



**Asia-Pacific  
Economic Cooperation**

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**2014/SCSC/WKSP1/009**

## **Field-Oriented Food Safety Management**

Submitted by: Korea



**Workshop on Improved Food Inspection  
Capacity Building Based on Risk Analysis  
Seoul, Korea  
21-23 May 2014**





식품의약품안전처

# Field-oriented Food Safety Management

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# **Overview of National Food Safety System**

# Statistics



Population : 50 million

Food business : 1 million

Central Government Authorities

- Ministry of Food and Drug Safety
  - 6 regional offices
- Ministry of Agriculture, Food and Rural Affairs
- Ministry of Oceans and Fisheries

17 Municipal Provinces

> 3,000 food inspectors

# Integration of Food Safety Authorities

## Various Agencies

	Produce	Import	market	consume
Agricultural produce	Grey	Yellow	Yellow	Yellow
Seafood	Grey	Red	Red	Yellow
Livestock	Grey	Grey	Red	Yellow
Processed foods	Yellow	Yellow	Yellow	Yellow

## Single Agency (MFDS)

Some authority consigned to MAFRA or MOF

	Produce	Import	market	consume
Agricultural produce	Red	Yellow	Yellow	Yellow
Seafood	Red	Yellow	Yellow	Yellow
Livestock	Red	Yellow	Yellow	Yellow
Processed foods	Yellow	Yellow	Yellow	Yellow



Ministry of Food and Drug Safety



Ministry of Agriculture, Food & Rural Affairs



MFDS, MAFRA & Ministry of Oceans & Fisheries

MFDS cooperates with MAFRA and MOF.

Consigned authorities can be cross-checked by interagency activities.

# Food Control Infrastructure & Regulatory Framework

## Food Legislation

- Food Hygiene Law
- Food Safety Basic Law
- Health Functional Food Law
- Livestock Products Sanitary Control Act
- Related Regulations : Food Code, Food Labeling Standards etc

## Inspection & Surveillance

- Safety Assurance Activity by industry, 3<sup>rd</sup> party audit
- Government Monitoring and Surveillance (Harvesting, Processing, Distribution and at the borders)

## Laboratory

- Food & Livestock Hygiene Testing Laboratories (Including 16 Provincial Laboratories)

## Capacity Building

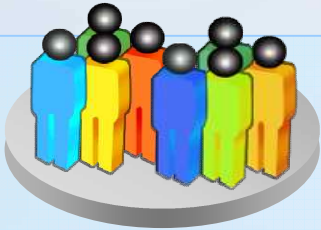
- Training for Municipal Food Inspectors
- Education for Food Industry (Associations)
- Food Safety Campaign for Consumers



# Food Safety Control Enforcement

Monitoring & Surveillance

Legal Actions



Food Business Operators



Food Products

Hazardous Chemicals,  
Pathogens,  
Contaminants,  
Adulteration

inspection

Violations

Surveillance

Unfit, illegal

Preliminary  
Actions

Unapproved

Administrative  
Actions

Recalls

Prohibition of  
Sales

## **Emerging Challenges ..**

**Environment Contamination**

**Increasing International  
Food Trade**

**Rising public concern for  
food safety**

**MFDS  
Integrated  
Food and Drug  
Safety Control  
Agency**





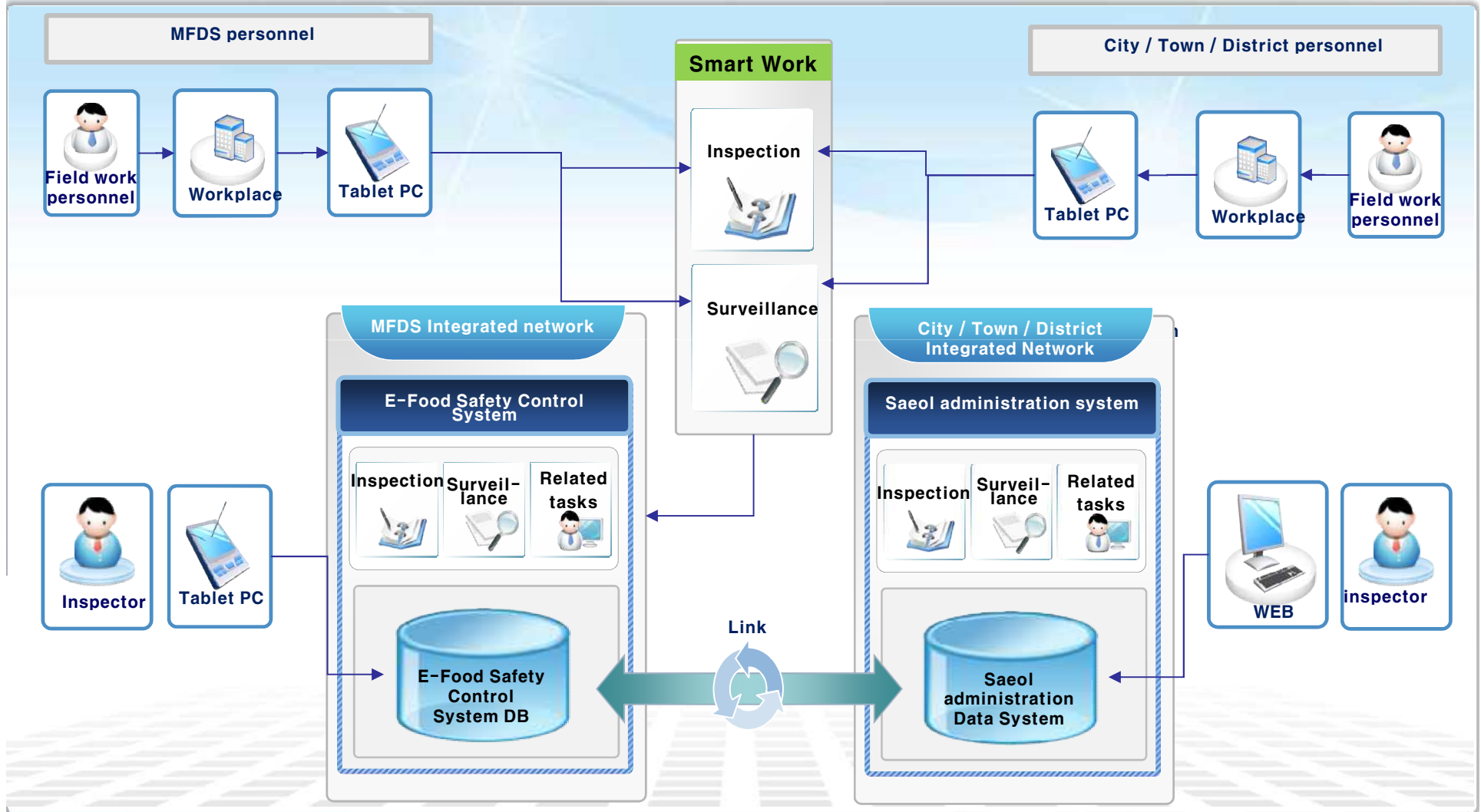
# **e-Food Safety Control System**

## Smart Working Environment

e-Food Safety  
Control  
System  
For Nationwide  
Collaboration

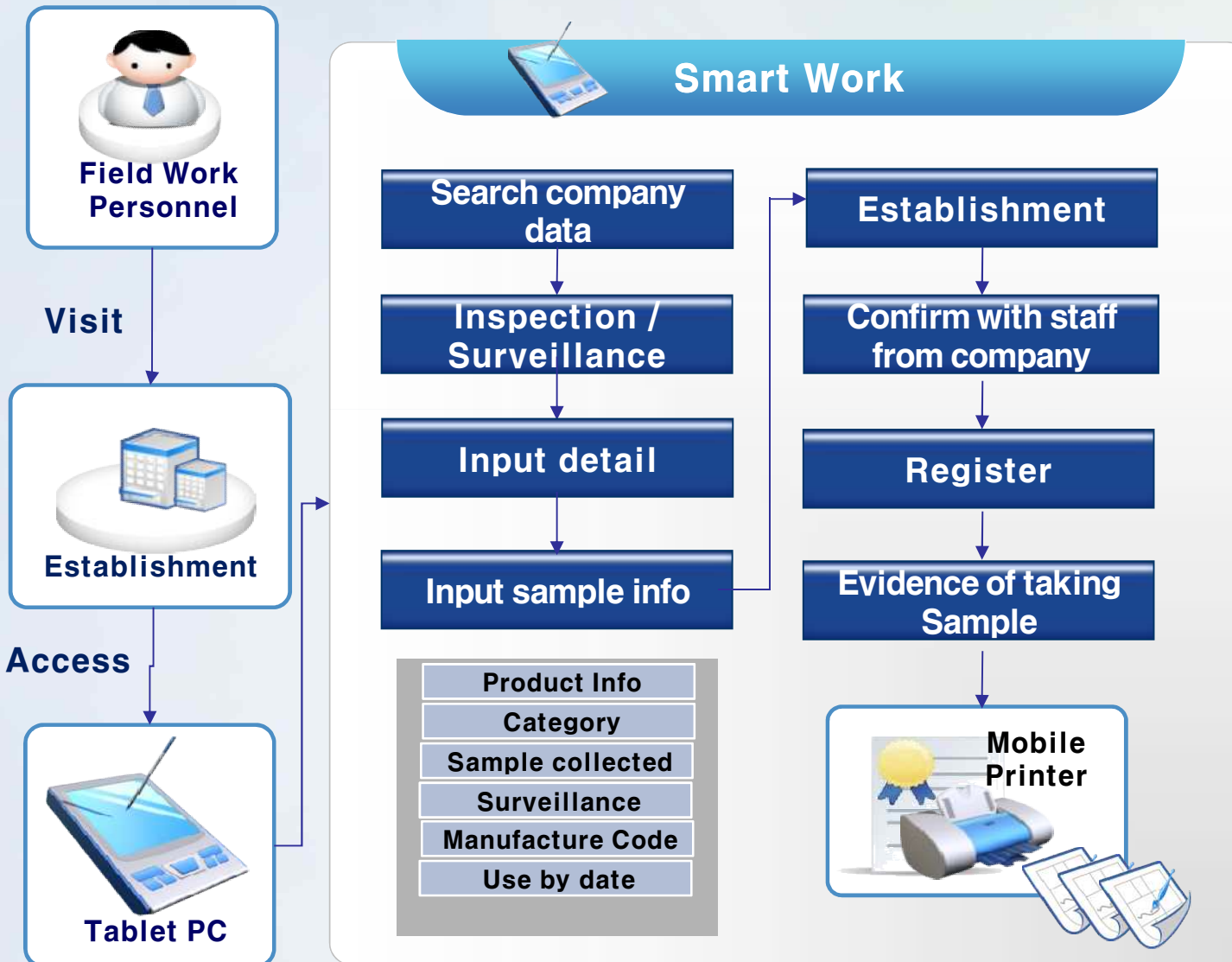
- Information Sharing & Transmission Nationwide immediately to/from MFDS and local Authorities
- Faster & Prompt Response to Routine Investigation & Crisis Management Situations
- Nationwide Status Monitoring for ;  
Inspection & Surveillance, Product Sampling & Testing  
Prompt Recall, On-site Investigation, Reporting, etc.

# Smart e-Food Safety Control System



# Smart e-Food Safety Control System

for efficiency and for minimising duplication



# Smart e-Food Safety Control System

## - Nationwide Monitoring & Surveillance



### 기획 단속 1일 상황 현황

2012년 03월 20일 07:56

단속명	편의점 즉석조리식품 점검/37일차		
단속기간	2012.02.13~2012.03.22	39일간	
동원인력	당일 0	누계 1888	
1일 진행율	0% <span style="display: inline-block; width: 100px; height: 10px; background: linear-gradient(to right, #ccc, #ccc);"></span>		

점검율	1,166건 <span style="display: inline-block; width: 100px; height: 10px; background: linear-gradient(to right, #ccc, #ccc);"></span> 1건									
적발율	6건 <span style="display: inline-block; width: 100px; height: 10px; background: linear-gradient(to right, #ccc, #ccc);"></span> 1,166건									
검사진행율	0건 <span style="display: inline-block; width: 100px; height: 10px; background: linear-gradient(to right, #ccc, #ccc);"></span> 0건									
부적합율	0건 <span style="display: inline-block; width: 100px; height: 10px; background: linear-gradient(to right, #ccc, #ccc);"></span> 0건									

#### 지역별 동원인력 및 점검율



#### 일자별 합동 단속 진행 현황

일자	점검업소	적발업소	수거품목
총계	1,162	6	0
1	6	0	0
2	9	0	0
3	35	0	0
4	73	0	0
5	61	1	0
6	0	0	0

#### 지역별 합동 단속 진행 현황

구분	동원인력	점검업소		적발업소
		당일	누계	당일
총계	1,888	0	1,166	0
본청	0	0	0	0
서울청	0	0	0	0
부산청	0	0	0	0
경인청	0	0	0	0

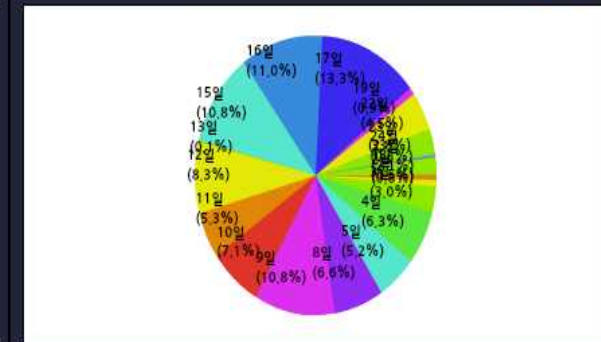
#### 수거검사 현황

수거건수	0건
의뢰건수	0건
부적합	0건

#### 메모관리

- 긴급지시
- 기획단속 메모관리
- 설 성수기 비상시 단속

#### 일자별 점검율



# **Automatic Sales Block System**



# Smart Recall System

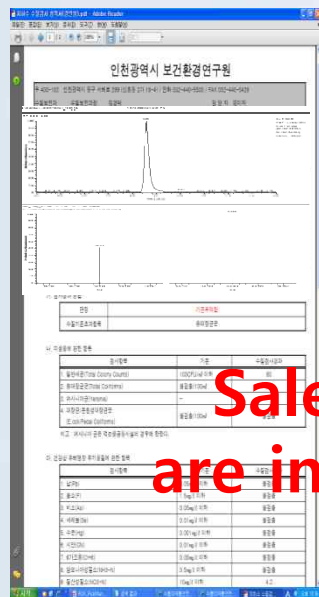
Rapid Recall  
Procedure for  
Consumer  
Assurance

- Faster & Prompt Reliable Recall System is needed;
- Time Gap between Testing – Announcement – Sales Ban & Actual Withdrawal from the market ;
- Cause Consumer Concern as they ate yesterday prior to the official announcement of the findings,
- Cause Consumer Distrust as they cannot distinguish unsafe products with other products

# Automatic Sales Block System at the Point of Sales using Barcode in cooperation with the private sector

- Government Test Results are instantly provided to affiliated retail stores for prompt recall
- \* Testing Laboratory -> MFDS -> Korea Chamber of Commerce and Trade -> Sale Ban become effective immediately

42,134 business operators, 17 million people daily, 2 million products



Sales of the unconformed Products identified are instantly prohibited at affiliated Retail Stores Within 5 minutes

# Automatic Sales Block System (ASBS)

## Store with 'ASBS'



## POS with 'ASBS' operation



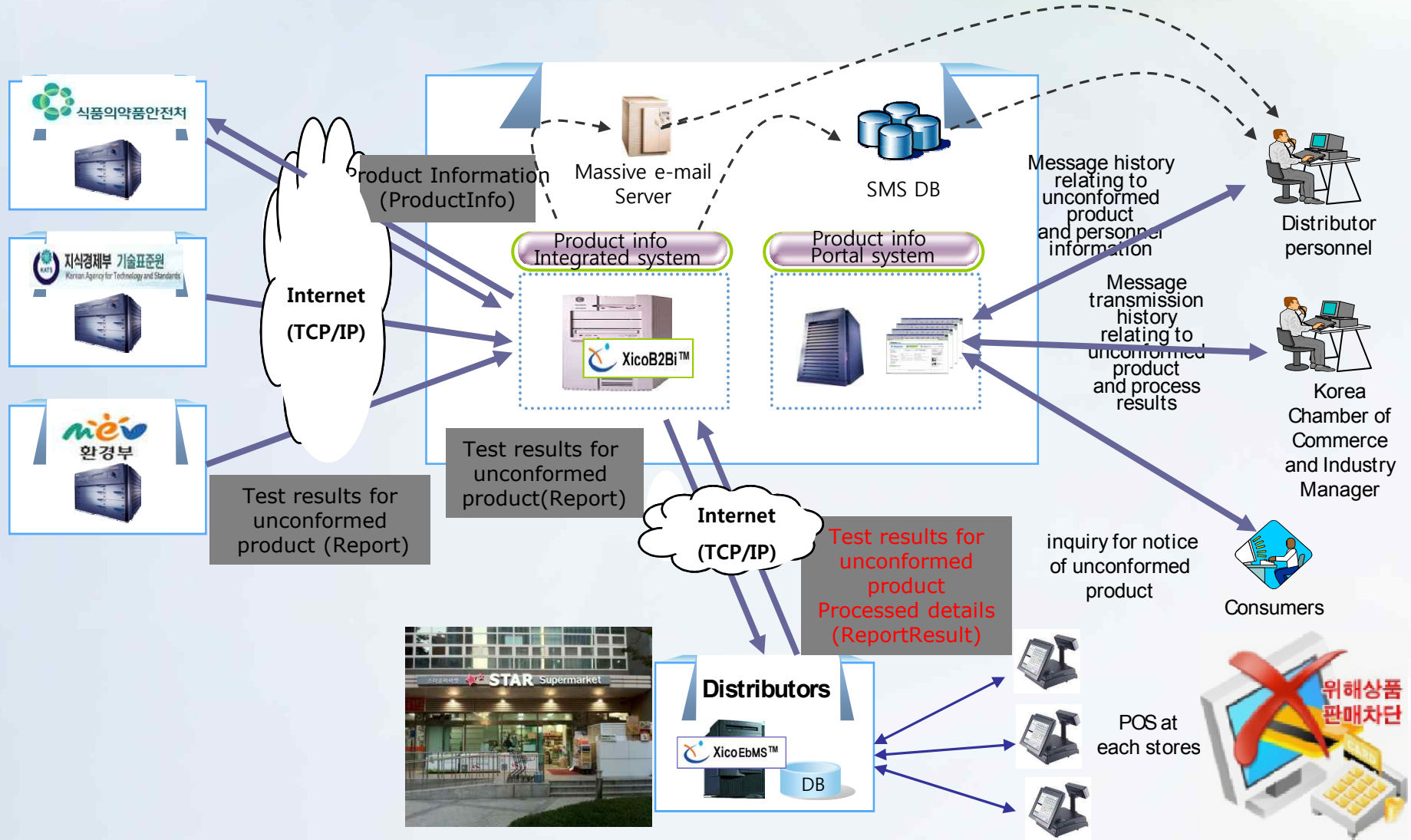
## Unsafe Product-Sale Blocked



## Product's barcode scanned

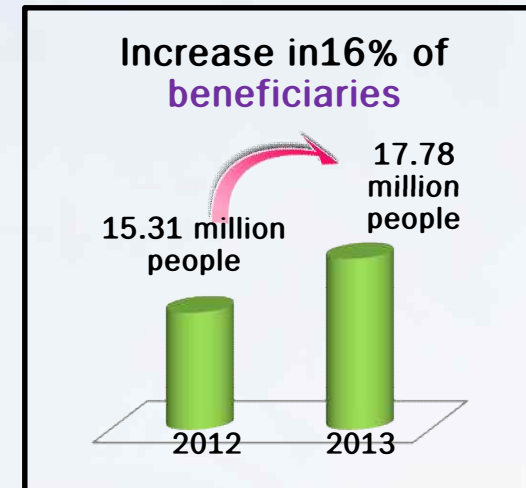
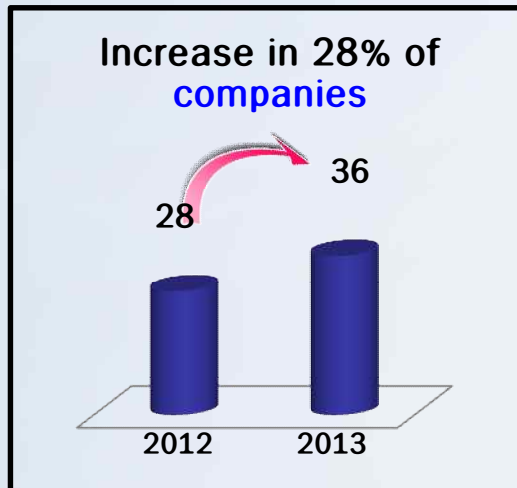


# Automatic Sales Block System at the Point of Sales using Barcode in cooperation with the private sector



# Current Status of Automatic Sales Block System

- ❖ 2009, the pilot project will be performed at large companies such as department stores
- ❖ Expanding participation in the Automatic Sales Block System rapidly
- ❖ 2014, it will be extended to small business places (About 50,000)



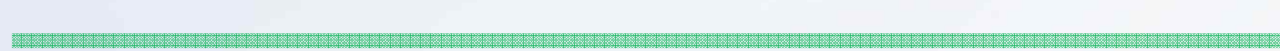
## ➤ Sales block of unconfirmed food

Past



2~3days

Present



immediately

For More Information,

E-FOOD SAFETY CONTROL SYSTEM

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AUTOMATIC SALES BLOCK SYSTEM

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