

Collaboration among Water Utilities: Japan Water Works Association



No. C1 Ver. 1

Committee, examination, inspection and training of JWWA
[Online] Available: <http://www.jwwa.or.jp/jigyoku/kensyu.html>

3. Activities of Japan Water Works Association

(3) Product Inspection Service

Inspection by each
water utility

Inspection by JWWA

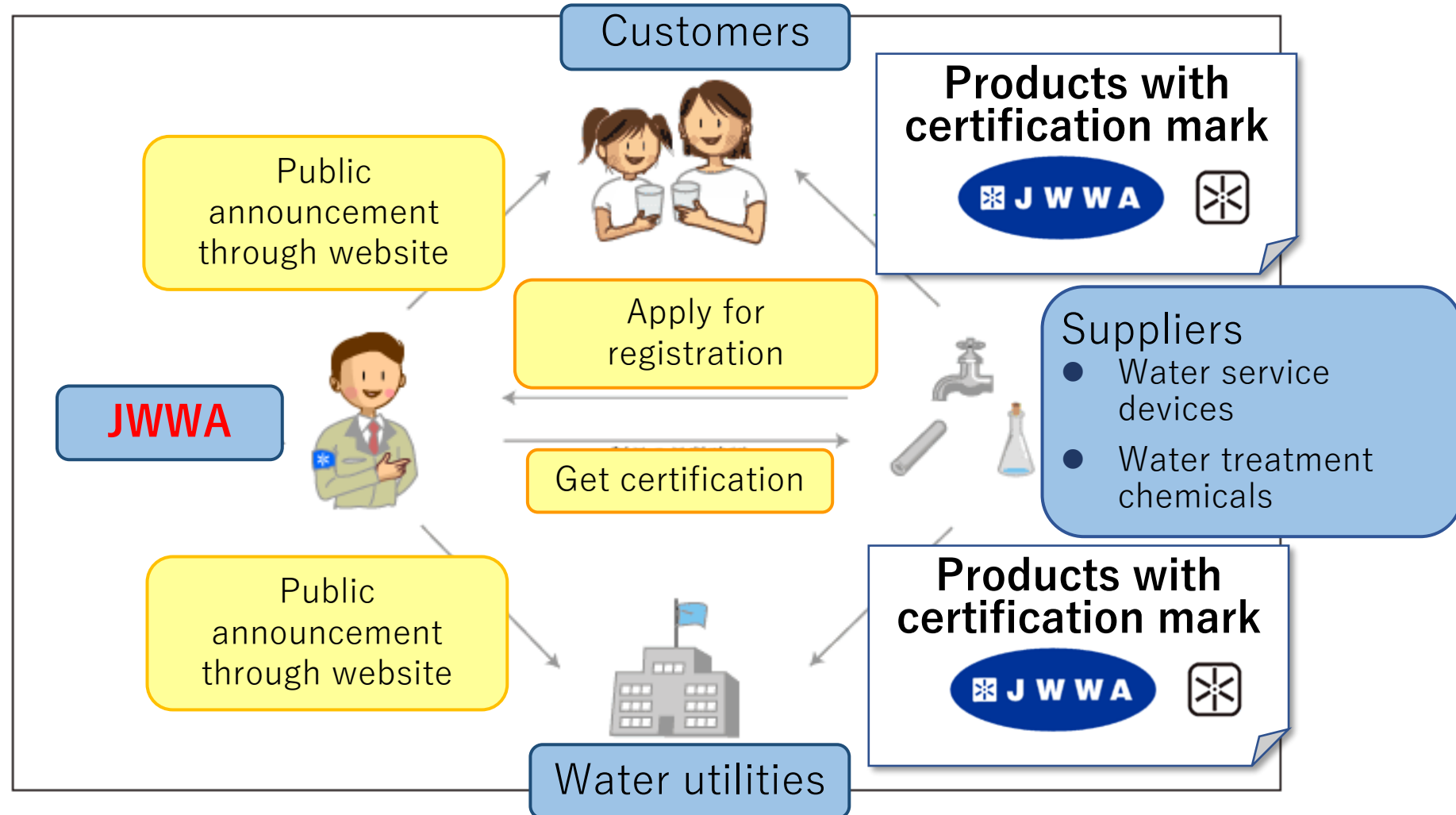
- Standards for materials and equipment
- Improving efficiency of inspection



JWWA, "Profile Public Interest Incorporated Association Japan Water Works Association," http://www.jwwa.or.jp/jigyoku/kaigai_file/JwwaProfile2015.pdf

3. Activities of Japan Water Works Association

(4) Quality Certification Service



3. Activities of Japan Water Works Association

(5) Training programs

Management
courses

Training for director generals (Executive Managing Director)

Water utility management

Practical training for collection of unpaid water bills

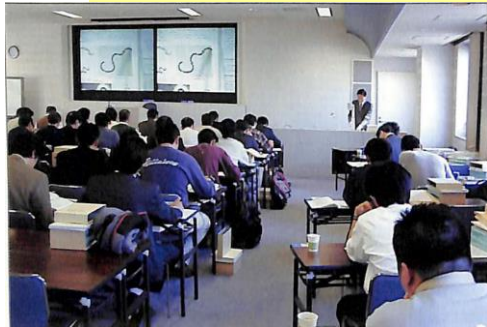
Technical
courses

Training for technical administrators of waterworks

Training for water supply engineers

Training for water leak prevention

Practical training for water purification plant operation



3. Activities of Japan Water Works Association

(7) *Design Criteria for Water Supply Facilities*

- *Guidelines for Water Supply Facilities Standards* 1958
- *Guidelines for Water Supply Facilities Standards* 1966
- *Design Criteria and Guidelines for Water Supply Facilities* 1977
- *Design Criteria and Guidelines for Water Supply Facilities* 1990
- *Design Criteria for Water Supply Facilities* 2000
- *Design Criteria for Water Supply Facilities* 2012

Revised every decade

The latest information at the time of publication

Easy access to the latest information for the small and medium scale utilities

Nationwide standardization of water supply facilities

3. Activities of Japan Water Works Association

(8) *Water Supply Facilities Maintenance Manual*

- *Water Supply Facilities Maintenance Manual* 1953; the first edition
- Revised five times
- *Water Supply Facilities Maintenance Manual* 2006; the latest edition (undergoing its sixth revision)



Standardization of maintenance

Accordance with :

- Introduction of outsourcing to a third party
- Reinforcement of water quality management
- Diversity of water treatment

(9) *Seismic Design and Construction Guidelines*

- *Seismic Design and Construction of Water Supply Facilities* 1953 ; the first edition
- Revised four times
- *Seismic Design and Construction Guidelines for Water Supply Facilities* 1997; the latest edition (undergoing revision after the 2011 Great East Japan Earthquake and 2016 Kumamoto earthquakes)



Standardization of seismic design and construction

Incorporating lessons learned from the Great Hanshin/Awaji Earthquake in 1995

5. Other Organizations in the Water Supply Sector

Japan Small Scale Water Works Association

Support for Small Scale Public Water Works;
Publishing handbook for national subsidy

Japan Water Research Center

Information collection, research and development activities, public promotion and others about the waterworks technology

Federation of Japan Water Industries, Inc.

Technical collaboration among private companies

Japan Water Plumbing Engineering Promotion Foundation

Promotion of water plumbing engineering

Japan Finance Organization for Municipalities

Joint financing for bond floatation

Nihon Suido Shimbun
Suidou Sangyou Shimbun

Specialized newspaper concerning water supply, semi-weekly