



# Recycling and Recovery of Waste Products

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- **On-going research projects**
- **Introduction of standards framework**
- **On-going programmes of standards development**



# On-going research projects

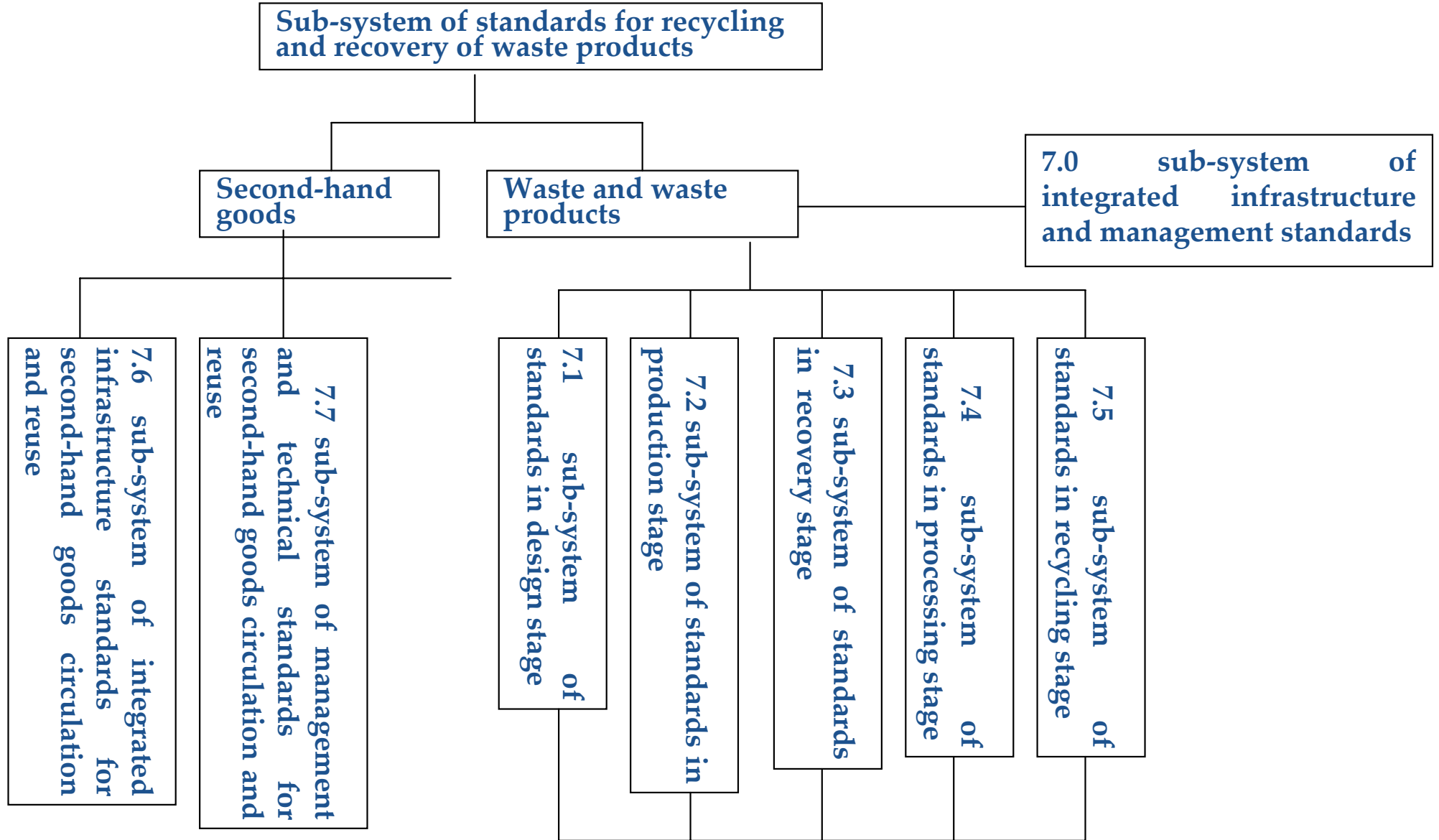
[www.cnis.gov.cn](http://www.cnis.gov.cn)

- ❑ National technology platform fundamental project “Research of standards system and major technical standards for recycling and recovery of waste products ”
- ❑ NDRC project "National standards for recycling and labeling of waste electronic and electrical products "
- ❑ Policies and regulations system research for recycling and recovery of waste products
- ❑ Standards system research for recycling and reuse of waste products
- ❑ Labeling feasibility study and implementation plan for recycling of waste electronic and electrical products



# standards framework for recycling and recovery of waste products

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# Sub-system of standards for recycling and recovery of waste products

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## 7.0 sub-system of integrated infrastructure and management standards

7.0.1 standards of terminology and classification

7.0.2 standards of graphic symbols and code words

7.0.3 comprehensive evaluation standards of recycling and reuse

7.0.4 standards of recyclable identification

7.0.5 standards of index calculation methods for recycling and reuse

7.0.6 management standards of waste recycling and reuse

7.0.7 standards of statistics and analysis

7.0.8 standards of eligibility requirements for recycling company

7.0.9 standards of testing measures and technologies



# Sub-system of standards for recycling and recovery of waste products

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7.1 sub-system of standards in design stage

7.1.1 standards of recoverability rate and recycling rate.

7.1.2 standards of environment-friendly requirements for materials

7.1.3 standards of eco-design.



# Sub-system of standards for recycling and recovery of waste products

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**7.2 sub-system of standards in production stage**

**7.2.1 standards of environment-friendly requirements for manufacturing processes**

**7.2.2 standards of quality management requirements for various enterprises**

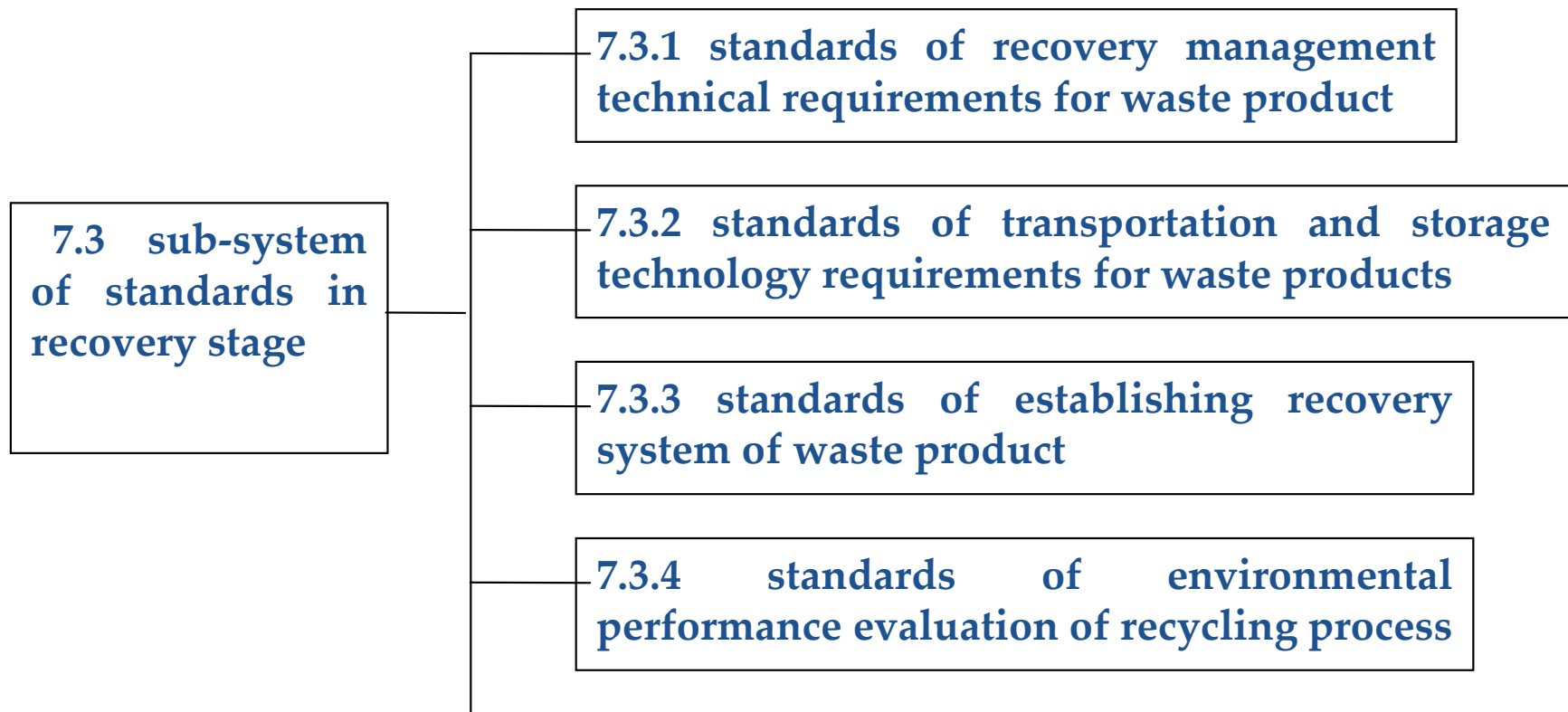
**7.2.3 standards of environment management requirements for various enterprises**

**7.2.4 standards of environmental performance evaluation during production**



# Sub-system of standards for recycling and recovery of waste products

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## 7.4 sub-system of standards in processing stage

7.4.1 standards of technical requirements for manufacturing equipments

7.4.2 standards of environmental technology requirements for treatment process

7.4.3 standards of technical requirements for waste product treatment

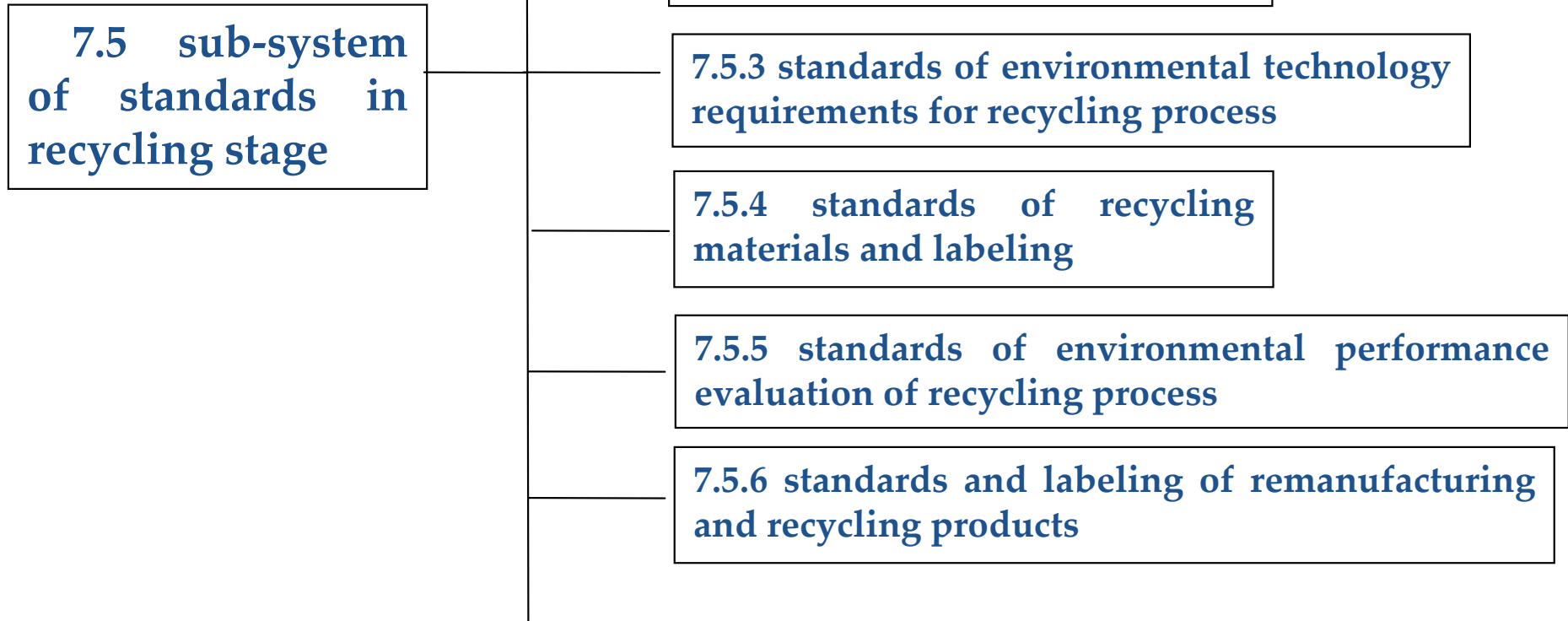
7.4.4 standards of environmental performance evaluation for treatment process

7.4.5 standards of technical requirements for final waste disposal



# Sub-system of standards for recycling and recovery of waste products

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# Sub-system of standards for recycling and recovery of waste products

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7.6 sub-system of integrated infrastructure standards for second-hand goods circulation and reuse

7.6.1 standards of general terminology and classification

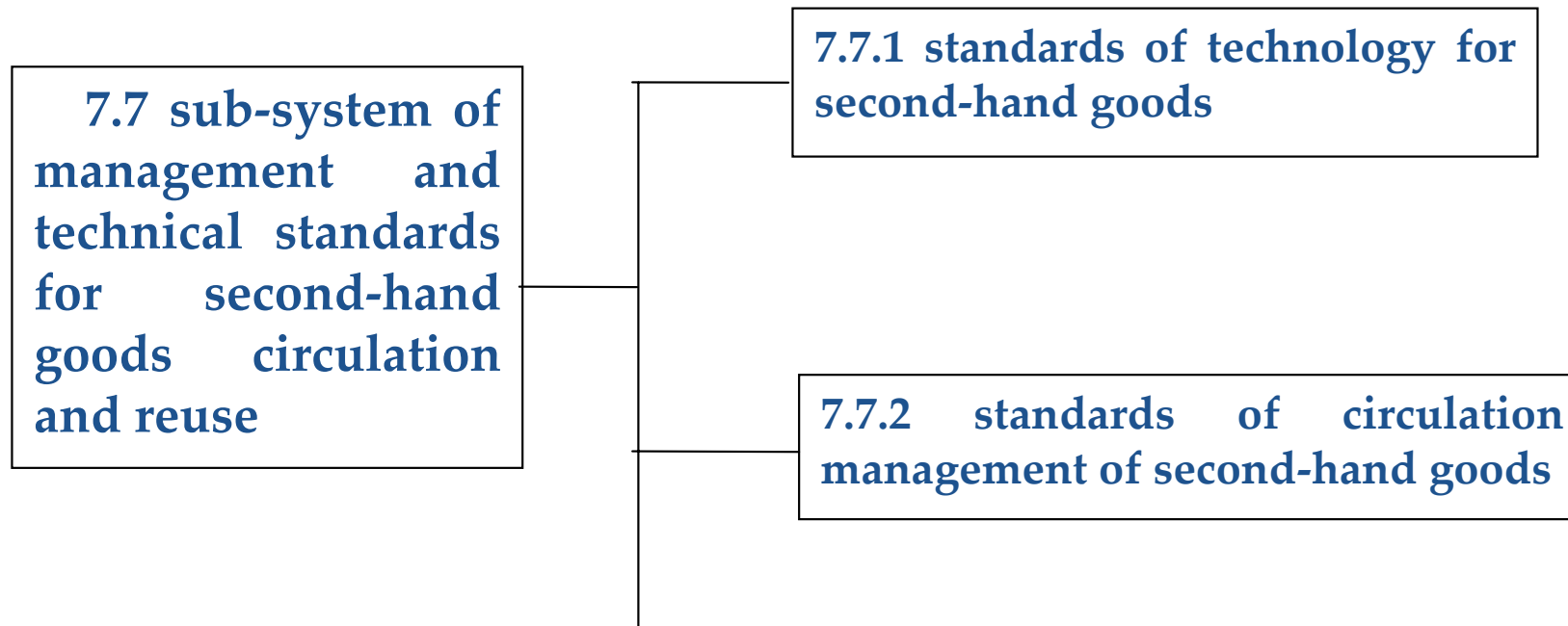
7.6.2 standards of graphic symbols and code words

7.6.3 standards of statistic methods and indexes



# Sub-system of standards for recycling and recovery of waste products

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# On-going Programmes of standards development

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- ❑ Directives of the calculation method for recoverability rate of products
- ❑ Terminology of waste products recovery
- ❑ The classification of waste products
- ❑ General principles of second-hand goods quality authentication
- ❑ Technical requirements of quality authentication for second-hand household appliances
- ❑ General principles of environmentally-conscious design of products
- ❑ Technical requirements of recovery and treatment for waste electrical and electronic products



- 1. Management strategy development of waste products;**
- 2. Implementation system of EPR;**
- 3. Research on recovery and recycling label systems;**
- 4. Research on green-purchasing scheme by government;**
- 5. Establishment of statistical information system for E-waste;**
- 6. Research of Eco-design methods and models.**

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Thanks

for your attention!