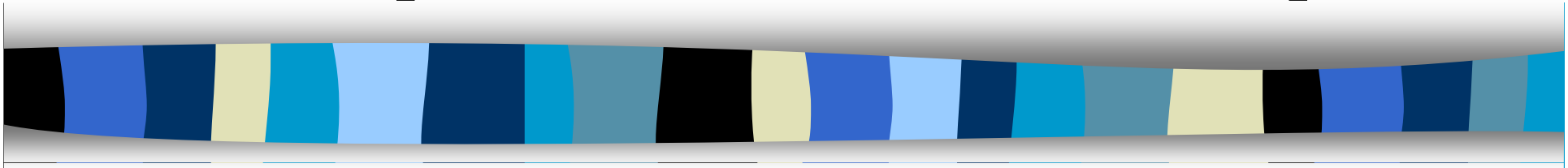


JICSAP ACTIVITIES

-Development Status of IC Card in Japan-



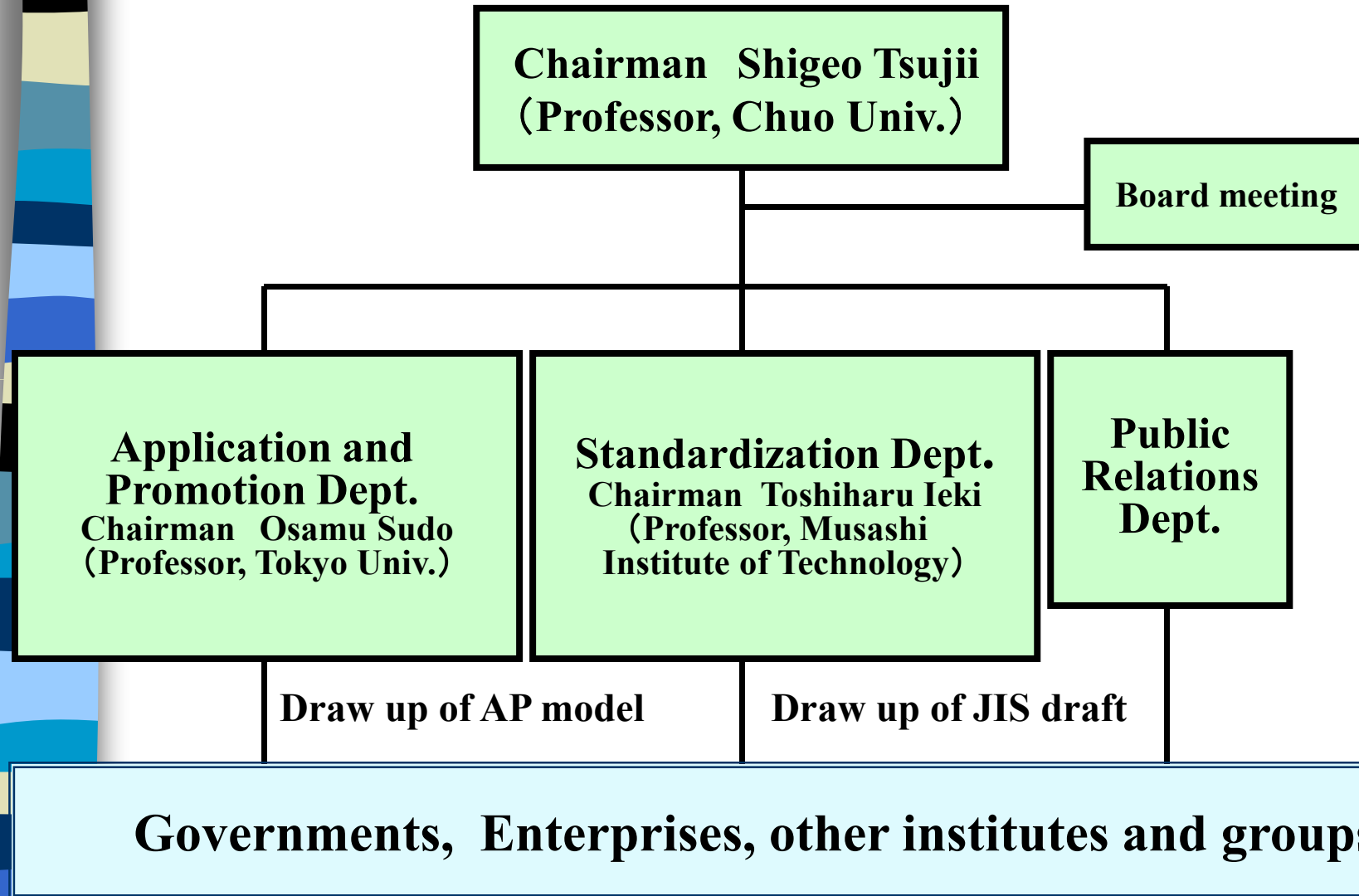
Japan IC Card System Application council
E-mail:iccard@jicsap.com
<http://www.jicsap.com>



***JICSAP* Activities**

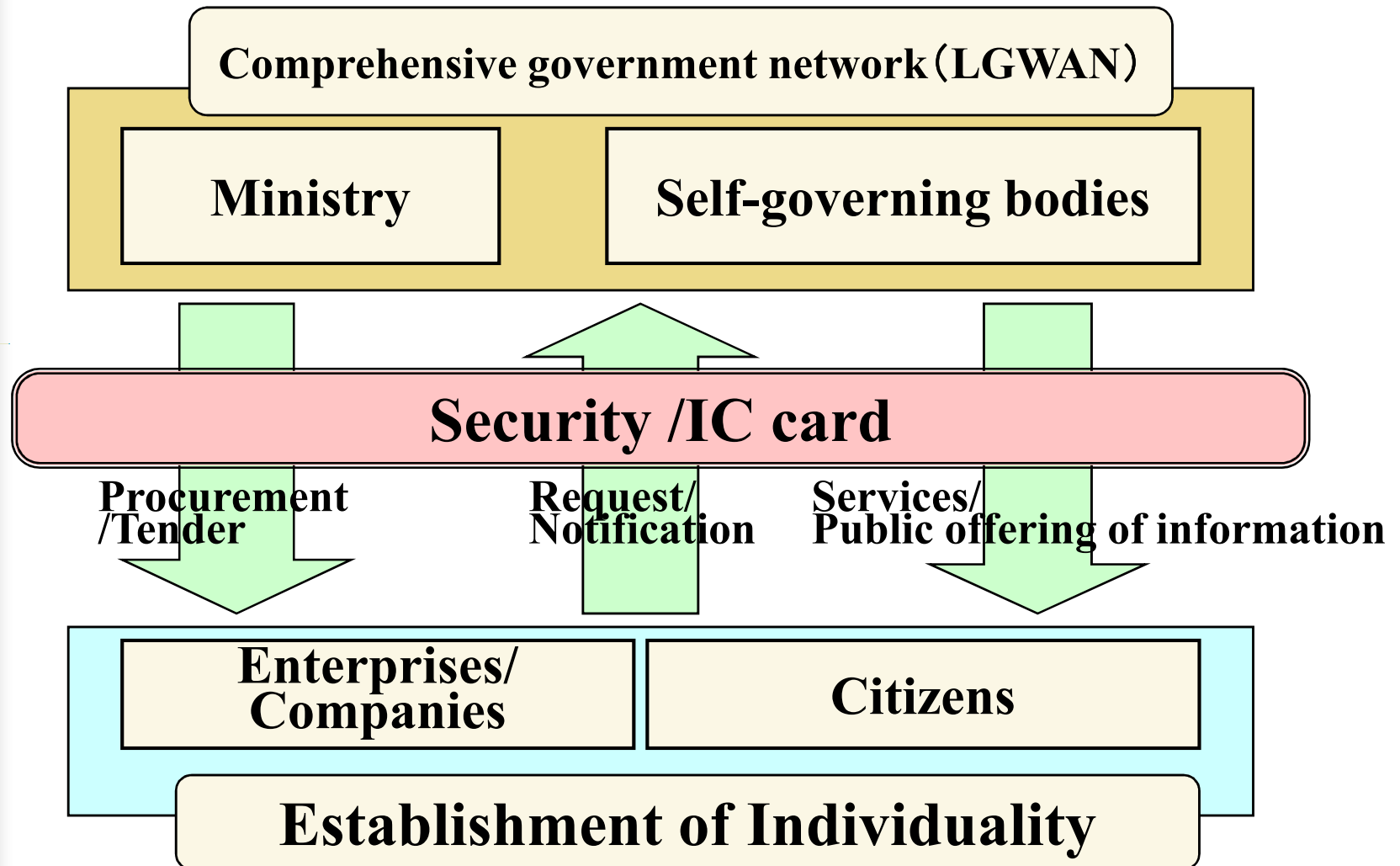
- **JICSAP : Japan Ic Card System APplication council
as NPO**
- **IC card**
 - national standards & security
 - promotion
 - application & buz. Models
 - international interoperability
- **History**
 - March, 1993; start with 24 members
 - 1994; JIS (Japan Industrial Standard) draft
 - 1995; JICSAP specification and released to the market
 - Jan.2003; organization change
 - Aug.2008; 46 members

JICSAP Organization



IC Card

in e-Government and self-governing bodies

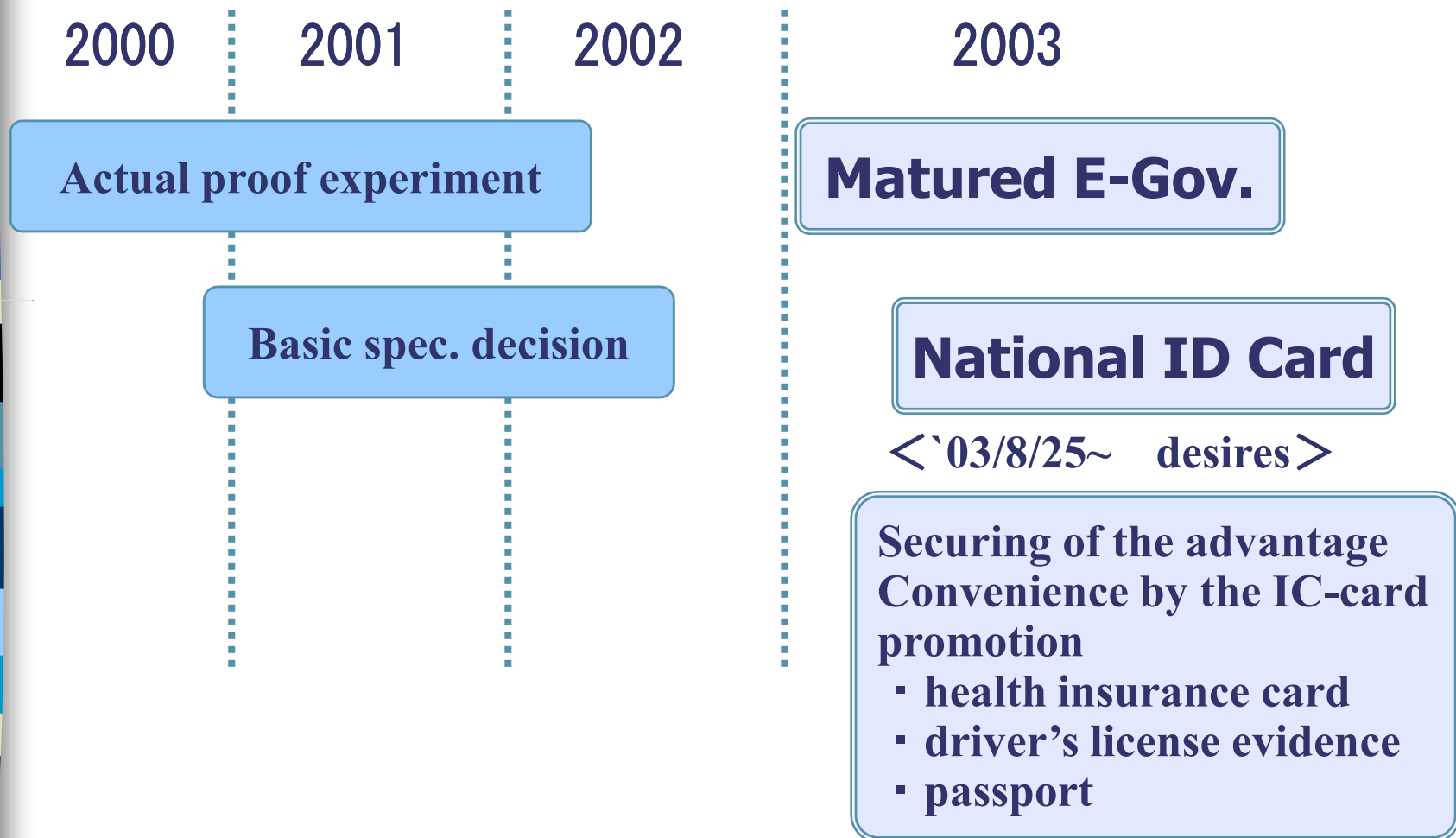




National Infrastructure (Standards)

- **Physical feature:**
JIS X 6301 (ISO/IEC7810) ID-1
- **Electronic feature and protocol:**
JIS X 6322-2 (ISO/IEC14443-2) contactless-type B
- **Card logic rule:**
**JIS X 6306 (ISO/IEC7816-4) common command
and multi-application command**
- **Card system function:**
Rule of card server and card issuer
- **Security:**
JIS X 5070 (ISO/IEC 15408) EAL4(at minimum)

National Infrastructure (Schedule)



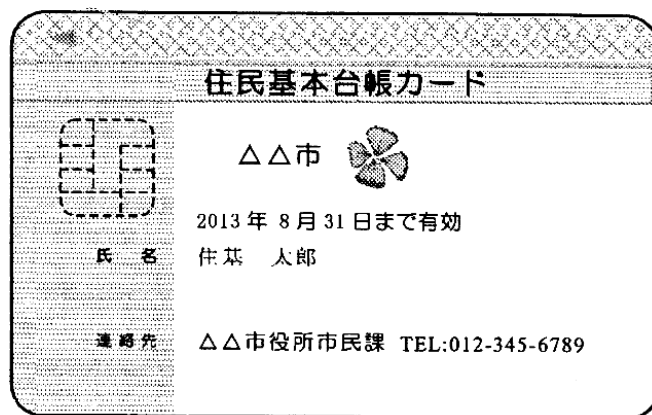
(Voluntary) Basic Resident Register Cards (from 25/8/03)

■ Basic Information

- Name, Address, Gender, Birthdate+ID Code (11 digits)

■ Local Gov. information

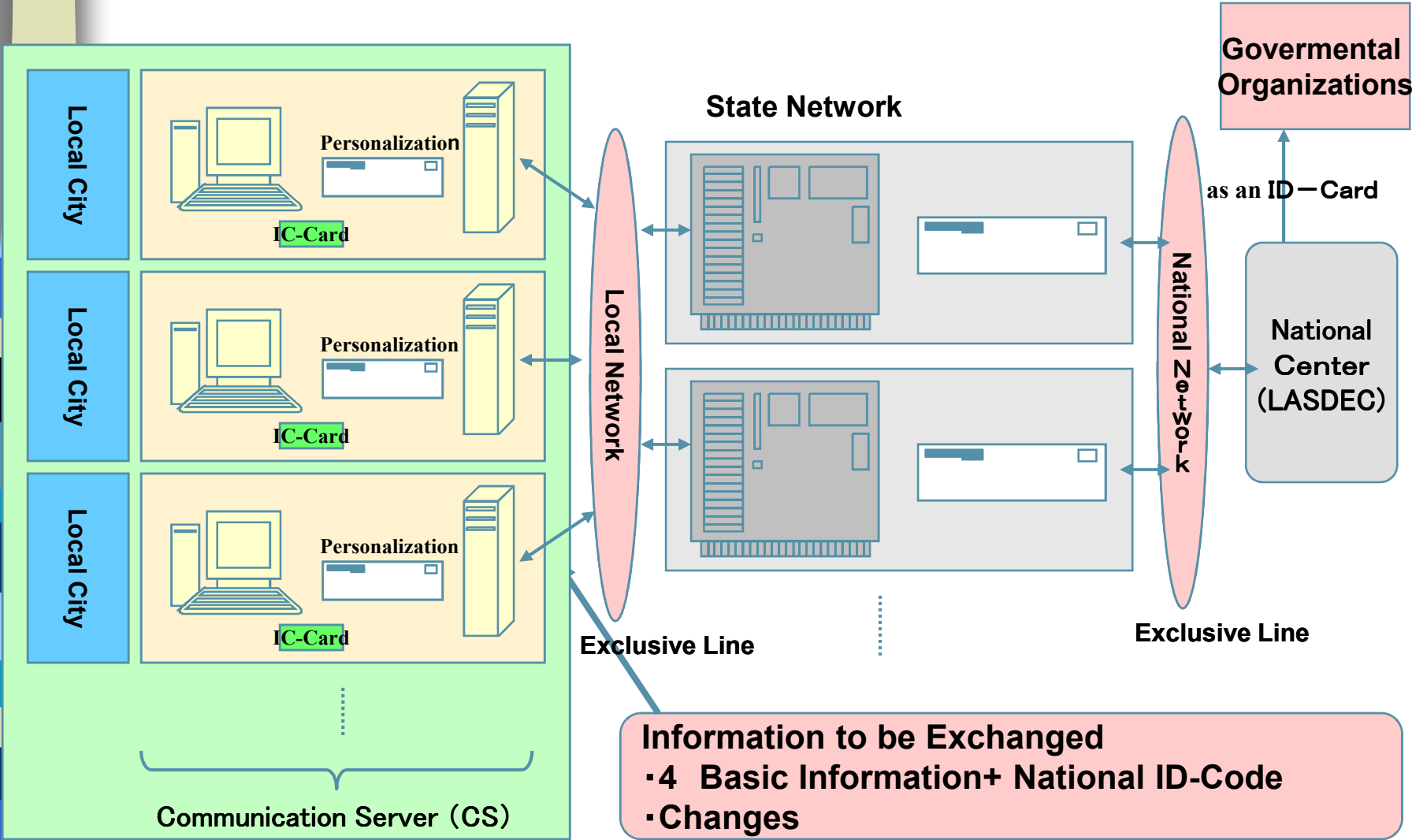
Type A Version



Type B Version (with ID photograph)



Voluntary National ID-Card Network System



Suica in the future

- **Enlargement of IC card Area within JR**
- **Usage in Shinkansen**
- **Realization of common IC card**

**① Full function of railway
And enlargement of
service area**

- **Unification with Cash/Credit card**
- **Development of Suica E-cash**

**② Promotion of Cashless
Based on 7.5M users**

- **Cooperation with E-government/
self-governing bodies**
- **Introduction of Mobile Suica**
- **Linkage with other IC Card services**

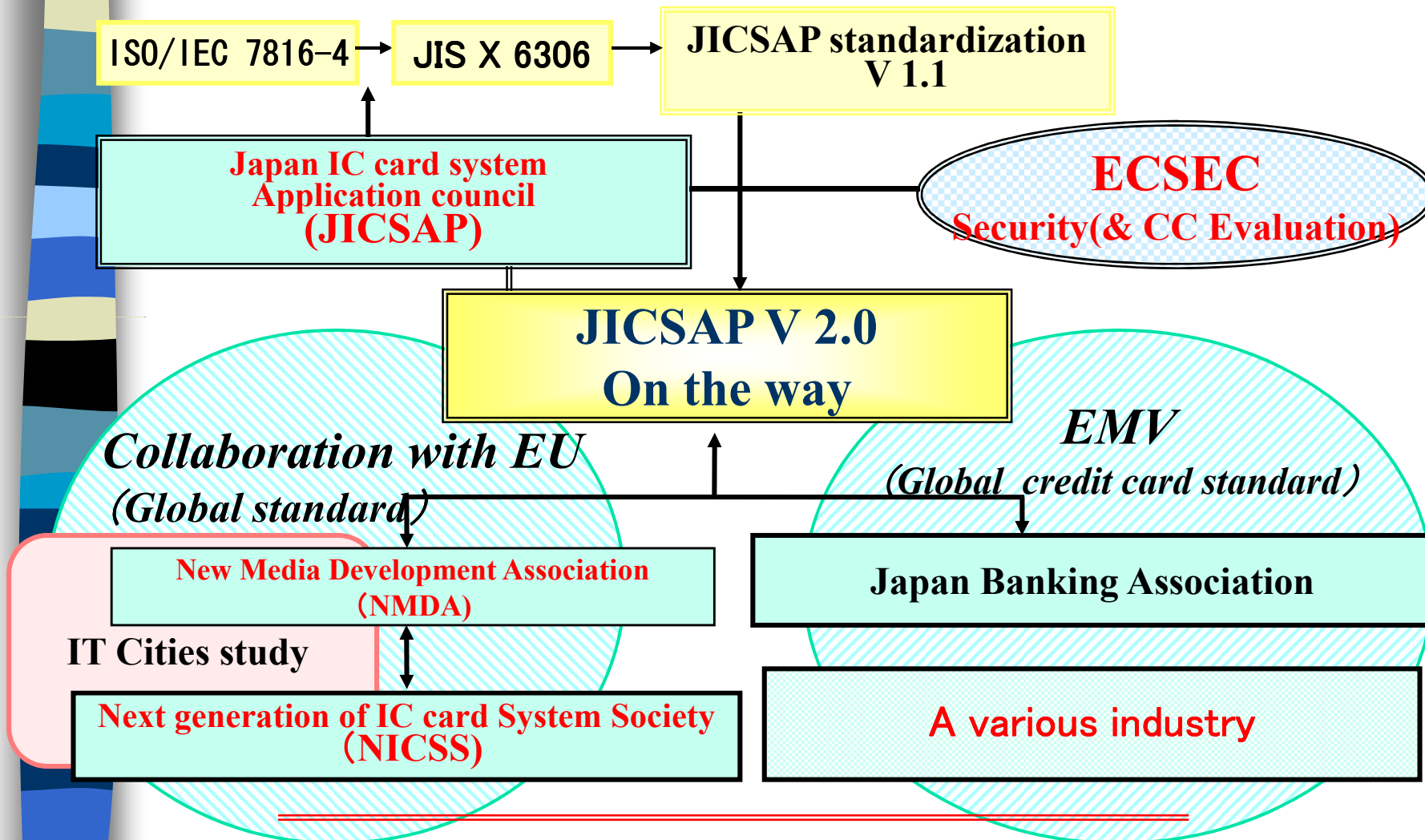
**③ IC card development
In the linkage with social
infrastructures**

Enhancement step-by-step

Introduction of Suica in 2001

- Features: Large-scaled IC card system**
- **Preparation of large-scaled IC card infrastructure**
 - **Massive-scaled IC card holders**
 - **Accumulation of know-how of large-scaled IC card system**

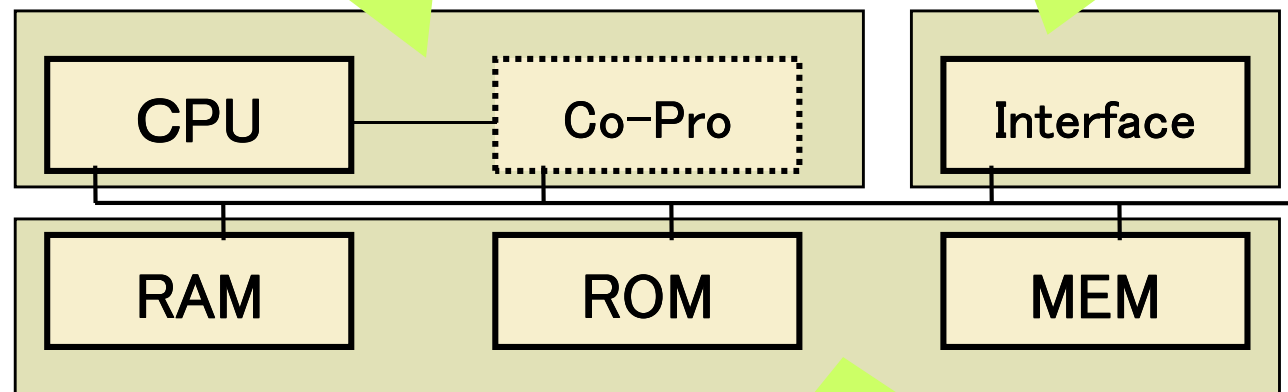
Japanese standardization



Movement to highly advanced function

**High speed⇒8/16/32bit
Diversity of control OS**

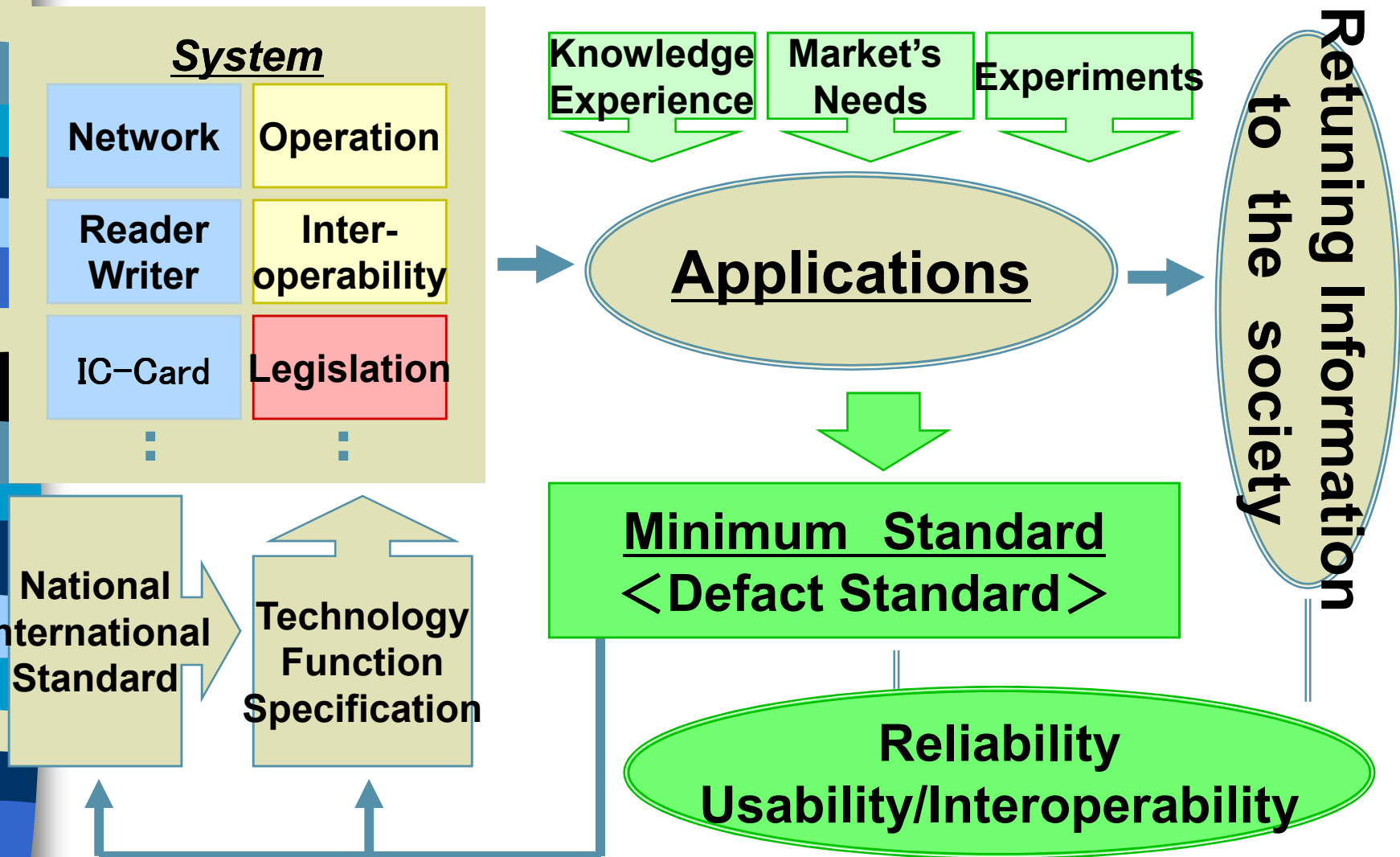
**Combi-card (contact-
and contactless) High
speed**



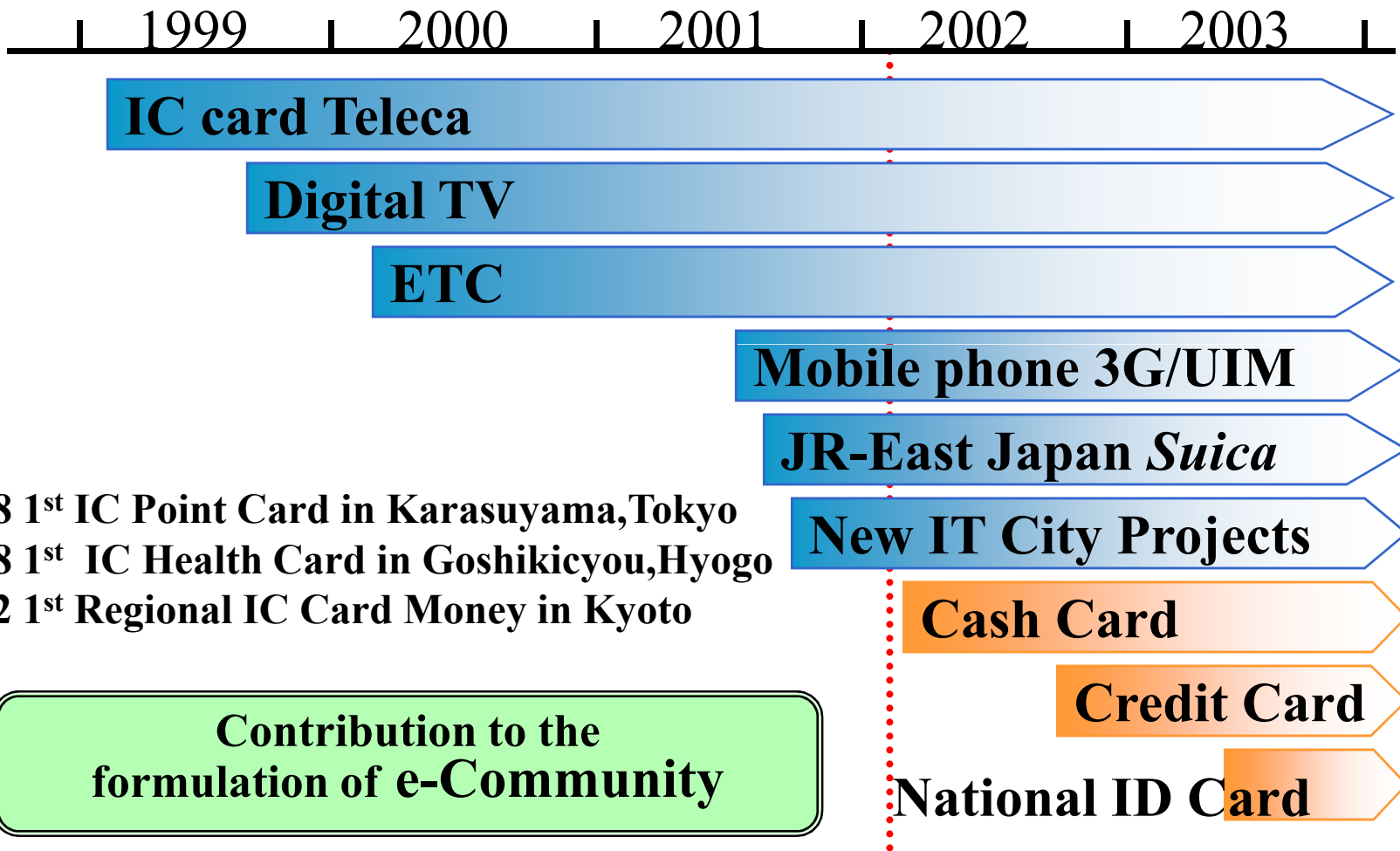
- Pursuit of high speed
- Ensure tamper-resistance
- ISO/IEC 15408(CC)

**Large Capacity⇒8/16/32/64KB
Improvement of memory/logic IC etc.**

Standardization & Idea



IC Card development status in Japan





Summary . . .

Realization of secure, released and reliable society

- ◆ **Citizens, consumers should play the leading part**
Improvement of security and convenience in e-community
- ◆ **Information security in an information-oriented society**
Usage of information technology with moral
- ◆ **IC card system standardization**
Standardization activities on users' side
- ◆ **Security = IC card**
Realization of the system with warm heart and sincere spirit



**Improvement of the degree of satisfaction in
E-community by secure and reliable services
• • • Peer to Peer world**