

Update of my number card in Japan

NICSS: Next generation IC card System Study group

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Personal ID number ACT

- The new regulation (My number act) was approved by the parliament on 24th of May, 2013
- Based on this act, every resident in Japan will receive his/her personal number from Oct., 2015 by mail; notification of personal number; less than one year
- New e-ID card will be issued from Jan., 2016

Major topics concerning new card

- New e-ID (my number) card will be issued from Jan., 2016 and proceed to procurement (open tender) next year
- The prime minister announced one card for daily life by supporting, for example, credit card and health insurance
- Government party requested that 87 million cards (2/3 of all residents in Japan) had to be issued by the end of March, 2019

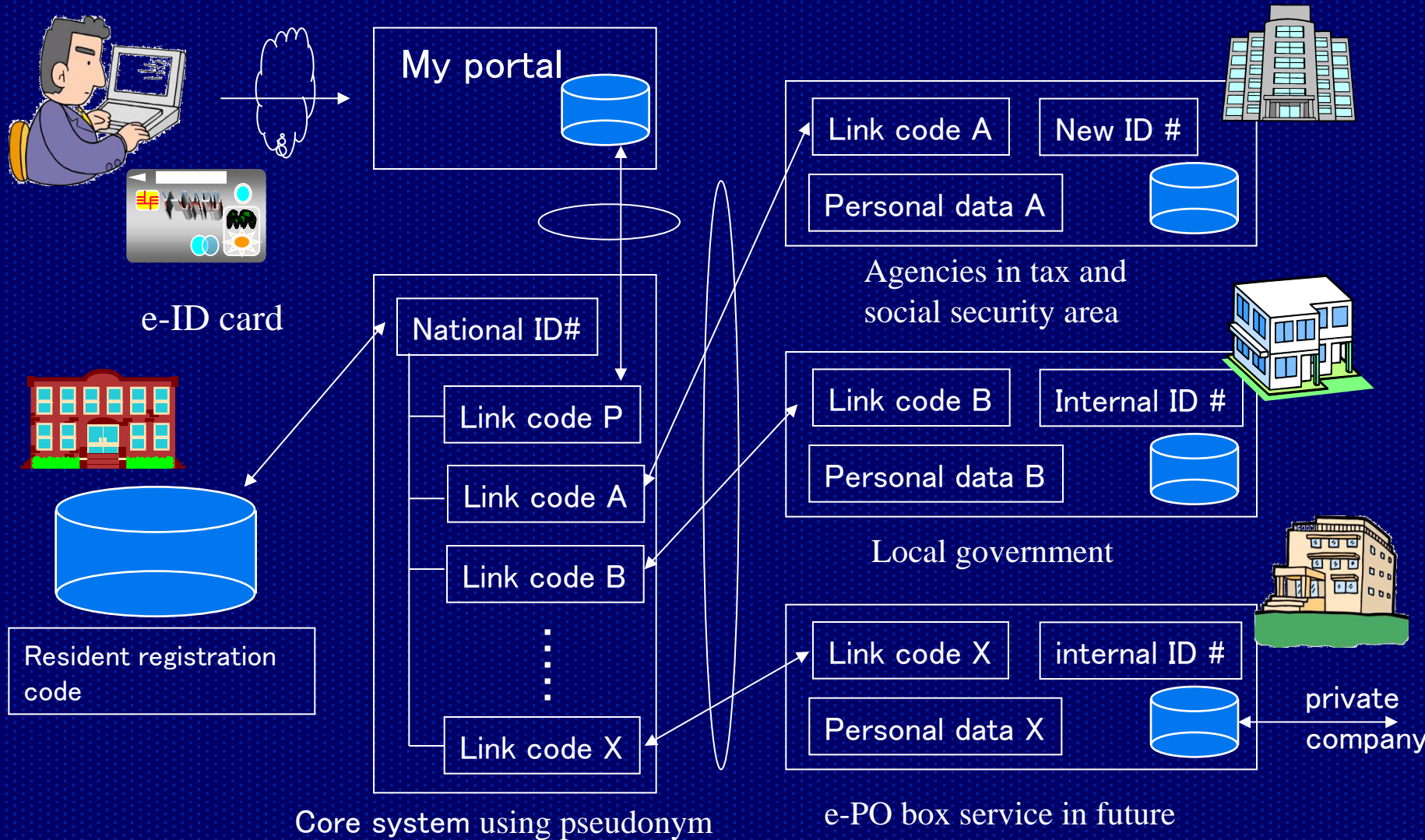
Field tests

- Field tests are being carried out in several local areas
- Applications are health insurance, credit card payment, Cable TV, etc.
- We received favorable reception from the application service providers
- This project will continue next fiscal year
- Because the real card will be issued from Jan., 2016, some applications will seamlessly go into practical use

Additional applications under discussion

- Digital mail
 - Electronic documents are becoming more popular in place of paper document
 - From legal validity point of view, digital mail act such as Germany will be under preliminary discussion
- e-PO box
 - Functions of e-PO box will be updated with consideration of link system and my portal

Schematic diagram of link system under development



New e-ID card under design

- Together with my number act, resident registration and JPKI acts were revised and authorized simultaneously
- Revised JPKI act will come into reality on 1st of Jan., 2016
- My number card will support both digital signature (non-repudiation) and personal authentication services
- My number card will have facial photo
- Certificate for personal authentication is anonymous
- None of sensitive data will be sent through the network such as PW, credit card number and name

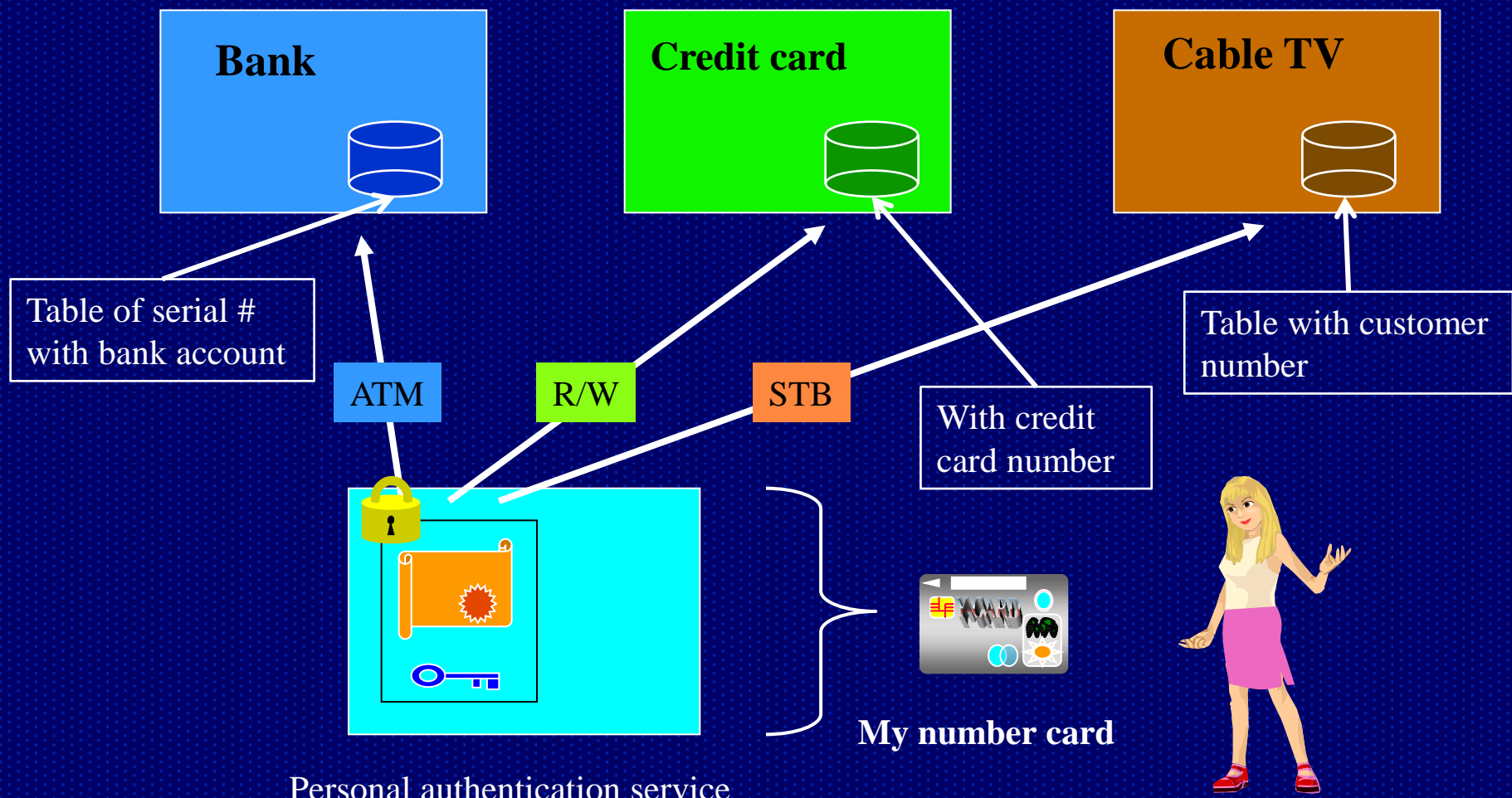
Enrichment of card services

- Services could be securely linked to my number card through the on-line authentication
 - ID card in both real and cyber space
 - Attributes such as license and qualification
 - Validation of the health insurance through linking to the insurers
 - Payment services under plan
 - Functions of internet banking card and credit card (secondary card), etc.

Pin-less PKI authentication

- It will be supported by my number card
 - Useful for micro payment just like sign-less
 - After successful external authentication, PKI application becomes active
 - Response from the card will be different from the one with PIN so that the server could tell if PIN is used or not
 - It is especially good for emergency use when the card holder is unconscious

Multi-application using my number card



Personal authentication service

Project for Tokyo Olympic 2020

- Government has a plan to issue “Omotenashi (welcome from heart during your stay in Japan) card”
- For enrichment of convenience, IC card valid for all public transportation is strongly required
- One of promising schemes is NFC card including e-ID through post payment enabled by linking to credit card
- ETA will be supported by “Omotenashi card” ; preferable language, size of displayed letters, color and so on

Summary

- Field test of new ID card will be carried this fiscal year in healthcare, credit and cable TV areas
- My number card will be issued from Jan., 2016 on schedule
- Pin-less scheme based on PKI with post payment will bring various convenience to us
- One of them is e-ticket of public transportation especially for travelers from foreign countries