TURKISH DRUG & MEDICAL EQUIPMENT

NATIONAL DATA BANK PROJECT

Presentation Plan

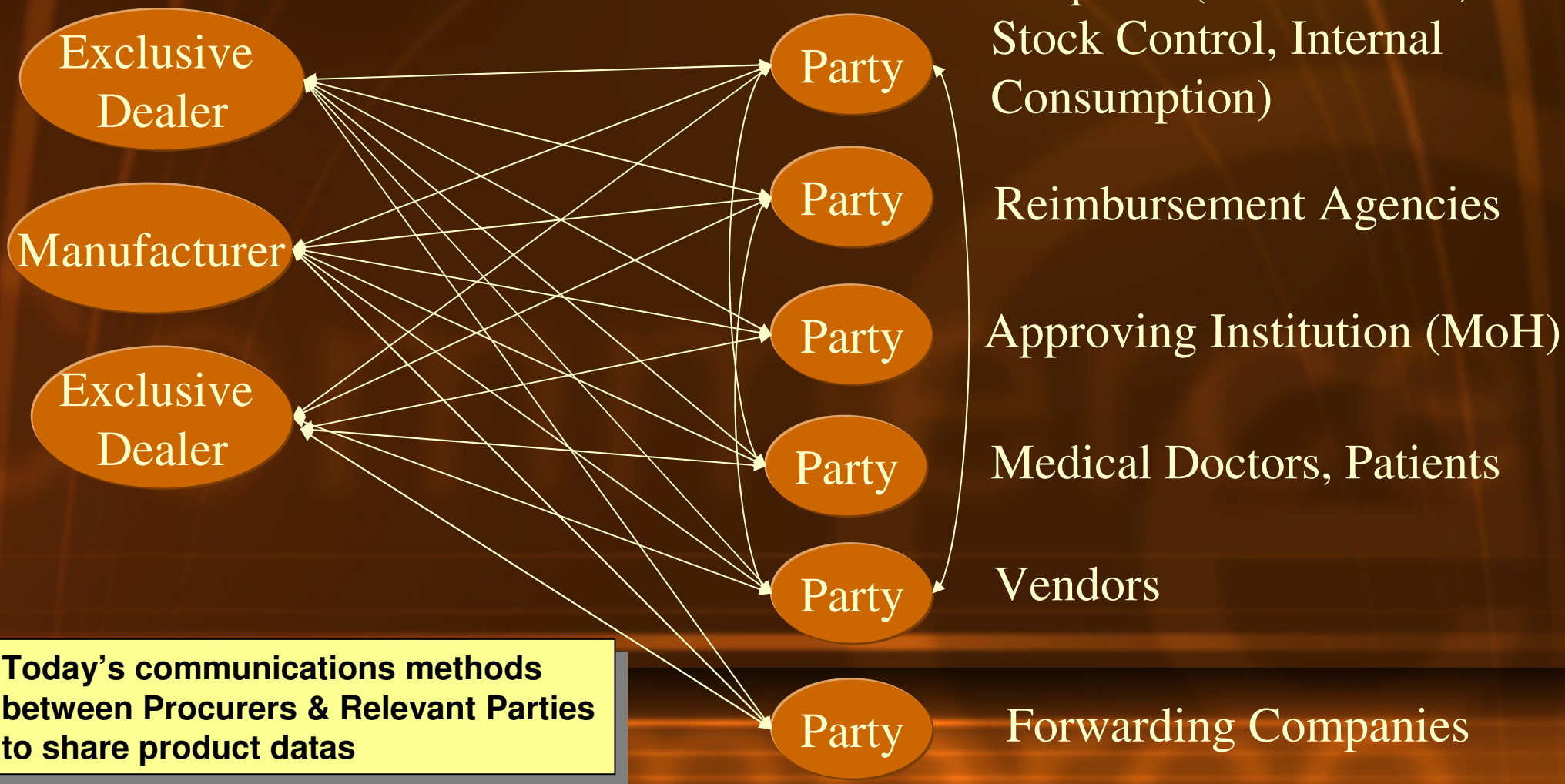
1. Goal
2. Current Situation
3. Recommended Model
4. Issued Performances
5. Developed System
6. Current Datas

Goal

The essential goal of this national data bank project for drug & medical equipment is to create a common language, to share datas electronically between all relevant parties like; manufacturers, exclusive dealers, distributers, purchasers, users, inspecting authorities and reimbursement agencies.

CURRENT SITUATION

Current Situation



Today's communications methods between Procurers & Relevant Parties to share product datas

Problems & Difficulties

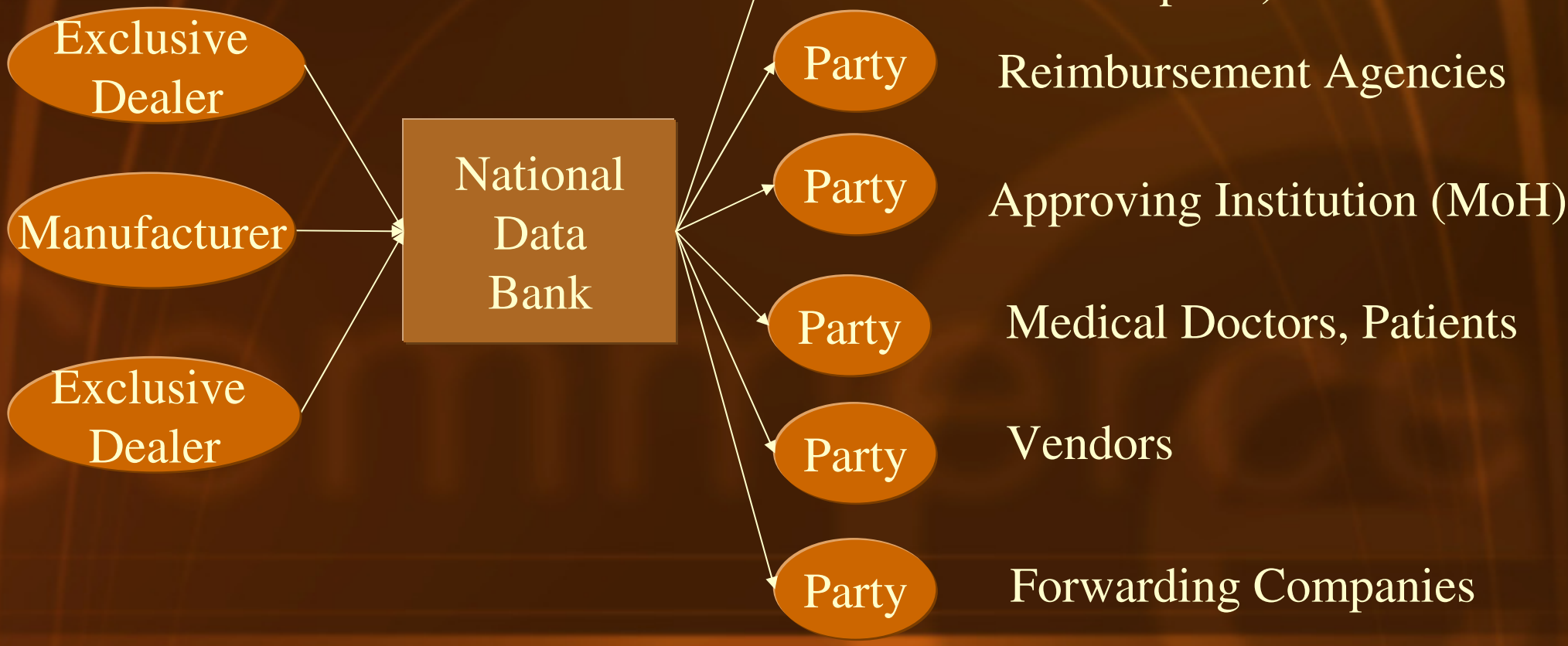
- Communication does not have a standard model.
  - Phone, fax, internet, e-mail, paper
  - Sometimes an exclusive dealer answers for requested data,
  - Sometimes this data comes from a third party.
- Requires plenty of communication traffic.
- Each party has its own way of data recording model.
- Different parties have different datas for the same product specifications. (no harmony)
- No classification. Products could not be grouped.

Results

- Does not fulfill the requirements of reimbursement agencies.
  - Rules are conformed only for a group of products not for every single item
  - Difficulty to establish relations between group of product and the item itself
- Almost impossible to observ and inspect the local market functions and activities.
- Severe threat for patient safety.
- Does not support e-commerce procedures.

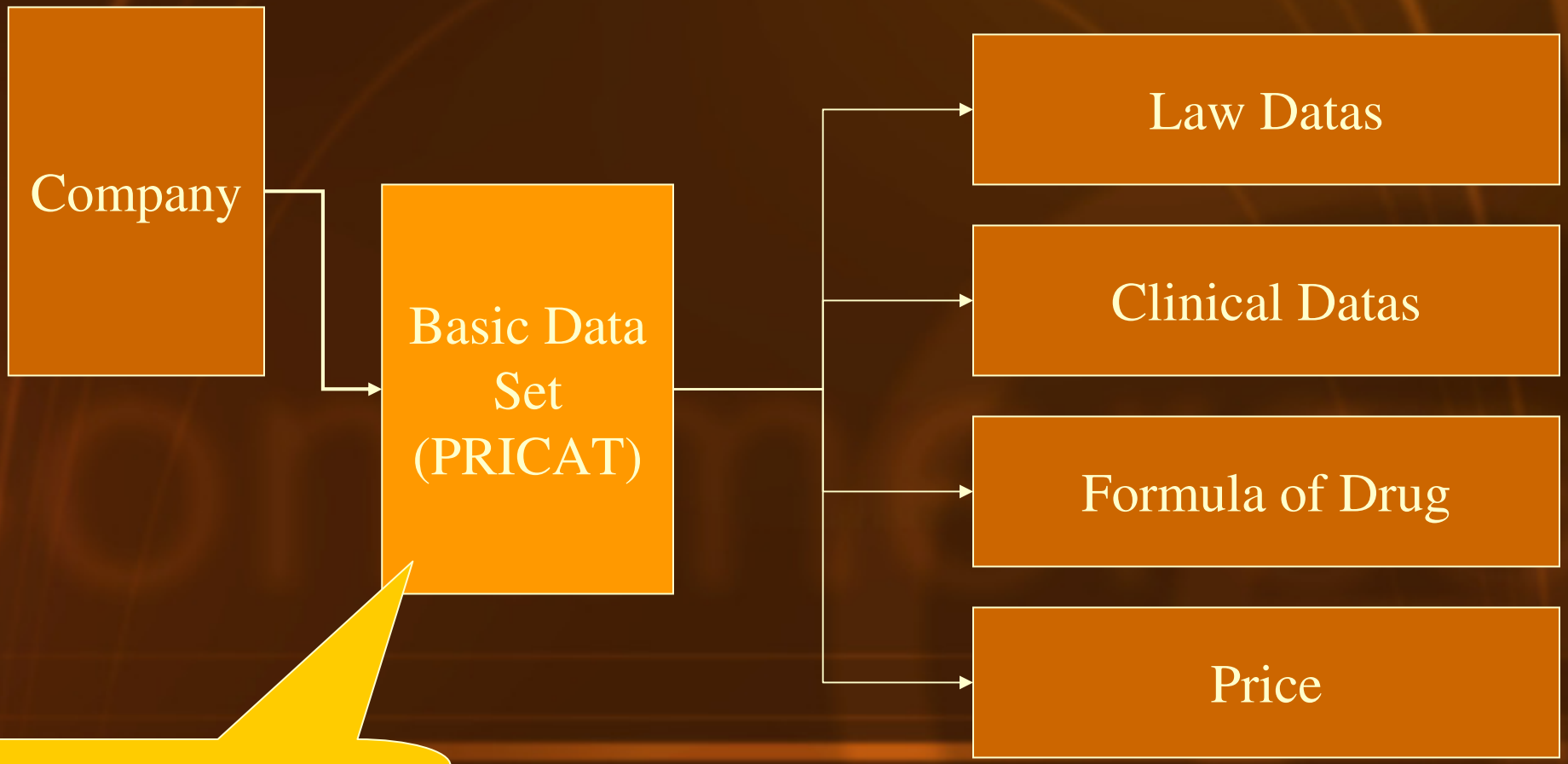
RECOMMENDED MODEL

Recommended Model



Electronic Procurement

Data Model



Mandatory Data Set for Country Scale Data Synchronization

Everyone uses his requests with PRICAT document.

Most Important Data Field

EAN-13
HIBCC

- Global Trade Item Number (GTIN)
  - Specifies the item uniqually all around the world.
  - Uniqueness of number is not sufficient,
  - Shall be reached by all parties upon request spontaneously.

GTIN in EAN-13 Barcode Symbology

GTIN is on the item as well as

in the Data Bank

ISSUED PERFORMANCES

Issued Performances

- Decision of a common data set for Drugs & Medical Equipment to collect the necessary datas.

  (July 21 - Oct 03, 2005)

Only this stage took 2 years in Australia

- Decision of another necessary datas to collect for Drugs & Medical Equipments

  (Oct 03, 2005 - Feb 14, 2006)
- Design of Forms for Data Entries

  (Oct 03, 2005 - Feb 14, 2006)
- Preparation of Manuals for Utilisation of Relevant Forms & Procedures

  (Oct 03, 2005 - Feb 14, 2006)

Issued Performances

- System Development Kick-Off.
  (Start: Feb 15, 2006)
- Translation of UNSPSC (United Nations Services and Products Standard Codes) Classification System.
  (Completion: Mar 03, 2006)
- Translation of Newest Release of GMDN (Global Medical Device Nomenclature) System.
  (Completion: Apr 06, 2006)
- Implementation of ***First Release***
  (Apr 10, 2006)

DEVELOPED SYSTEM

General Specifications

- Works fully in an electronic environment. (Web)
- Product datas & details are submitted directly by accreditated users of the Companies.
- The approval of datas entered by users of Companies are done by authorized staff after a period of acceptance.
- Detailed registrations of all procedures are stored.

Universal Standards Used for Medical Equipment

- EAN Suggestions & Standards for PRICAT Data Model.
- EAN-13 & HIBCC Codes for product identification
- GLN(Global Location Number) for Company Identification.
- UNSPSC (United Nations Services and Products Standard Codes) & GMDN (Global Medical Device Nomenclature) for Medical Equipment Classification.

Universal Standards Used for Drugs

- ATC (Anatomic-Therapeutic-Chemical) for Drug Classification System and NFC (New Form Codes) System.
- Unit of Measurements: ANSI-UOM (regarding EAN suggestion)
- WHO-INN Standard for *Active Ingredients*
- ISO-3 Digits for National Country Codes

CURRENT DATAS

Current Datas

(October 25, 2007)

- 1350 Accreditated Company.
- Appr. 336.000 issues for Medical Equipments
- Appr. 105.000 approved item.
- Appr. 46.000 rejected
- Appr. 185.000 waiting approval

PARTNERS

- Buraya projedeki kuruluşların amblemlerinin konulması faydalı olabilir.