

E-traceability in Thailand: Lessons from Implementation

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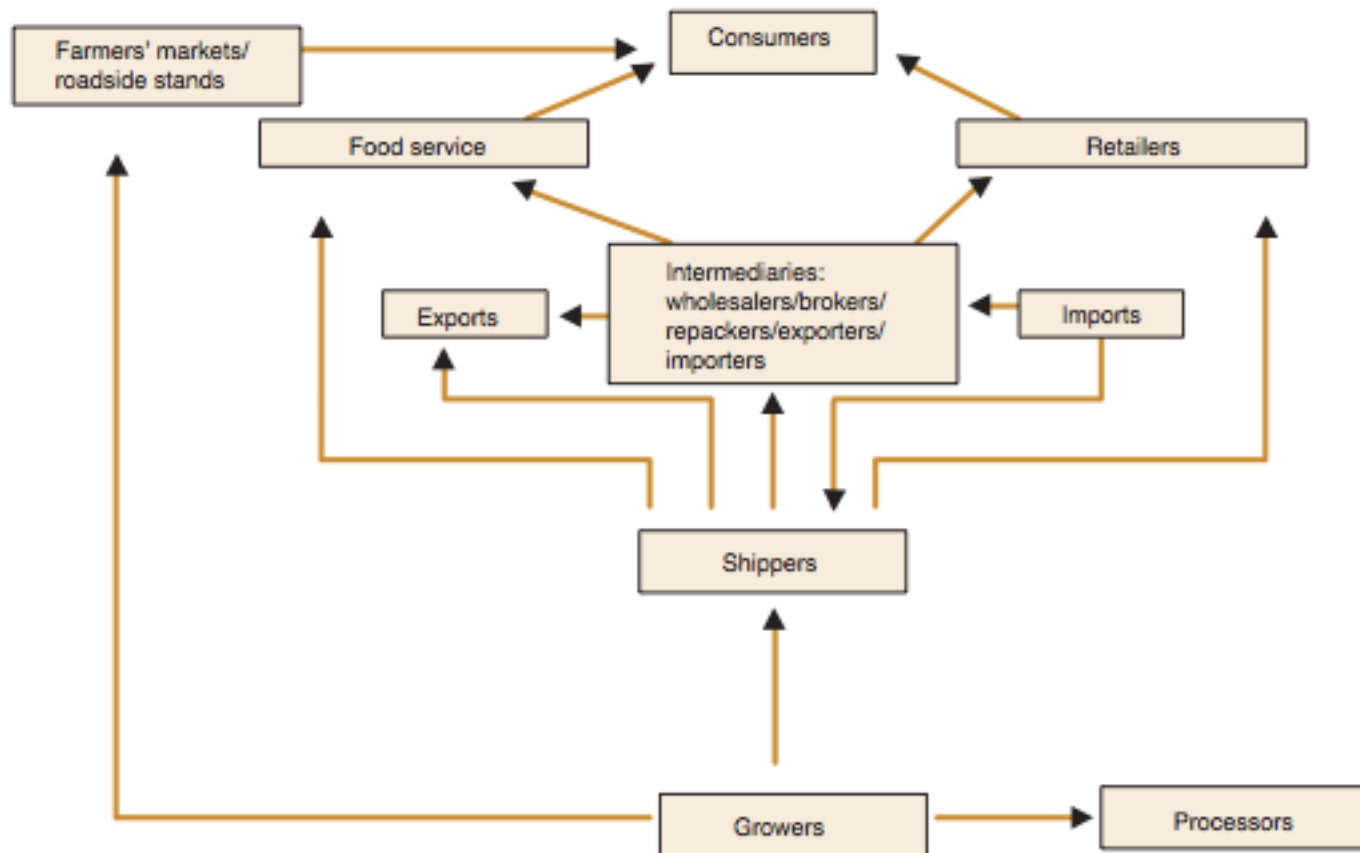
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Introduction

- ACFS is a government agency responsible for food safety standard setting of agricultural and food products. The agency is also the national accreditation body for conformity assessment system of the products. In addition, ACFS is the national contact point under WTO-SPS/TBT agreements. The agency affiliates to the Ministry of Agriculture and Cooperatives.
- Human resources: 200

Tracing fresh produce through the food marketing system



objectives

- Food safety control
 - Rapid response to food incident
 - Recall and withdrawal
 - Corrective action

Traceability for Business world

- Improve production line efficiency
- Differentiate product
- Facilitate trade flow and logistics
- Fulfil trade requirement

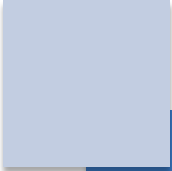
Implementations at ACFS

- Traceability standard for producers
- Pilot systems
 - Traceability for banana cooperatives
 - Pilot with major commodities : Chicken/Shrimp/sweet corn
 - Mobile traceability for Mango
 - RFID system at Royal Project Foundation
 - Online traceability for organic rice
- Traceability software for SMEs
- Standard coding system

Challenges

- Food safety management
- Record keeping
- Information sharing

lessons/recommendations



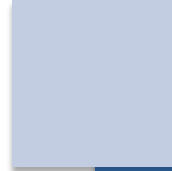
Challenges

- Food safety management



lessons

- Limited adoption of good practices
- Stringent audit system is key factor of success



recommendation

- Strengthen GAP promotion
- Strengthen internal audit
- Encourage private sector to provide third party audit services

lessons/recommendations



challenges

- Record keeping



lessons

- No record
- Incomplete/incorrect information
- No link established between incoming and out going items



Recommendations

- Automate system
- Production in batch

lessons/recommendations



challenges

- Information sharing



lessons

- Information security (central system)
- Different coding system



recommendation

- Develop guideline
- Traceability network
- Use harmonized code (GS1/ISO/UNCEFACT)

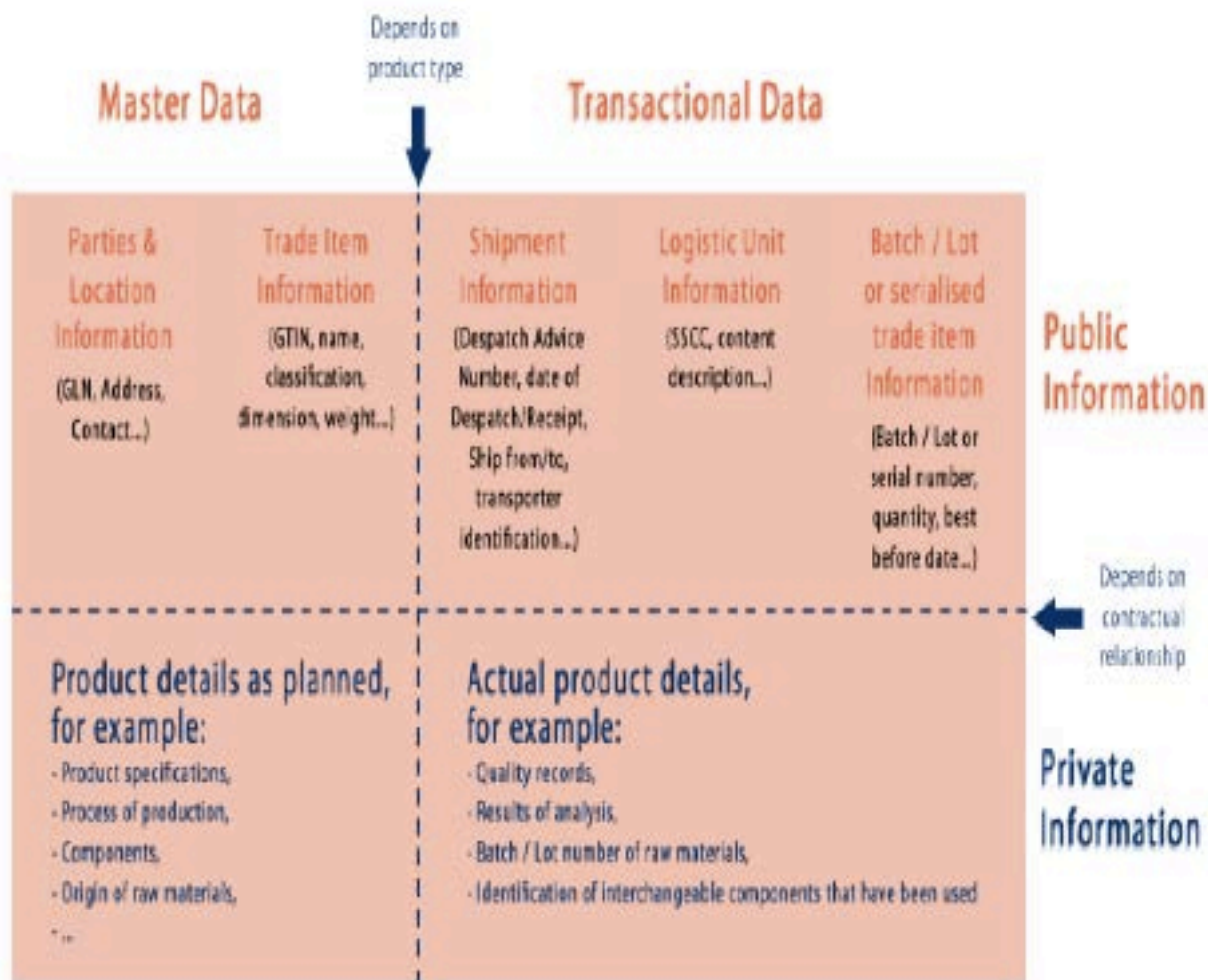
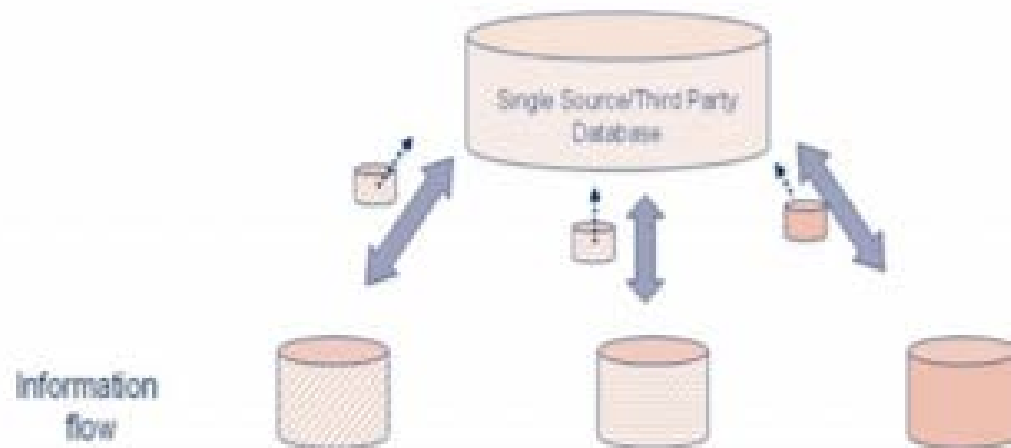
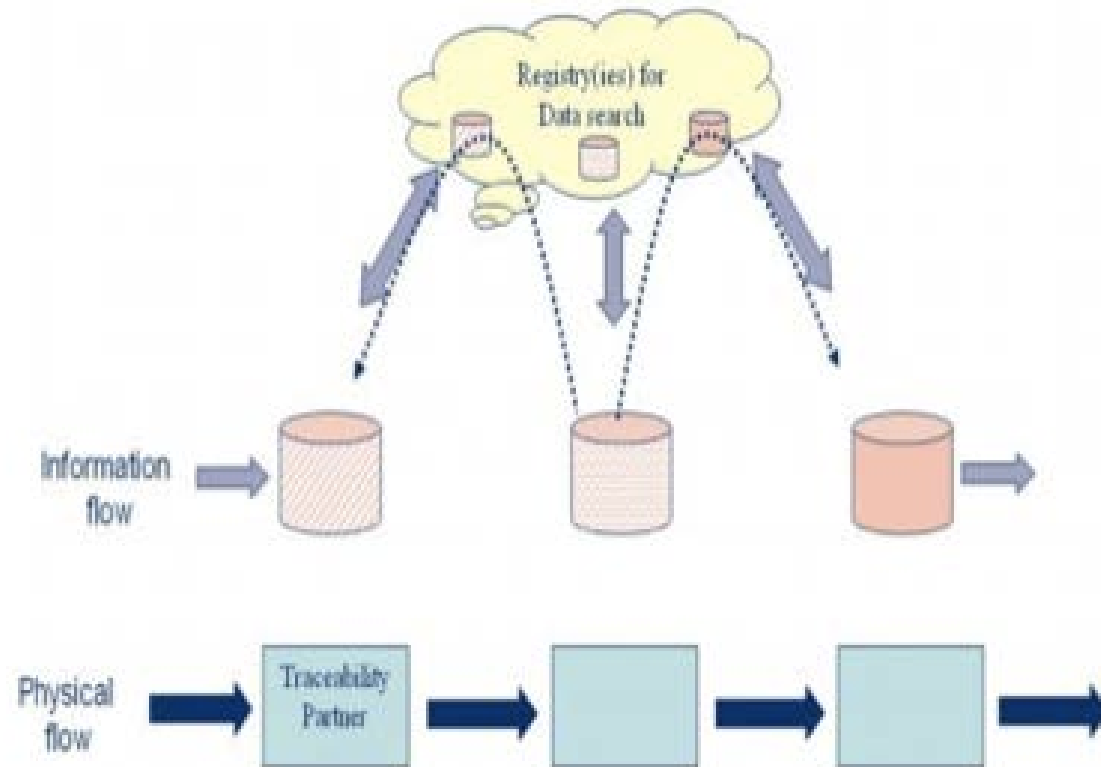


Figure 18: Data and Information depending on Product Type and Contractual Relationship

4.2.2.7.2 Centralised Database

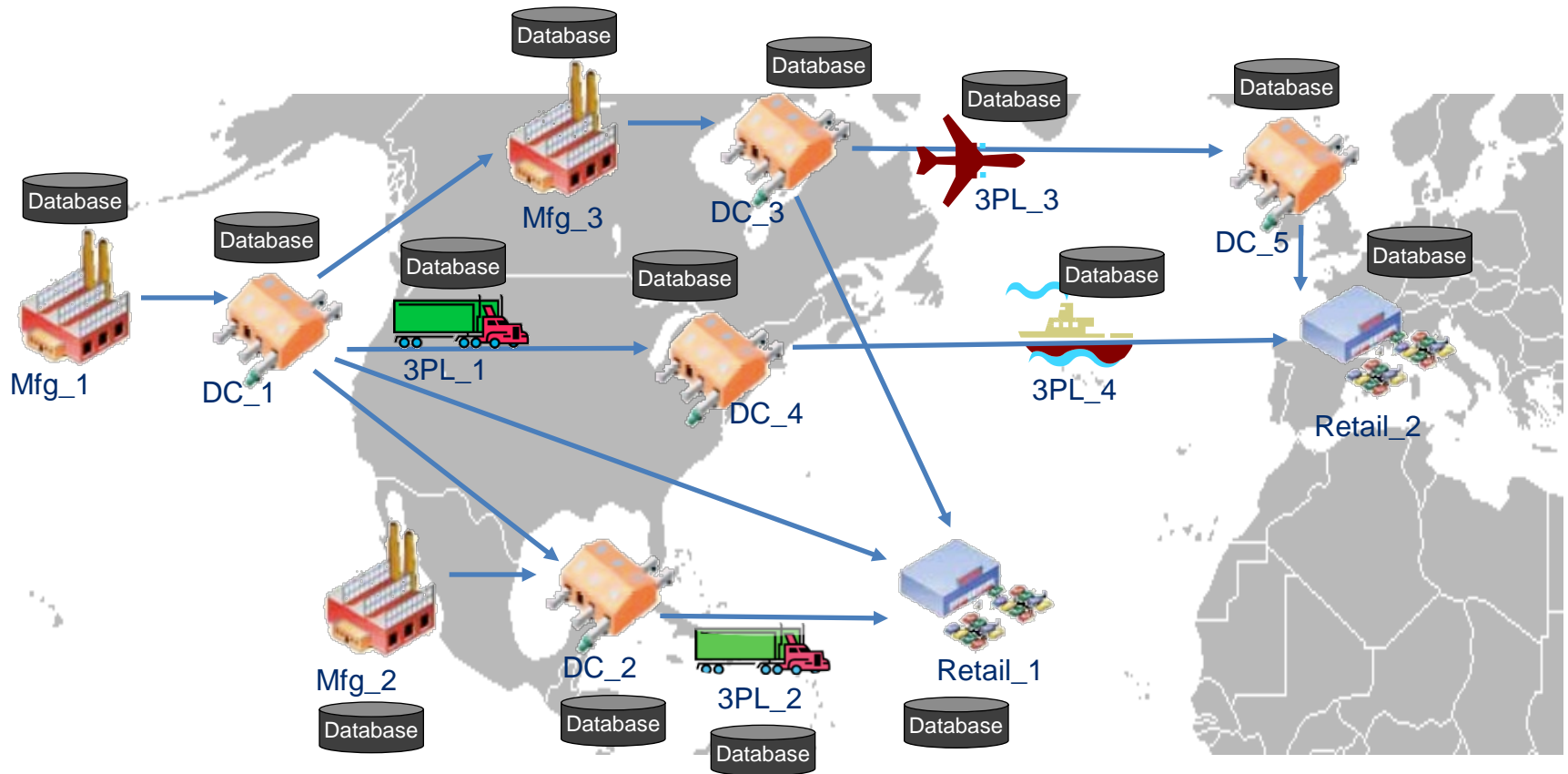


4.2.2.7.4 Traceability Network



Traceability information sharing

- data sharing in non-monolithic supply networks?



Courtesy Dr. Phaopak Sirisuk

Issues to address

- Inclusiveness adoption
- Policy/regulatory system
- Borderless and Paperless/e-trade
- Type of data
- Information sharing system
- IT Interoperability
- Big data

Traceability

1. The traceability of food, feed, food-producing animals, and any other substance intended to be, or expected to be, incorporated into a food or feed shall be established at all stages of production, processing and distribution.

2. Food and feed business operators shall be able to identify any person from whom they have been supplied with a food, a feed, a food-producing animal, or any substance intended to be, or expected to be, incorporated into a food or feed.

To this end, such operators shall have in place systems and procedures which allow for this information to be made available to the competent authorities on demand.

3. Food and feed business operators shall have in place systems and procedures to identify the other businesses to which their products have been supplied. This information shall be made available to the competent authorities on demand.

4. Food or feed which is placed on the market or is likely to be placed on the market in the Community shall be adequately labelled or identified to facilitate its traceability, through relevant documentation or information in accordance with the relevant requirements of more specific provisions.

5. Provisions for the purpose of applying the requirements of this Article in respect of specific sectors may be adopted in accordance with the procedure laid down in Article 58(2).

Recommendations

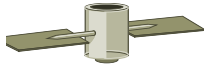
- Target high risk products
- Aim at producer of product with special claim
- Raise consumer awareness
- Convince what benefit producer can get

Royal Project Foundation

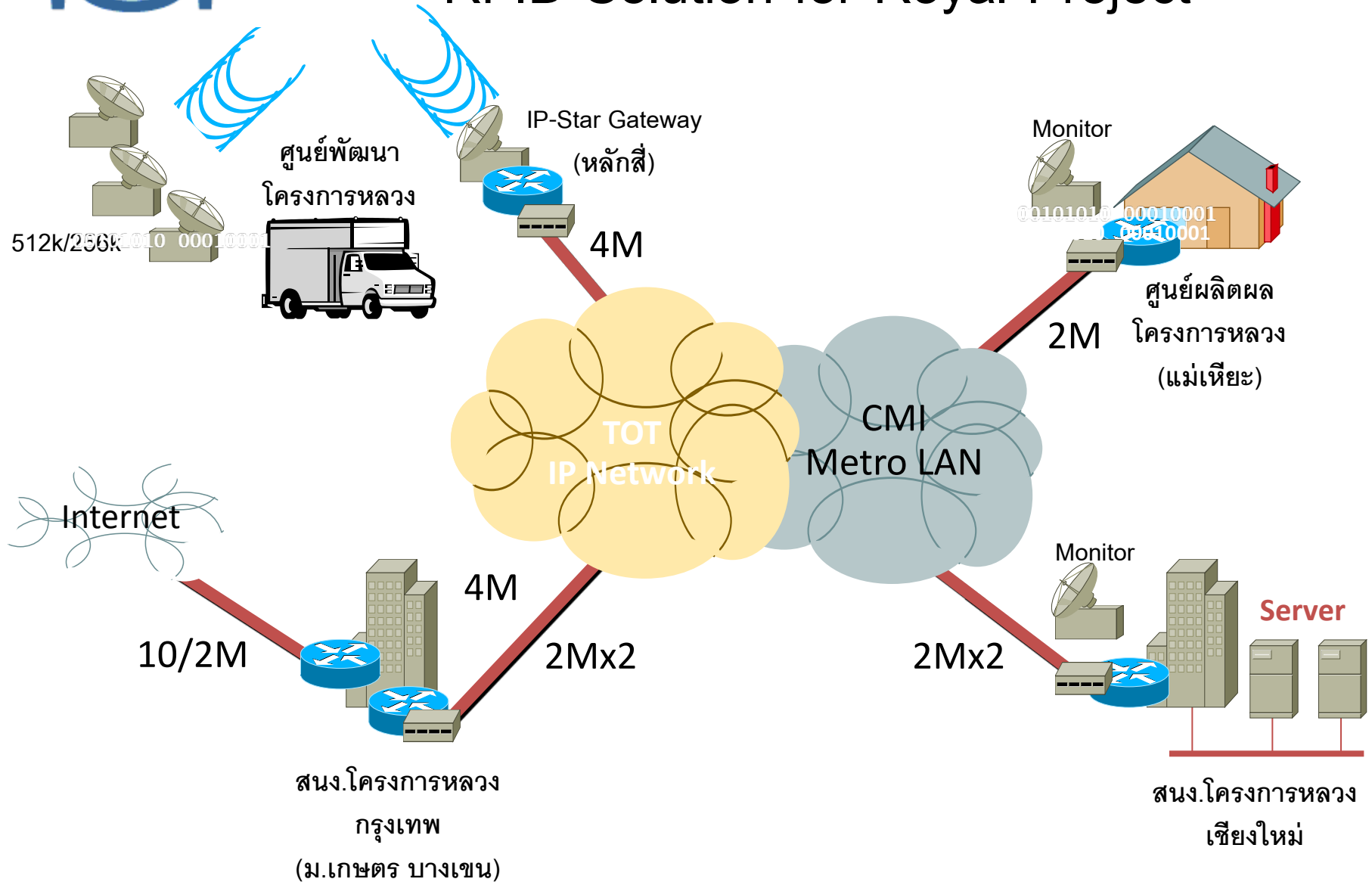








RFID Solution for Royal Project



Thank you

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