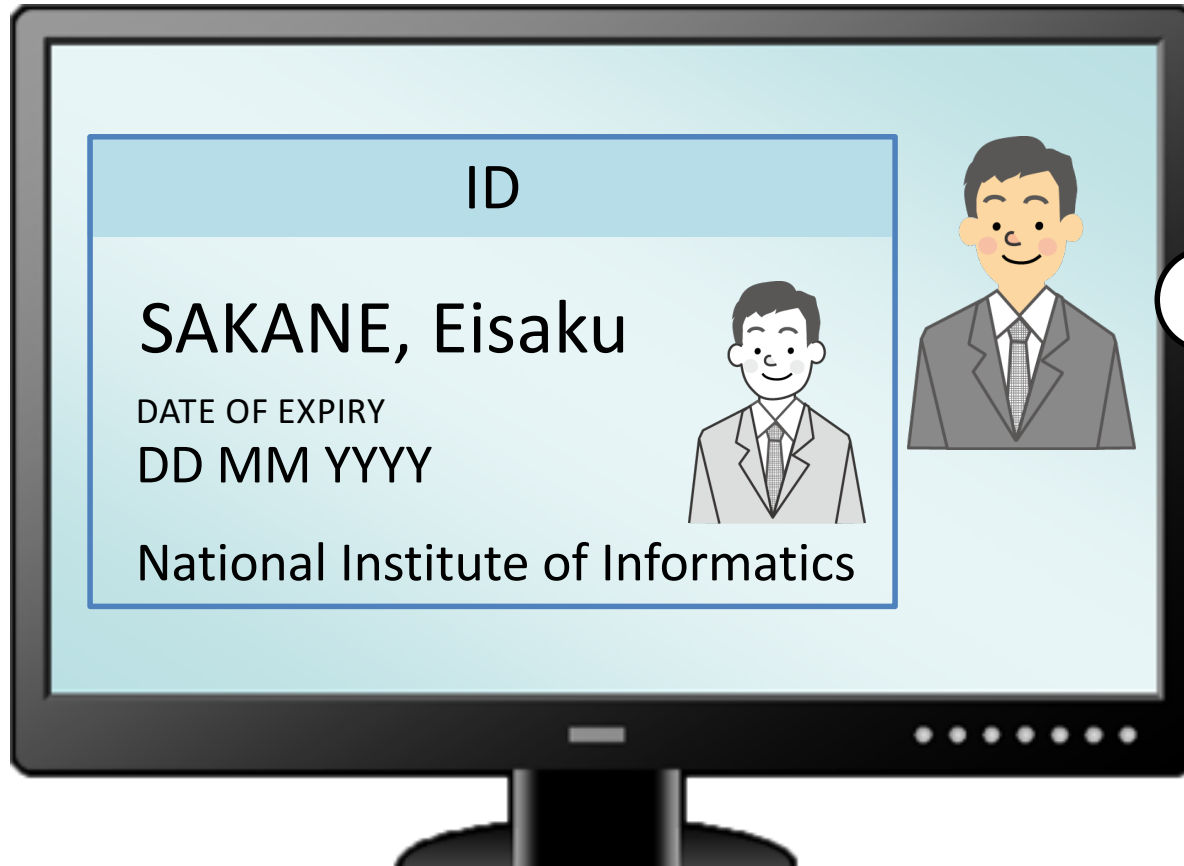
Can the personnel confirm the above correctly ?

Checking Photo in Remote Vetting



Can the personnel confirm the photo correctly ?

Checking Data in Remote Vetting



- Surname:
SAKANE
- Given name:
Eisaku
- Affiliation:
National Institute
of Informatics

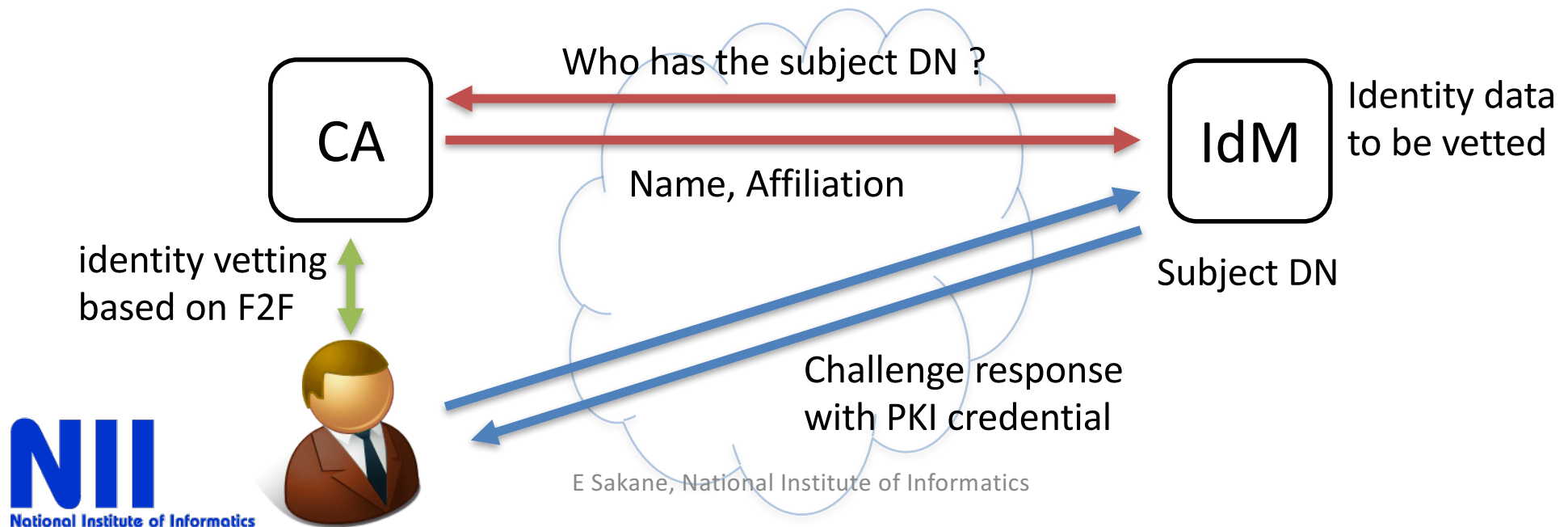
Can the personnel confirm the data correctly ?

Discussion

- Getting the copy of photo-ID beforehand
 - However, there is the possibility of camouflage because it is **not original but a copy...**
 - How much can we permit the possibility ?
- We need to discuss more about each operation...

Using PKI Credential

- Basic Idea
 - challenge response between applicant and IdM
 - the IdM makes reference to the CA issuing the applicant's certificate for his/her identity data
 - After confirming correctly, the IdM consider the applicant's identity to be confirmed



Summary

- This talk presents remote vetting models
 - dividing face-to-face vetting into fundamental operation
 - giving the questions / issues
- Need more time to consider these models...
- Future plan
 - We continue to discuss remote vetting model with live video
 - We plan to submit a remote vetting model using PKI credential as a contribution to ISGC 2017

