

***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

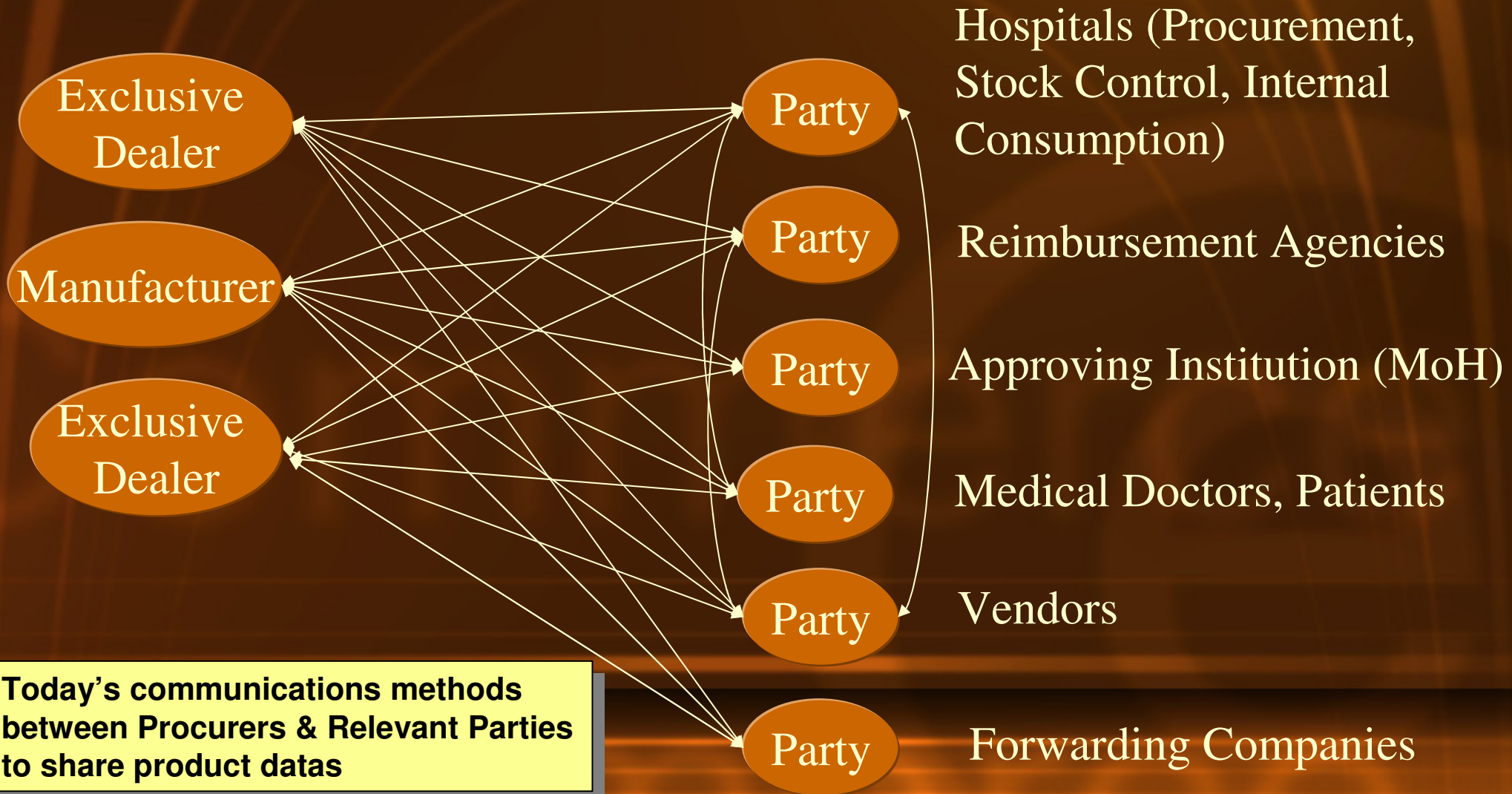
The essential goal of this national data bank project for drug & medical equipment is to create a common language, to share data electronically between all relevant parties like; manufacturers, exclusive dealers, distributors, purchasers, users, inspecting authorities and reimbursement agencies.

The background is a vibrant orange with a complex pattern of glowing, semi-transparent arcs and lines that create a sense of depth and movement. Faint, ghostly text is visible in the background, including the words "COMMERCIAL" at the top and "COMMERCIAL" at the bottom, which appear to be part of a larger, out-of-focus graphic or document.

# ***CURRENT SITUATION***



# Current Situation



# 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 observe 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

National  
Data Bank

Vendor  
(Manufacturer  
& Dealers)

Parties

Company Details (PARTIN)

Product / Service Catalogue (PRICAT)

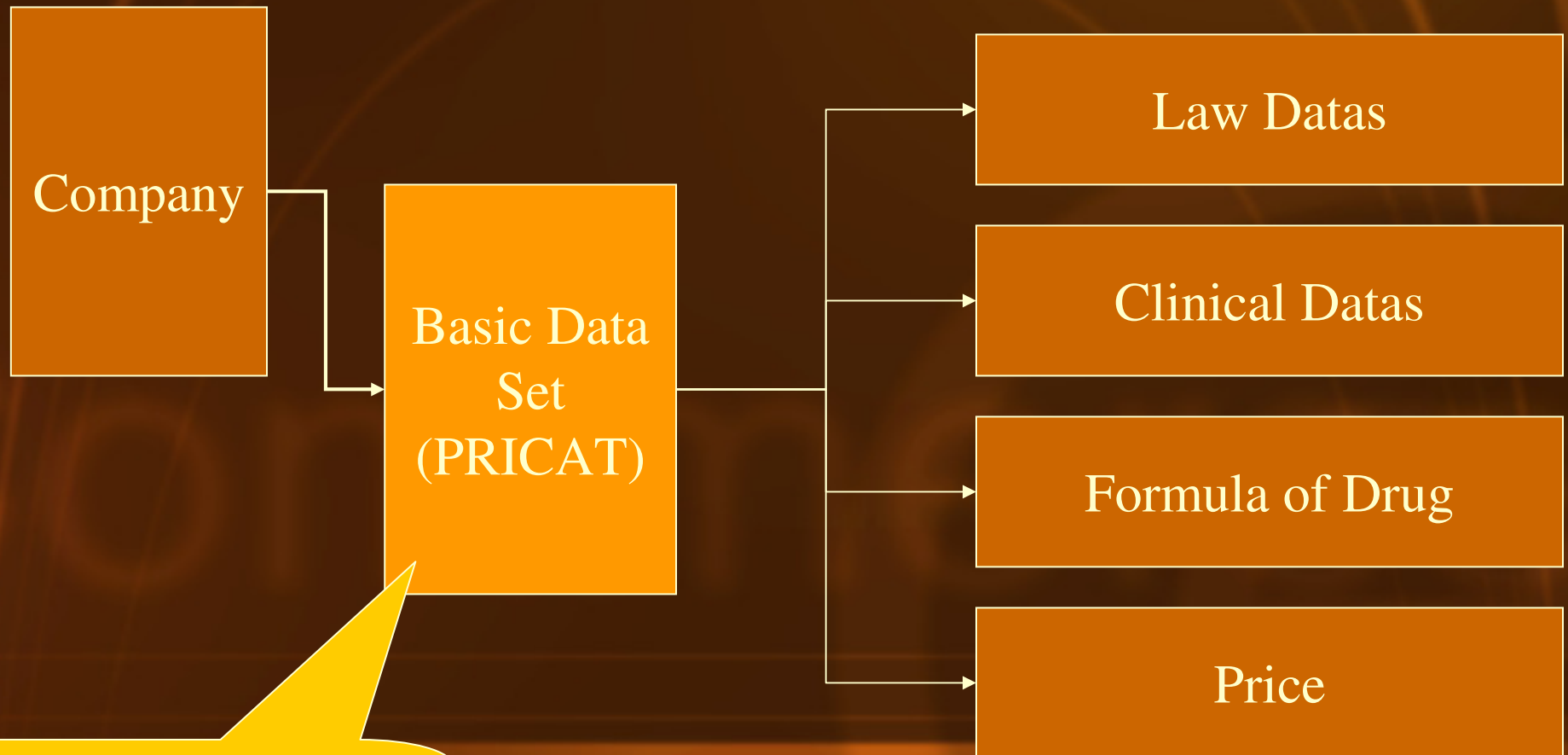
Purchase Order (ORDERS)

Transportation Datas (DESADV)

Invoice & Payment (INVOIC)

Money Order (REMADV)

# 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 uniquely all around the world.
  - Uniqueness of number is not sufficient,
  - Shall be reached by all parties upon request spontaneously.

**GTIN is on the item as well as  
in the Data Bank**

GTIN in EAN-13 Barcode Symbology





The background is a vibrant, abstract composition of glowing orange and yellow light. It features several concentric, semi-circular arcs and straight lines that create a sense of depth and movement, resembling a stylized tunnel or a futuristic interface. The overall effect is warm and energetic.

# ***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)

The background is a vibrant, abstract composition of glowing orange and yellow light. It features several concentric, semi-circular arcs that create a sense of depth and movement. Interspersed among these arcs are thin, horizontal and vertical lines, some of which appear to be part of a grid or a digital interface. The overall effect is that of a futuristic or high-tech environment, possibly representing a data visualization or a system's internal structure.

***DEVELOPED SYSTEM***



# General Specifications

- Works fully in an electronic environment. (Web)
- Product datas & details are submitted directly by accredited 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

The background is a vibrant orange with a complex pattern of glowing, semi-transparent arcs and lines that create a sense of depth and movement. Faint, ghostly text is visible in the background, including the word 'Commerce' in a large, serif font, and other partially legible words like 'The' and 'The'.

# ***CURRENT DATAS***



# Current Datas

*(October 25, 2007)*

- 1350 Accredited 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.

