MAIN ISSUES, CHALLENGES AND RECOMMENDATIONS ON SEAFOOD HACCP IMPLEMENTATION IN VIET NAM
MAIN CONTENTS

1. Fishery sector of Viet Nam
2. Establishment and Implementation of Seafood HACCP in Viet Nam
3. Main issues, challenges and recommendations
1. **Key factors**
   - Coastal line of 3,260 kms
   - Privileged economic area of 1 million km$^2$ with huge continental shelf
   - Also with numerous squares of surface water and the tropical climate, Vietnam has a great potential for fishery industry
I. Fishery sector of Viet Nam

2. Catching
- 123,000 catching vessels (up to October, 2012)
- The catching at coastal line is being carried-out too much, together with the gradual increase in number of catching vessels and fishermen, is affecting the resources.
- Fishing production in 2013 was 2.5 million tonnes

3. Aquaculture
- Total area for aquaculture (in 2012): 1,200,000 ha.
- Main cultured species: pangasius, black tiger shrimp, vannamei
- Culturing methods: extensive farming, intensive farming, semi-intensive farming
- Aquaculture production in 2013 was over 3 MT
## I. Fishery sector of Viet Nam

### 4. Number of approved processing establishments

<table>
<thead>
<tr>
<th>No.</th>
<th>Markets</th>
<th>2011</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Vietnam (meeting national technical regulation)</td>
<td>526</td>
<td>599</td>
</tr>
<tr>
<td>2</td>
<td>EU/Switzerland's/ Norway</td>
<td>393</td>
<td>446</td>
</tr>
<tr>
<td>3</td>
<td>Japan</td>
<td>526</td>
<td>599</td>
</tr>
<tr>
<td>4</td>
<td>Korea</td>
<td>504</td>
<td>582</td>
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<tr>
<td>5</td>
<td>China</td>
<td>518</td>
<td>585</td>
</tr>
<tr>
<td>6</td>
<td>Russia</td>
<td>34</td>
<td>34</td>
</tr>
<tr>
<td>7</td>
<td>Brazil</td>
<td>79</td>
<td>130</td>
</tr>
<tr>
<td>8</td>
<td>Argentina</td>
<td>-</td>
<td>203</td>
</tr>
</tbody>
</table>
### I. Fishery sector of Viet Nam

5. Assignment on fishery quality control within MARD

<table>
<thead>
<tr>
<th>Responsible</th>
<th>Production stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Fish</td>
<td>Initial production (farming, catching)</td>
</tr>
<tr>
<td>DAH</td>
<td>Imports (inspecting at the border, monitoring after imports)</td>
</tr>
<tr>
<td>NAFIQAD</td>
<td>- Pre-processing, processing, storage, circulation, exports.</td>
</tr>
<tr>
<td></td>
<td>- The national monitoring program; inspection of fishing vessels.</td>
</tr>
<tr>
<td></td>
<td>- Inspection in the exporting country, approving the list of establishments</td>
</tr>
<tr>
<td></td>
<td>licensed to export fisheries products to Vietnam</td>
</tr>
</tbody>
</table>
## I. Fishery sector of Viet Nam  
5. Assignment on fishery quality control within MARD

<table>
<thead>
<tr>
<th>Production stage</th>
<th>Responsible</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. For producing breeds and aquaculture</strong></td>
<td></td>
</tr>
<tr>
<td><strong>1.1. Production, trading and utilization of vet. Drugs; fishery disease prevention and treatment</strong></td>
<td>DAH</td>
</tr>
<tr>
<td><strong>1.2. Production, trading and utilization of feeds, chemicals for environment treatment, probiotics; hygiene and safety conditions of aquaculture farms</strong></td>
<td>D-Fish</td>
</tr>
<tr>
<td><strong>1.3. Guidance and supervision of GAP application</strong></td>
<td>D-Fish</td>
</tr>
<tr>
<td><strong>1.4. Preside implementing the national residues monitoring program in aquaculture</strong></td>
<td>National Agro-Forestry-Fisheries Quality Assurance Department (NAFIQAD)</td>
</tr>
<tr>
<td><strong>2. Middlemen, handling, processing</strong></td>
<td>NAFIQAD</td>
</tr>
<tr>
<td><strong>3. Certification of consignment before placing on market</strong></td>
<td>NAFIQAD</td>
</tr>
<tr>
<td><strong>4. Carrying out investigation, tracing back of non-compliance and taking appropriate corrective actions</strong></td>
<td>NAFIQAD</td>
</tr>
</tbody>
</table>
The National Agro-Forestry-Fisheries Quality Assurance Department (NAFIQAD)

Under the Ministry of Agriculture and Rural Development

(renamed from the National Fisheries Quality Assurance and Veterinary Directorate - NAFIQAVED since February 23, 2008)

- Headquarter: 10 Nguyen Cong Hoan Street, Ba Dinh district, Hanoi, Vietnam
- Tel: 0084-4-37714195
- Fax: 0084-4-38317221
- Email: nafiqad@mard.gov.vn

Organization chart:
I. Fishery sector of Viet Nam

6. Information of NAFIQAD

NAFIQAD affiliates

- 2 Regional Authorities
- 06 Branches

All regional authorities and Branches are fully controlled by NAFIQAD Headquarters (staffs, finance...)

[Map of Vietnam showing NAFIQAD branches and headquarters]
II. Establishment and Implementation of Seafood HACCP in Vietnam

1. Legal basic

- 1995: Mandatory applies for EU exporting fisheries establishments
- 1997: Required application for companies exporting to the U.S.
- 2000: Regulation Certification and Inspection of food safety conditions (mandatory apply to all fisheries establishments)
- The Law on Food Safety, 2010
- Circular No. 14/2011 and 55/2011 (now it is 48/2013) of the Ministry of Agriculture and Rural Development (MARD) continues mandated applies HACCP in fishery production business

➢ In Vietnam: The implementation of HACCP in the fishery sector is REQUIRED
II. Establishment and Implementation of Seafood HACCP in Vietnam

2. National technical Regulation System

- Regulation on food safety conditions for fisheries production business establishments: Technical requirements for buildings, equipment and human resources for the processing factories (Frozen, Canned, dried fishery, fish sauce ...) and pre-processing facility (fishing vessels, fishing port, fish market; middle man, pre-process raw-material ...)

- Circular on food laboratory management

- These are the prerequisite requirements for applying HACCP
II. Establishment and Implementation of Seafood HACCP in Vietnam

2. National technical Regulation System (cont.)

- Technical regulation on the food safety management system: QCVN 02-02:2009 the quality management system in accordance with HACCP principles
- Regulations on Product Traceability: Circular 03/2011 of MARD
- Regulations on food safety risk analysis and management for production chain: Circular 02/2013 of MARD

➢ These are regulations on food safety quality management system
II. Establishment and Implementation of Seafood HACCP in Vietnam
2. National technical Regulation System (cont.)

- Regulation on the implementation of the national monitoring program:
  • Program to control toxic chemical residues in aquaculture and aquaculture products;
  • Program to control the food safety conditions on harvesting area of bivalve molluscs

➢ Supporting for implementing of HACCP effectively
II. Establishment and Implementation of Seafood HACCP in Vietnam

3. Seafood HACCP implementation

- **Supported projects:**
  - Project ASEAN-CANADA
  - Project supported by the Denmark
  - Other international supports
  - Programs of Government

- **Main activities:**
  - Focus on training of trainers, experts; Popularize the regulations and experience of the importing countries; strengthening the capacity of management agencies in central and local levels; strengthening the testing capacity of laboratories...

- The above activities are very important, especially in the initial stages
II. Establishment and Implementation of Seafood HACCP in Vietnam

3. Seafood HACCP Implementation (cont.)

- Training and guidance for establishments on applying HACCP:
  - Developing the lectures
  - Training of trainers: level 1, level 2
  - Training for staffs, QC at factories
  - Periodic re-training for new staffs, updated or advanced training.

- Contents:
  - Basic knowledge of HACCP, practice and examples

➤ The above activities are very important to implement HACCP in real situation of factories
II. Establishment and Implementation of Seafood HACCP in Vietnam

3. Seafood HACCP Implementation (cont.)

- Implementation of products traceability systems
  - Tracing and recall of the products
  - Meet the requirements of the authority agency

- Training knowledge, skills of HACCP verification
  - Training for QC of factories
  - Inspectors of the authority agency

- Inspection for Certification
  - Initial inspection
  - Periodic inspection: 2-4 times / year (before 2008) and now 1-2 times / year

➢ The verification activities, inspections help maintaining the HACCP implementation of factories
III. Main issues, challenges and recommendations
1. Challenges

✓ The effect factors from outside of companies

- Law enforcement (Food Safety Law): Obliged to comply with and will be subject to inspection, treatment of violations
- More stringent requirements on food safety (technical barrier) of fisheries products from importing countries.
- Environmental pollution is increasing in aquaculture causes to disease, using of chemicals and antibiotics
- Production structure are dispersed, small-scale
- Socializing in certification activities, while the low level of understanding and poor management
- Science and technology have not kept pace required
- Lack Information about the food safety hazards
III. Main issues, challenges and recommendations

1. Challenges

✓ The internal issues:

- Most of enterprises are small and medium-sized: limited resources (money, manpower,..)
- Lack of knowledge, training (in initial stage especially)
- Have to upgrade the factory conditions, equipment; regular maintenance
- Cost for implementing HACCP is high but the effect can not seen immediately, especially cost for testing.
- It takes long time, manpower, too much paperwork
- Difficulties in management of raw material’s origin
- Psychology ignore errors in monitoring and recording (fear of liability)
- Sometimes there are conflicting objectives in quality management and business unit
III. Key issues, challenges and recommendations

2. Recommendations

- Updating regularly the regulations and standards of other countries; including the Codex standards, ...
- Completing the legal system and standards.
- Strengthening the capacity of the competent authority from central to local level;
- Increasing laboratory’s capacity to socialize.
- Enhancing to have the routine training, workshop.
- Strengthening quality control and food safety management in the before processing stage;
- Cooperation and signed international agreements with the competent authorities of the importing countries.
Thank you for your attention!