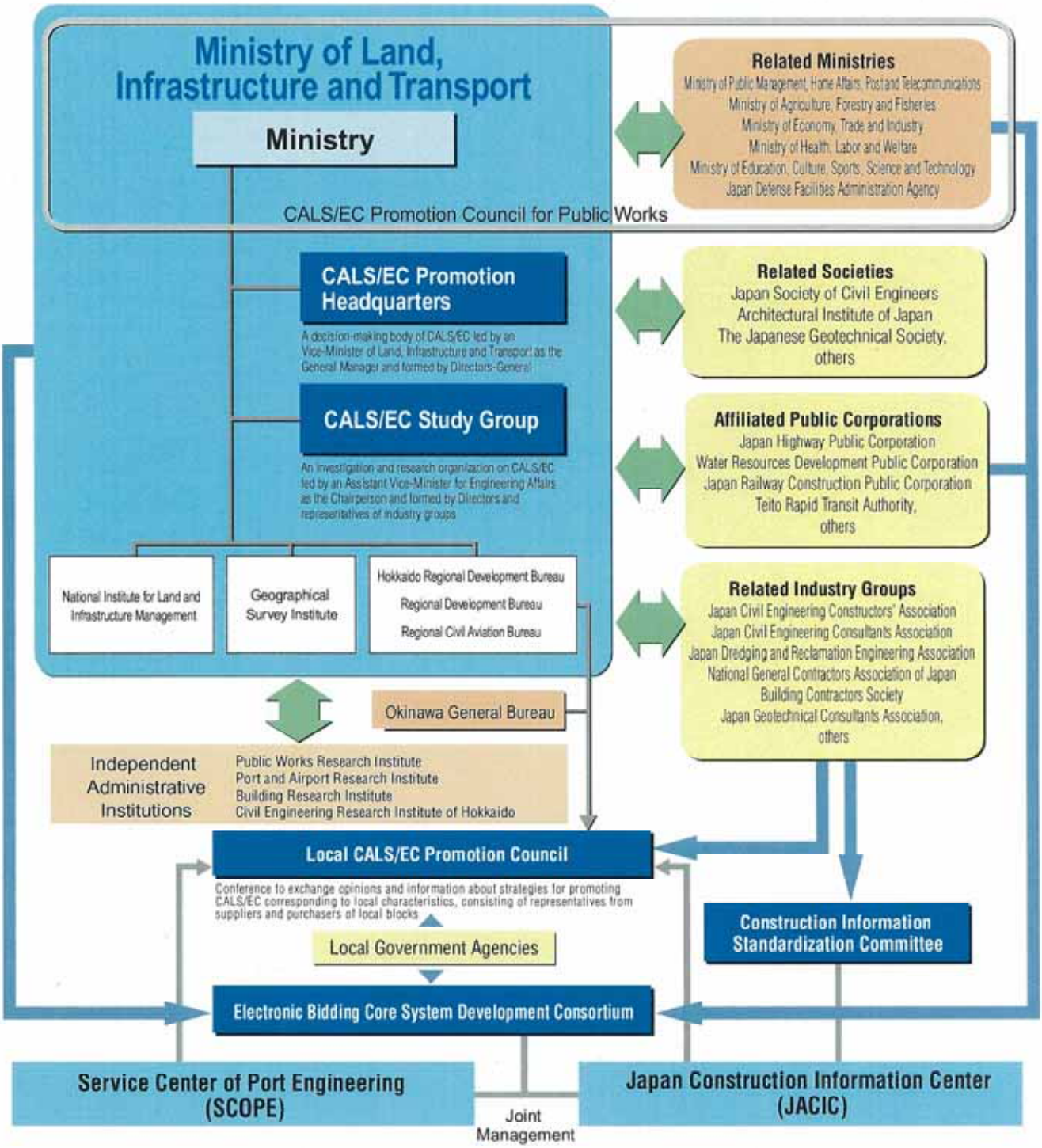
CALS/EC Implementation Organization



For Further Information, Contact:

Minister's Secretariat, Ministry of Land, Infrastructure and Transport
(Engineering Affairs Division, Public Works Planning and Research Office)
URL http://www.mlit.go.jp/english/

1st Research Department,
Institute of Construction Management,
Service Center of Port Engineering (SCOPE)
URL http://www.scopenet.or.jp/main/english/

CALS/EC Department,
Construction Information Research Institute,
Japan Construction Information Center (JACIC)
URL http://www.cals.jacic.or.jp/english/

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Promotion of CALS/EC for Regional Governments

The JACIC has begun to open "CALS/EC Experience Corners" at its regional centers from April, 2000, as part of the activities to disseminate CALS/EC to local governments.

In June, 2001, a framework was established to encourage active implementation of CALS/EC by public work assigning entities, such as regional governments and public corporations. The CALS/EC Regional Advancement Action Program (Nationwide Version) that includes technical assistance measures from the Ministry of Land, Infrastructure, and Transport and other incorporated associations was also compiled in the same month.

In an effort to fully extend CALS/EC to regional areas, the JACIC established the CALS/EC Department at its headquarters in Tokyo in November, 2001 and has since been conducting the following activities in cooperation with the regional centers:

- CALS/EC seminars

CALS/EC seminars are held at ten cities in the nation every year.

- CALS/EC consultation desks (free of charge)

Consultations and questions on CALS/EC are accepted and advice/solutions offered.

- Publishing and selling of books

Books and reference material related to CALS/EC are published and sold.

- Public relations, training programs

Information on CALS/EC is provided via JACIC's website. Lecturers are dispatched for study programs held by the national government, the regional governments, as well as incorporated associations from the private sector.

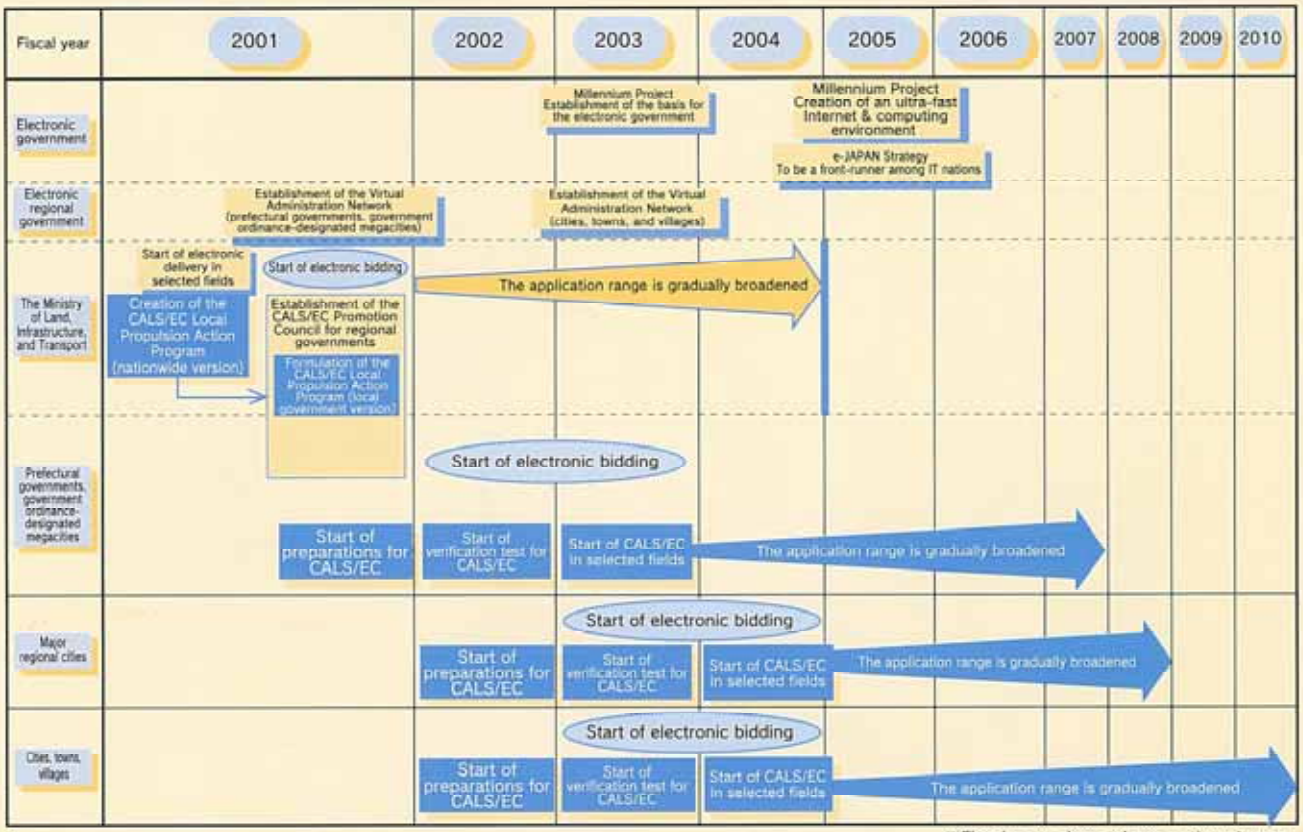
- Technical assistance

Technical assistance is offered for the introduction of CALS/EC, preliminary design formulation, and the determining of action programs advocated by regional governments.

- CALS/EC experience tools (free of charge)

Various content that can be perused in real-time is available, including that for electronic delivery, imaging and digital photograph management, electronic bidding, and electronic authentication.

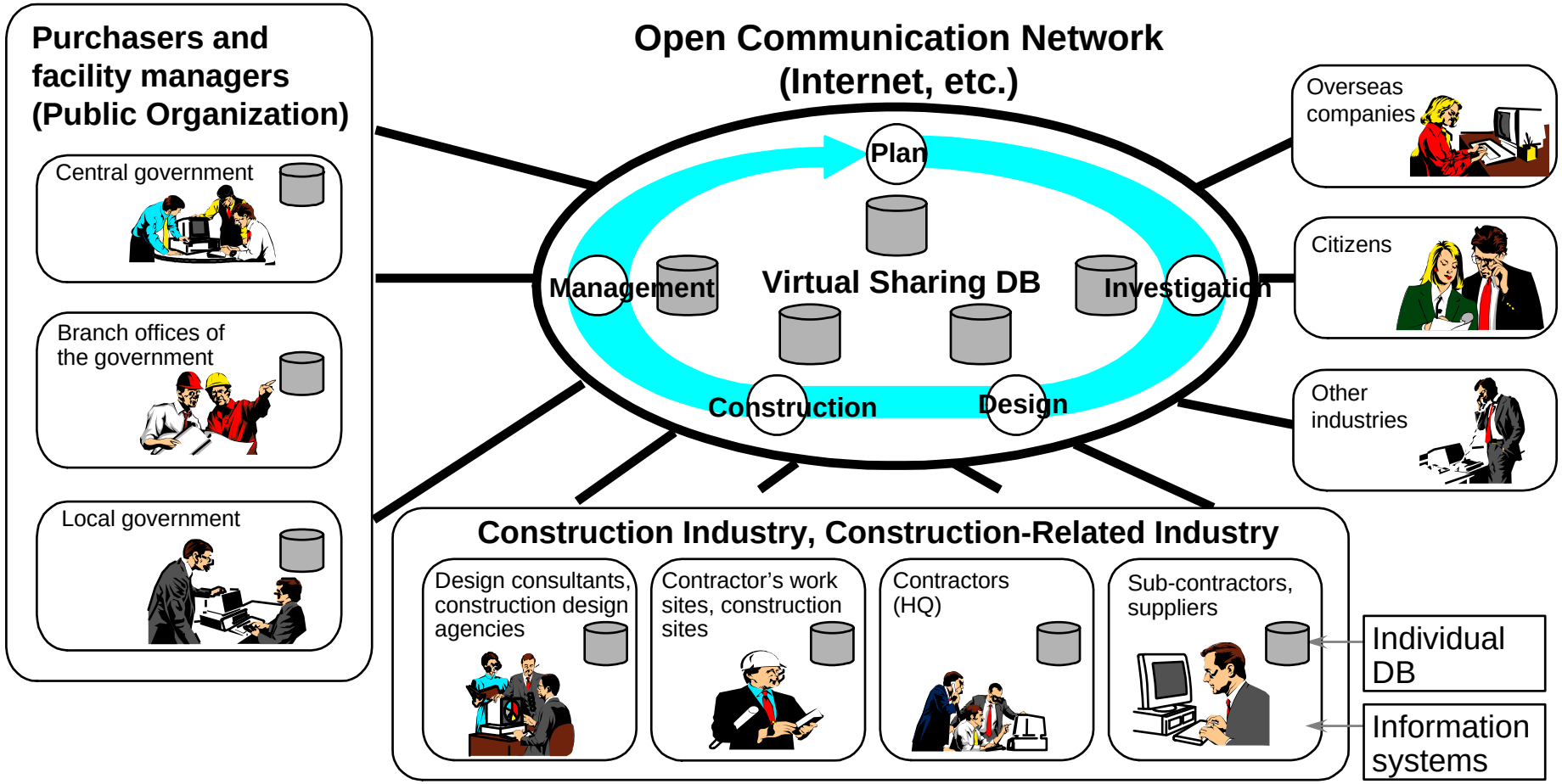
Implementation Schedule of CALS/EC



※Fiscal years shown above are target years.

Vision of CALS/EC

- **CALS/EC is to apply IT for exchanging and sharing necessary information among related bodies for improving processes of public works projects.**



Action Program 2005 (05~07)

- The environment for “Information exchange” is being implemented
  - Digitalization for many kinds of information
- “Information sharing/coordination”,
  “Improvement of operational process”
  - reducing the cost of works
  - securing the quality of works
  - efficiency of the operation

Goals of the Action Program 2005

- 5 sectors & 18 goals
  - Information exchange
  - Information sharing/coordination
  - Improvement of operational process
  - Technical standardization
  - International cooperation and coordination
- To make operation process model
  - Total optimization of operational procedure
  - Sharing the scope of each goals

18 goals (1/3)

1. To improve Public Procurement Information
2. To deliver documents of procurement
3. To digitize the procedure of contract
4. To improve standardization of CAD
5. To make guideline for 3-D
6. Linkage between systems of the procedure of procurement

18 goals (2/3)

7. To submit geological/boring datum
8. To submit facility information for cost reduction and quality keeping of works
9. To reserve/revise the completion drawings of the work
10. To promote Updating systems for M&M datum
11. To promote streamlining of facilities information
12. To promote efficiency by on-site information

18 goals (3/3)

13. Harmonization of different systems by managing information model
14. Capacity building and deployment
15. To realize quantity estimation by CAD
16. To realize information sharing by IT in construction stage
17. To improve standardization for information sharing
18. To join international standardization activities for CAD