

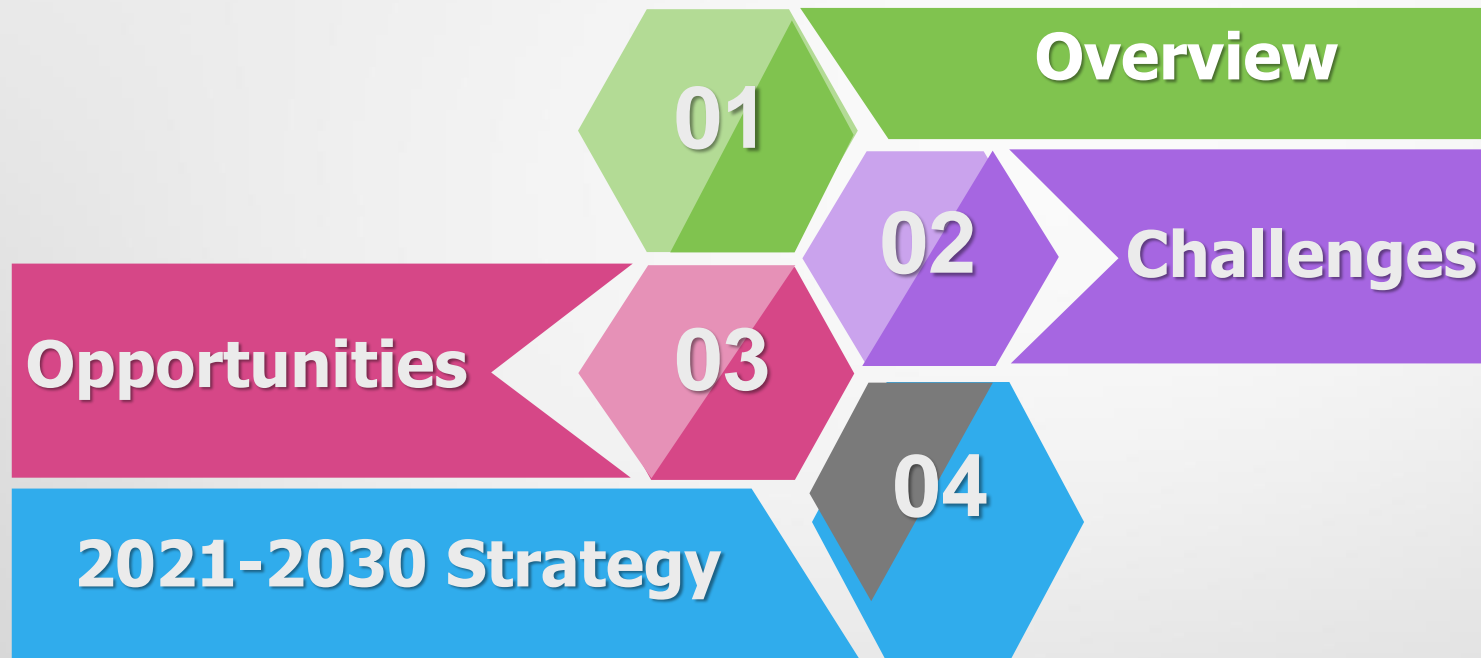


VIETNAM'S TESTING INFRASTRUCTURE IN THE PERIOD OF 2021-2025

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Content



Overview of testing activities in Vietnam



The role of testing

- As a tool to help Vietnam's products and services overcome technical barriers in trade and promote export activities
- As a technical basis for self-control the quality of chemical products of enterprises, helping management agencies to manage import, export and circulation of chemical products.

Vietnam's policy on testing

- Socialize testing activity.
- Encourage enterprises to invest in testing laboratories
- Strengthen the recognition of conformity assessment results, including testing

Vietnam's Socio-Economic Contexts



The country's economy continues to develop well in the 5-year period 2015-2020

Average growth rate of 6.8%

GDP increased 1.4 times

Import and export increased 1.7 times

Average GDP 2,750 USD

CPTPP – RCEP – FTAs

Technology Revolution 4.0

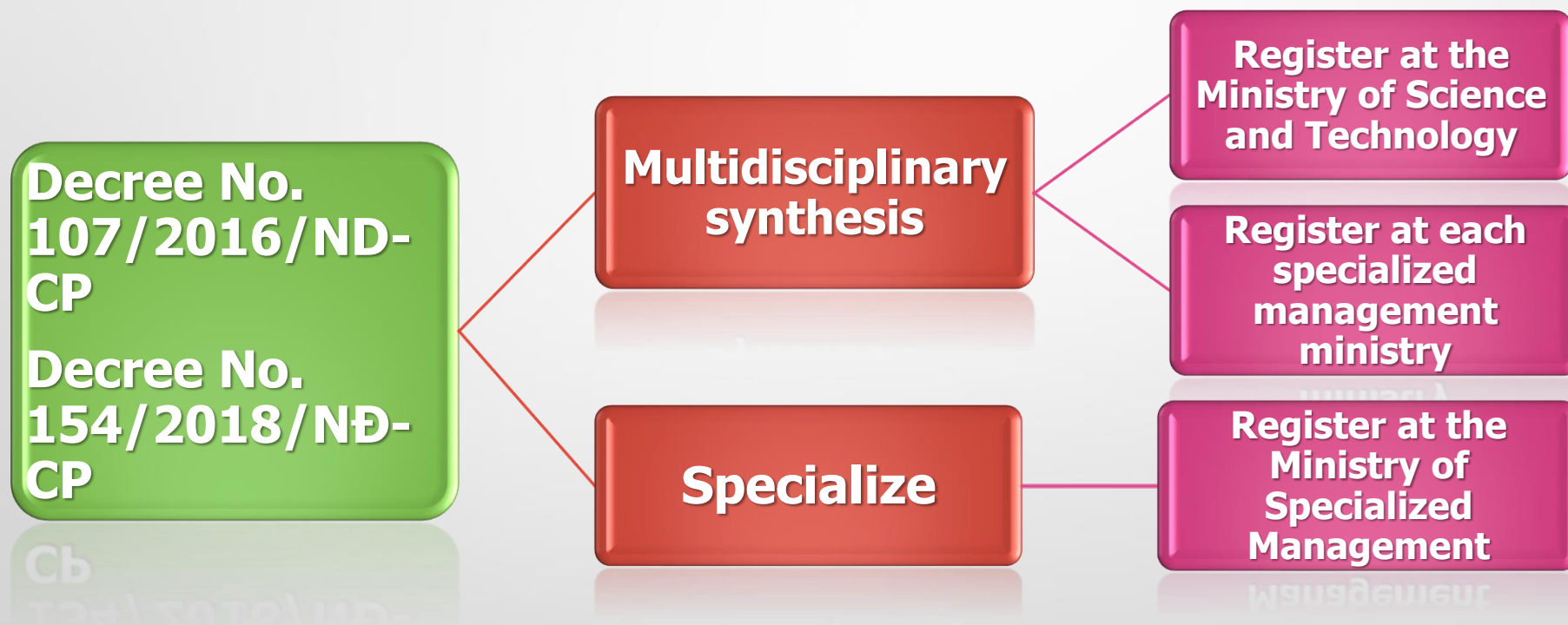
Many factors affect conformity assessment activities

Management policies

Impact of the Covid 19 epidemic

Market competition; Multinational - SME

Policies and laws on testing activities



About Designation of Test Organization



Decree No. 74/2018/ND-CP

Decree No. 154/2018/NĐ-CP

Authority to designation of testing labs

Regulations on designation of testing lab for implementing Technical regulations

Competence of some Vietnamese food safety and environment laboratories



QUATEST 1, 2, 3; NIFC; VINACERT; CASE; TSL; FCC; Intertek; SGS; TUV SUD VN; Eurofins Sắc ký Hải Đăng; NAFI 1, 2, 3, 4, 5, 6; FIRI; IQC, Biển Đức, ...

physicochemical criteria

(Amino acid composition, vitamins, fats, cholesterol, metals, mycotoxins, food additives, antibiotics, veterinary drugs, pesticide residues,...)

Microbiological criteria

(Food, water, animal feed, aqua feed, GMO...)

Environmental criteria

(Surface water, wastewater, underground water; Soil; Sewage sludge; Ambient air and working environment; indicators of environmental monitoring,...)

Vietnam's testing infrastructure



665

Food safety and environmental laboratories accredited to ISO/IEC 17025



370

Food safety and environmental laboratories registered



125

Food safety and environment certification organization registered

2.192

Accredited conformity assessment organizations



11/2021

1443

Accredited Laboratories



1289

Laboratories accredited to ISO/IEC 17025



154

Laboratories accredited to ISO 15189



More than 260 laboratories are designed to implement government inspection & requirement

Standard infrastructure, technical regulations of Vietnam



800

Vietnamese standards



80

Food safety standards



68

Environmental standards

13.000 standards

Harmonious ratio compared with international standard > 60%



11/2021

953

Food safety standards



732

Environmental standards



....

Vietnamese standards on test methods



Demand for test methods and equipment



Prohibited substances used in the health foods production and business (Aildenafil, Benproperine, Benzyl sibutramine Betamethasone, Cortisone ...)



The test method of Vietnamese standards has not been found suitable for analyzing metals such as lead (Pb) in cooking oil samples... Testing equipment is not sufficient



Regarding to Dioxin-Furan parameters in environmental samples according to EPA 1613B, EPA TO-9A, EPA 23; Organic compounds in the air which are tested according to US EPA, NIOSH standards... No organization can provide proficiency testing...



Some toxic substances in the surrounding air, POPs (Persistent organic pollutants) in raw materials, fuels, materials, products, etc.

Challenges



Competence request to implement new test methods

- Try new substances
- Regulatory residue changes (pesticide)
- Compliance with foreign processes
- New Conformity Assessment Programs

Pressure on many inspections by customers & regulators

- Overlapping inspection of many units such as management agencies, customers, accreditation organizations, ...

Competition between laboratories

- Difficulty for customers
- Reducing testing costs
- Difficult to find good testing employee

Opportunities



The economy is continuously developing, the political environment is stable, attracting investment, diversifying products, goods and services.

The Covid 19 epidemic has created new jobs: testing and evaluating medical instruments, medical equipment for epidemic prevention...

The need to ensure product quality is focused

The Government and Prime Minister promulgate many new policies in promoting the development of many fields: promoting exports, promoting key products; development strategies of industries, agriculture, logistics and smart cities in the period of 2021-2030.

Opportunities



Decision No. 1137/QĐ-TTg dated August 3, 2017 of the Prime Minister approving the Project to improve the competitiveness of Vietnam's export products until 2020, with orientation to 2030.

- *Requirements to improve the capacity of testing and certification bodies for complying with international standards regarding to export goods and products.*
- *Products with export advantages*
 - *Textiles - Shoes - Furniture - Suitcases, bags, umbrellas*
 - *Cell phones and their accessories.*
 - *Computers, electronic products and their components - Cameras, camcorders and their accessories.*
 - *Transport and spare parts - Other machinery, equipment, tools and spare parts.*
 - *Power cords and cables.*
- *Products that will have an export advantage*
 - *Raw materials for textiles, leather and shoes.*
 - *Plastics and plastic products.*
 - *Fertilizers - Chemicals.*

Opportunities



The Covid-19 epidemic has promoted the trend of shifting from traditional trade to modern trade. In the context of complicated epidemic developments, emerging many kinds of shopping such as online, mini supermarkets, and convenience stores

Vietnam has signed new generation FTAs such as CPTPP, EVFTA, and RCEP, which have opened up a lot of opportunities for businesses in the food industry to develop, increasing opportunities to export goods.

The network of testing laboratories that meeting national and international standards is the technical basis to help enterprises to implement standard and technical regulations and support enterprises to export goods.

Opportunities



Decision No. 319/QĐ-TTg approving the development strategy of Vietnam's mechanical industry to 2025, with a vision to 2035

Decision No. 200/QĐ-TTg dated February 14, 2019 on Approval of action plan to improve competitiveness and develop logistics services in Vietnam up to 2025

Decree 111/2015/ND-CP dated November 3, 2015 on the development of supporting industries

Decision 04/2017/QĐ-TTg dated March 9, 2017, stipulating the list of vehicles and equipment subject to energy labeling, application of minimum energy efficiency levels and implementation roadmap

Decision 950/2018/QĐ-TTg dated August 1, 2018 approving the project of smart and sustainable urban development in Vietnam for the period 2018-2025 and orientation to 2030

Decision No. 1322/QĐ-TTg dated August 30, 2020 of the Prime Minister approving the national program to improve productivity and quality of products and goods of Vietnamese enterprises to 2030.

Opportunities



Petroleum, fuel, minerals, construction, healthcare (Decree 83/2014/ND-CP; Decree 87/2018/ND-CP; Decision No. 49/2011/QĐ-TTg dated 01/ September 2011 ; Decision No. 53/2012/QĐ-TTg)

Information technology, e-government and the industrial revolution 4.0 (Directive No. 15/CT-TTg dated May 22, 2012; Resolution No. 26/NQ-CP dated April 15, 2015; Resolution No. Decision No. 52-NQ/TW dated September 27, 2019; Decision 950/2018/QĐ-TTg dated August 1, 2018)

Traceability and productivity and quality areas (Decision No. 100/QĐ-TTg dated January 19, 2019; Decision No. 24/2018/QĐ-TTg dated May 18, 2018; Decision No. 1322/QĐ- Circular on August 30, 2020; Circular 12/2019/TT-BKHCN dated November 15, 2019)

Development orientation



Find the suitable approach, opportunities to implement new listed legislation

Continuously Improve the lab capacity (equipments, HR and management system...)

Improve laboratory management capacity in the context of industry revolution 4.0

Development orientation



Ensure resources for equipment and chemicals

Expand international cooperation in training to improve resources, adopt new technologies, standards and techniques in testing.

International cooperation to have strong testing laboratories that have capable of providing proficiency testing, focusing on chemistry, biology, and biochemistry in the future.

Socialize the testing labs activities to support government requirements



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THANK YOU!