

# Education needs and JSA activities

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WSC Academic week 2010

5-9 July

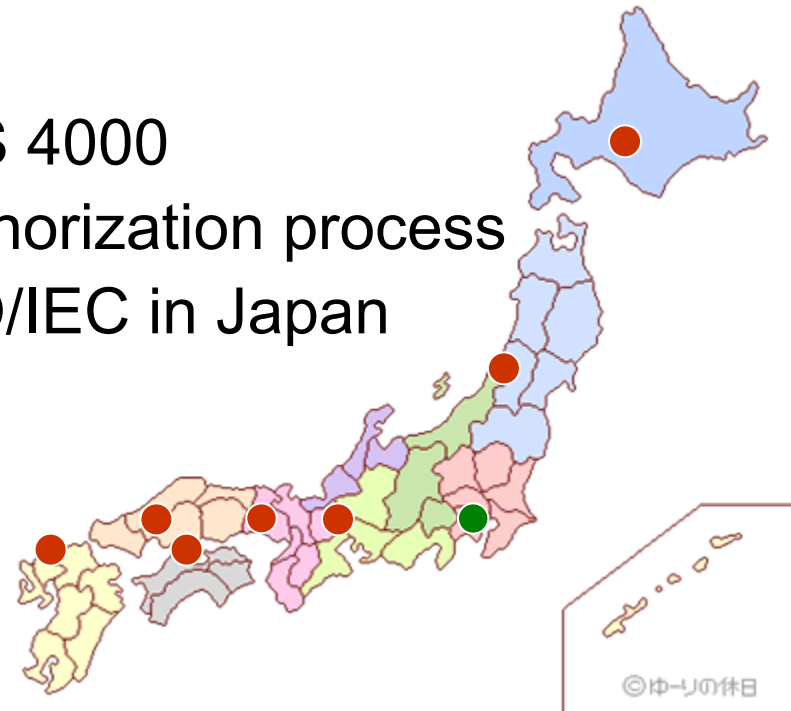
International Conference Centre , Geneve ,  
Switzerland



Japanese Standards Association

# Outline of Japanese Standards Association (JSA)

- ◆ Mission: Development and promotion of standardization
  - ◆ Number of employees : About 240
  - ◆ Budget: \$ 72 million (2009)
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- publish JIS 10,200 and English JIS 4000
  - propose 60% draft JIS to JISC authorization process
  - coordinate the secretariats of ISO/IEC in Japan
  - Sell majors foreign standards
  - Employees are professional standardizers (engineers, quality managers, inspectors etc)



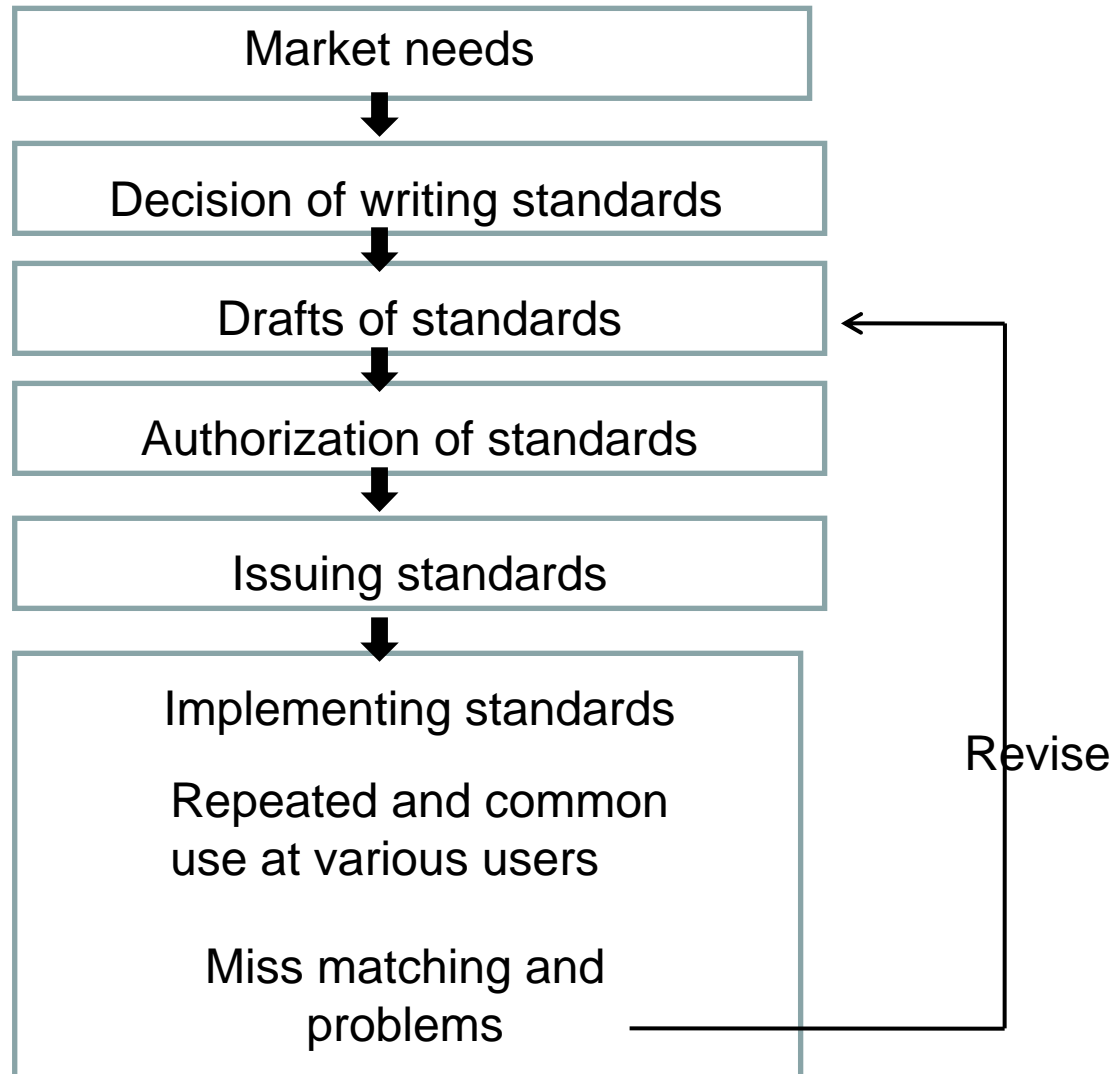
# Standardization: Definition

Activities of establishing , with regard to actual or potential problems, **provisions for common and repeated use**, aimed at the achievement of the optimum degree of order in a given context

NOTE1 In particular, the activity consists **of the process of formulating, issuing, and implementing standards**

NOTE2 Important benefits of standardization are improvement of the suitability of products, processes and services for their intended purposes, prevention of barriers to trade and facilitation of technological cooperation [ISO/IEC guide 2 :2004 definition 1.1]

# Standardization Process



# Required basic knowledge for standardization process

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## Writing stage

Type of S (products S, performance S etc)

Function (Compatibility etc)

Procedures of S writing (ISO/IEC directives, JIS procedure manuals etc)

Drafting manuals (JIS Z8301 layout and drafting S for JIS, ISO/IEC directives)

WTO/TBT agreement (notification and requirements etc)

Knowledge of foreign S and basic standards such as units and metrology etc

## Implementing stage

Pricing, delivery

Relation to other standards (international S, industrial associations)

Knowledge of glossary of other S (ISO/IEC, ASTM, ASME, DIN, BS etc)

Searching knowledge for S

Conformity assessment (CASCO tool box IAF, ILAC guides etc)

# Activities of JSA

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- ◆ Writing standards
  - JIS and participating international standards activities
- ◆ Publishing and disseminating standards
- ◆ Education and training
- ◆ Certification

# Writing Standards

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- ◆ Secretariats of TC/SC  
JIS, ISO/IEC
- ◆ Coordinating and supporting outside secretariats  
(industrial associations etc)
- ◆ Building the database for standards  
(JIS, ISO/IEC, ASTM, ASME, DIN,BS etc)
- ◆ Fully use PC
- ◆ Responding inquires from outside  
interpretation, mismatches, proposals  
relations to regulations and international standards  
etc

# Publishing and disseminating Standards

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- ◆ Publications (selling) of standards  
JIS, ISO/IEC, ASTM, ASME, DIN, BS etc
- ◆ Promotion to make standard popular  
JIS handbooks , monthly magazines,  
JIS and QC related books and materials
- ◆ Responding to requests and questions from  
outsides  
pricing, delivery, copyright  
searching various standards (using database)

# Education and training

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## ◆ Internal education

- Training courses
  - development of JIS ,international standardization
- On the job training

## ◆ External services

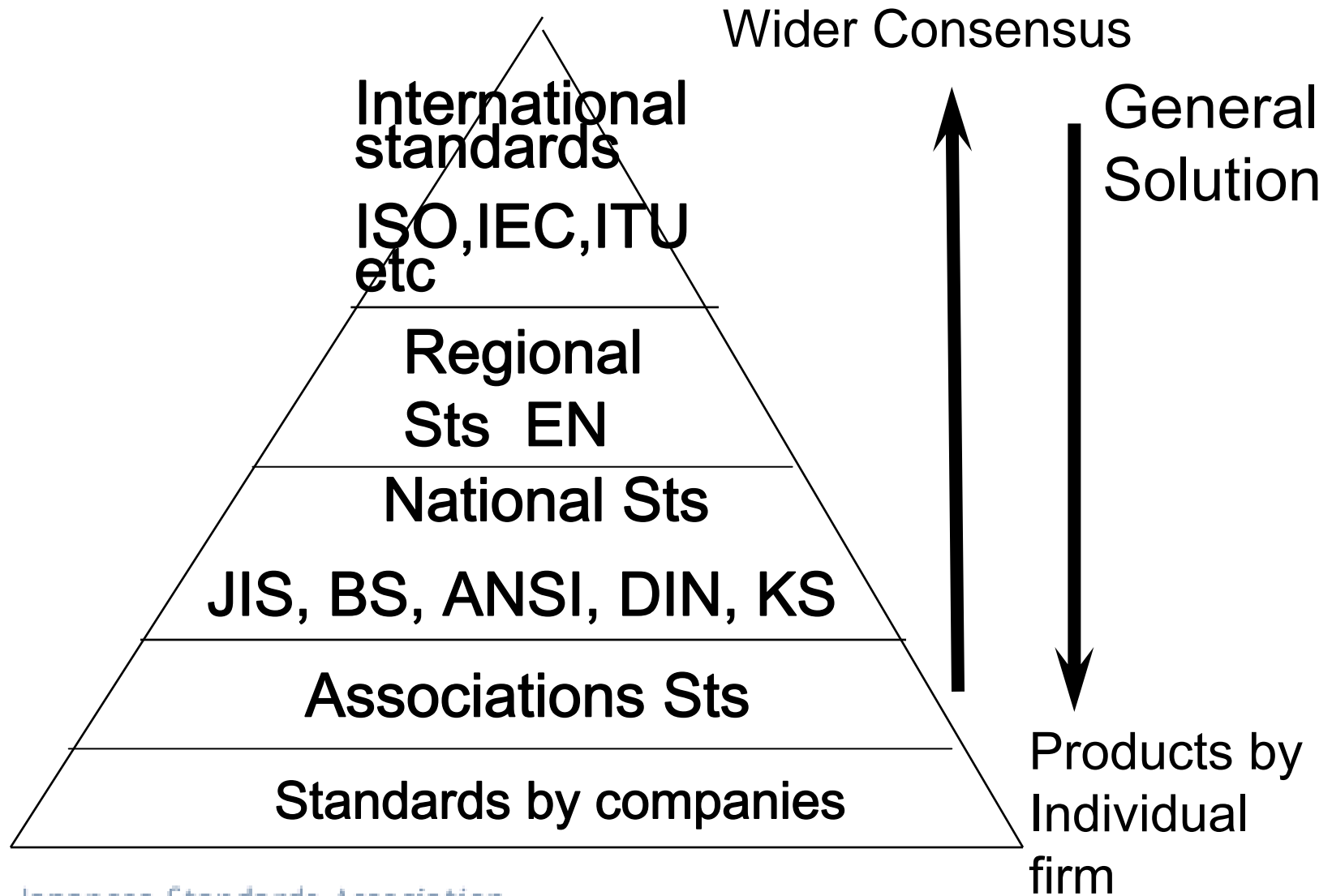
- Seminars and training course
  - TQM, ISO 9000 and 14000etc, JIS certifications
- On-site technical assistance
- Annual national wide meetings
- Standards Education at universities and firms and industrial associations

# Certification

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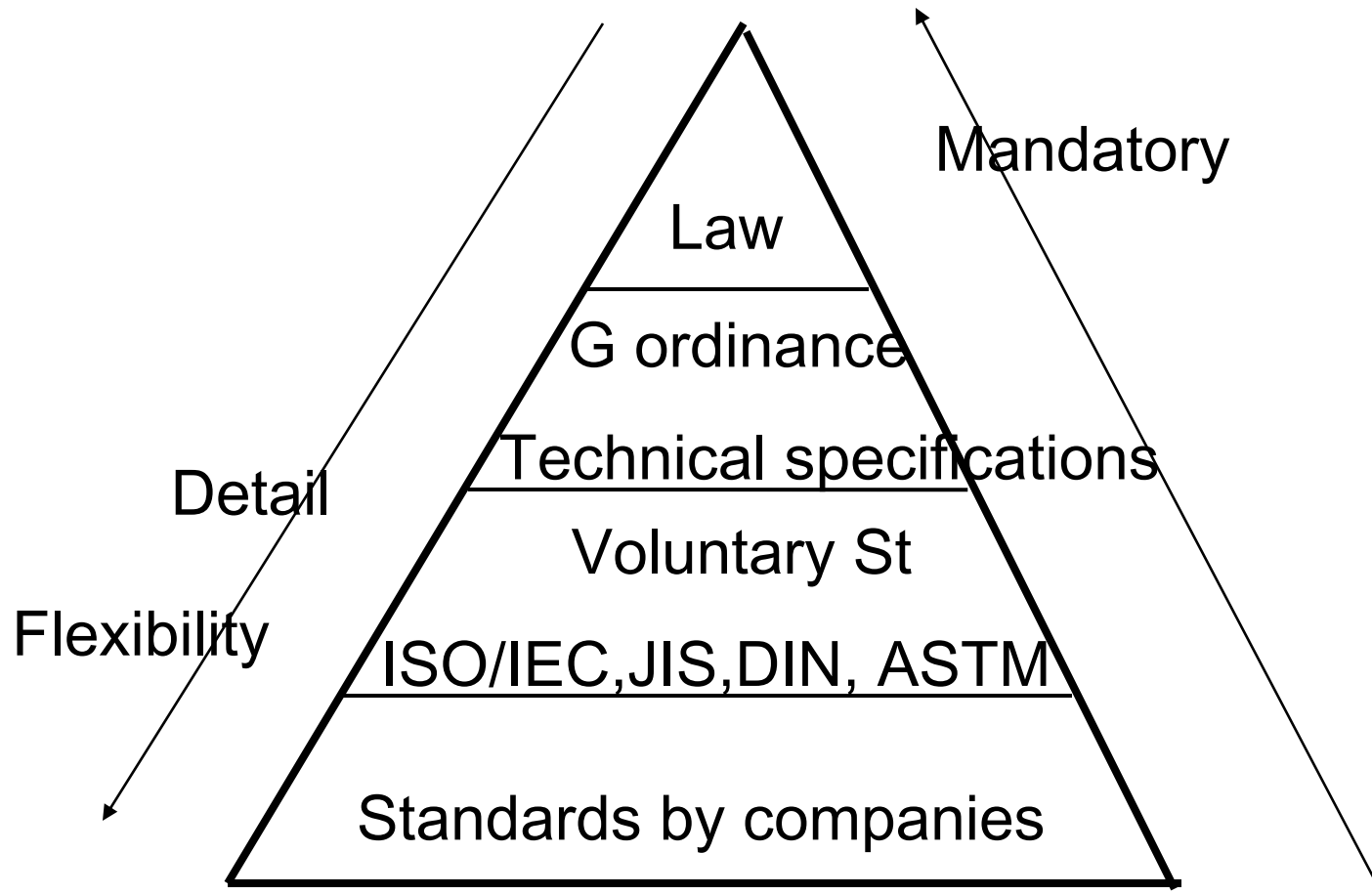
- ◆ ISO management system standards  
ISO9000, 14000, 22000etc
- ◆ Certification for personnel  
Registration of Auditors (QMS, ISMS)
- ◆ Grading of Quality Control and  
management Ability for personnel

# Hierarchy of standardizations



# Hierarchy of standardizations

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# What are the professional skills at JSA ?

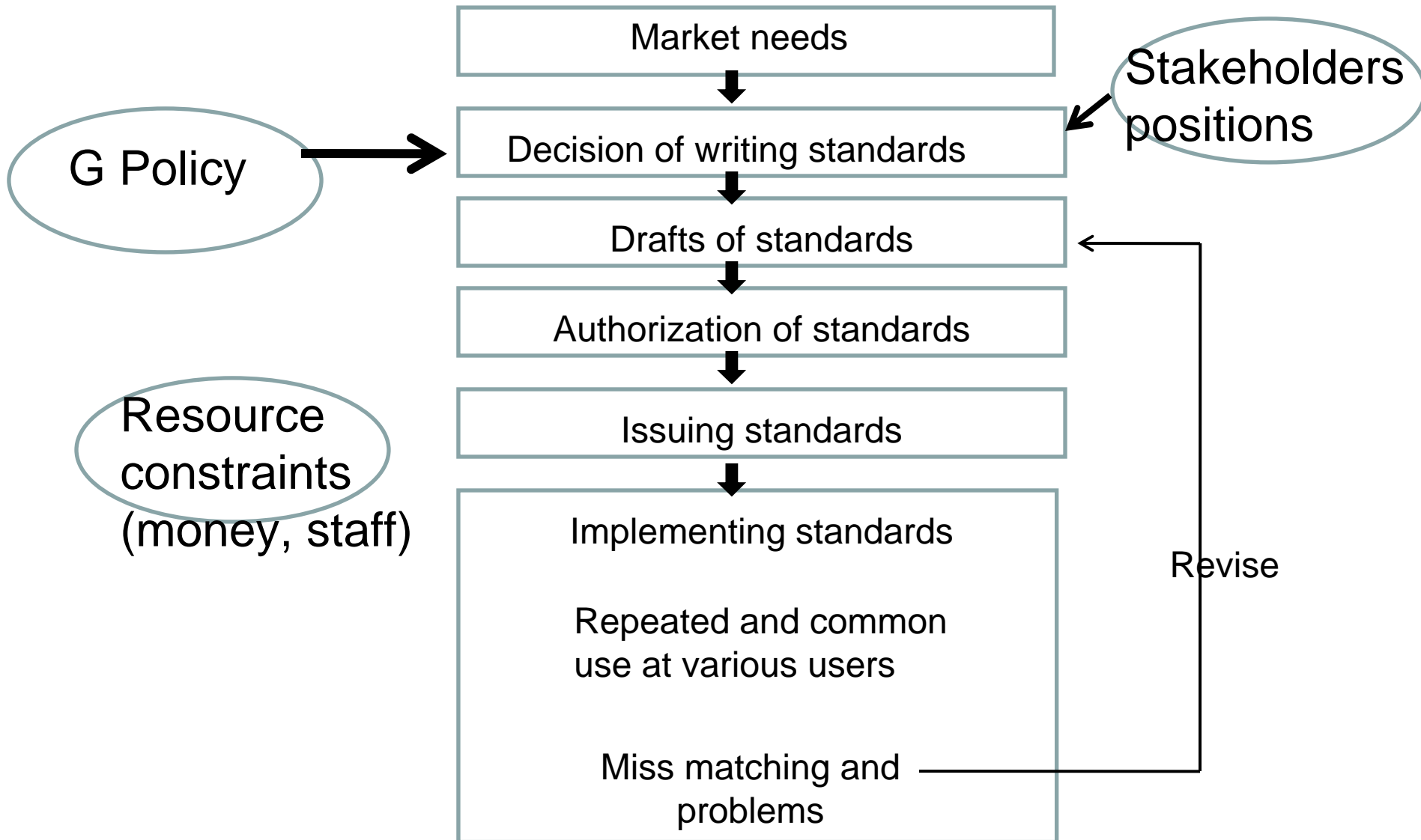
# Professional skills

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- ◆ Using comprehensively and consistently “basic knowledge” at each working places
- ◆ Tailoring out market needs to S solutions
- ◆ Feeding back miss matches at the market to standardization process
- ◆ Coordinating skills of outsiders standards writers and users into standardization process

What is the general knowledge  
of managers ?

# Standardization Process



# Relations between standards and other institutions (areas)

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# General knowledge of managers and X factors

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- ◆ Knowledge and sense of interfaces with standardization process (G, industries, resources etc)
- ◆ More elaborated attitudes toward standards solutions (limitation of S solution, benefits )
- ◆ Differentiating and articulating needs and miss matches into standards

*Thank You*

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Japanese Standards Association

<http://www.jsa.or.jp/>



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