Priority Processing for Lab Capacity Building
--APEC FSCF PTIN

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University of Maryland
Abbreviation

- NFSC: National Food Safety Council
- MOH: Ministry of Health
- MOA: Ministry of Agriculture
- AQSIQ: General Administration of Quality Supervision, Inspection and Quarantine
- SAIC: State Administration of Industry and Commerce
- CFDA(SFDA): China (State) Food and Drug Administration
Institutional framework in 2010
Food safety issues are complex in China

• Food safety is a shared responsibility of several departments and each department works independently.

• Food safety assessment and surveillance Program are under development.
New Change in 2013

- NFSC
- SAIC
- CFDA

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China Food and Drug Administration (CFDA’, a bigger CFDA)
Current Food Safety Framework

China Government

MOH

CFDA’

MOA

AQSIQ
Local Government Lab capacity in Shandong Province

Comprised of 17 cities, and 138 counties
About 157 thousand square kilometers
About 100 million population
Labs composition (＞68)

Third-party labs (12)
- Domestic private labs (8)
- The branches of the Multi-National Corporation (4)

Government labs (＞56)
- Province-level (＞5)
- City level (＞51)
Government Labs

Labs distribution under CFDA’, MOA and AQSIQ in Shandong Province, responsible for regulatory testing and risk assessment

--CFDA’: Processing, distribution and consumption

--MOA: Planting and cultivation of raw materials

--AQSIQ: Inspection and quarantine of import and export
# Government labs Framework

<table>
<thead>
<tr>
<th></th>
<th>Province -level</th>
<th>City (seventeen)-level</th>
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<tbody>
<tr>
<td><strong>CFDA’</strong></td>
<td>Shandong Institute of food and drug control</td>
<td>Institute of food and drug control</td>
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<tr>
<td><strong>MOA</strong></td>
<td>At least three Key labs under MOA in Shandong Province (at least)</td>
<td>At least one lab each city</td>
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<tr>
<td><strong>AQCIQ</strong></td>
<td>Technology center for inspection and quarantine</td>
<td>One lab each city</td>
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Priority needs

◆ Standardization and Harmonization for food safety
◆ Sampling
◆ Method development and validation
  ✓ Rapid testing technology for regulatory testing
  ✓ Establish the new pattern for the testing in the electronic business
◆ Qualification of Lab personnel
◆ Food safety risk assessment
◆ Food safety risk management
◆ Food safety risk communication
Export analysis of Shandong agricultural product

• Total export volume in 2012: $15 billion
• Shandong accounts for about one fourth of the total export in 2012 in China
Exported products to USA

- Meat: 8%
- Sea foods: 37%
- Vegetables: 21%
- Fruits: 11%
- Others: 19%
- Peanuts: 5%
Export refusal analysis

Refusal number in 2012: 756
Refusal number in 2011: 620

Cake and cookies
Vegetables and related products
Seafood and related products
Refusal Information Source

- IMPORT REFUSAL REPORT (IRR)
- Operational and Administrative System for Import Support (OASIS)

[Image: U.S. Food and Drug Administration Import Refusal Reports for OASIS]

- Import Refusal Reports
  - INTRODUCTION
- View Import Refusal by
  - COUNTRY/AREA
  - PRODUCT
- Translate Reason Code
  - VIOLATION CODE TRANSLATIONS
- Download Import Refusal Data Files (If using Excel to view the CSV files,)
  - 2002 - 2006 [Zip - 3.81MB]
  - 2007 - 2010 [Zip - 2.79MB]
  - 2011 - present [Zip - 3.23MB]
  - Structure of the Import Refusal Data Files

http://www.accessdata.fda.gov/scripts/importrefusals/
Reasons: Information Imbalance

- Detailed refusal reasons need to be clear enough for the exporters to avoid benefit loss
FSMA

- Especially under new regulations by FSMA
- Foreign Supplier Verification Programs (FSVP)
- Accreditation of Third-Party Auditors
Training on FSMA

A Survey on FSMA and FSVP

Interestingness of related regulation *Trainings* (governmental organized):

- VAST majority (86%) have interest in related publicizing and trainings

86%的食品企业愿意参加相关法规的培训；11%企业表示兴趣不大；3%企业表示不愿参加。

* based on a survey of 109 food facilities
Training is the first priority for both the exporters in China and importers in America.

| Platform | Keep up with the update on the regulation | Meet the general requirements | Set the documentations |
Priority Needs of Capacity-Building Plan

- Understanding and Implementing of Foreign supplier verification program
- Accreditation of third-party auditor
  Mutual recognition of inspection reports
- The multilateral acceptance of laboratory Methods and testing and detection techniques
- “Accredited” contract lab outside USA
  Multilateral acceptance of lab testing results
Solution: Cooperation

◆ Qingdao Key Lab of Modern Agricultural Quality and Safety Engineering to provide the training courses

✓ Method development and validation
✓ Risk analysis based on risk ranking
✓ Compliance with APEC regulations
Just do it!