The Theoretical Framework of Customs Risk Management and Control Strategy under the Condition of Non-Traditional Security

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Agenda

1. Research motivation
2. Literature review
3. Research content
4. Main conclusions
Research motivation

The rising non-traditional security issues.

The prosperous trade of imports and exports.

The great significance of this research to customs management.

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Study on non-traditional security issues from WCO

Application study of risk management to customs in the United States and other developed countries.

Customs risk management reengineering and the application of mathematical analysis tools in the customs
Research Content

Proposing the theoretical framework of risk management under non-traditional security conditions

Quantitative research on the most important risk identification and estimate in the customs risk management

Doing an empirical study taking Shanghai Customs for example

Main conclusions
Flow Chart of Customs Non-Traditional Functions

Non-traditional Functions
- Smuggling and drug trafficking
- Intellectual Property terrorism
- Monitoring taxation
- Anti-smuggling statistic

Traditional Functions
- Port Management
- Processing Trading
- Bonded Monitoring
- International Cooperation
- .......

Non-traditional Function
Management Theoretical Framework of Non-Traditional Security

- Data Mining
- RAGA—AHP
- CBR
- Case Base
- System
- Control
- Port Management
- Process Trading
- Bonded Monitoring
- International Cooperation
- Mechanism
- Characterization
- Assessment
- NTS
- NTF
- NTS
- NTF
- Reengineering
- . . . . .
Technology Roadmap
Main conclusions

- Proposing the theoretical framework of risk management
- Security risks identification based on data mining.
- Analysis of non-traditional security risk based on RAGA—AHP
- Research on non-traditional security risk estimation based on CBR
- Doing an empirical study taking Shanghai for example
Thanks a lot for your attention and time!