MINISTRY OF ECONOMY

USE OF IT APPLICATIONS IN IMPORT & EXPORT CONTROLS

DG PRODUCT SAFETY AND INSPECTIONS

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• About TAREKS

• How the system works

• What it looks like

• Benefits
  • Reduced Costs
  • Efficiency
  • Environmental
  • Transparency
  • Decision-Making

• The DOs and DONTs
About TAREKS

- Risk-Based Control System in Foreign Trade (TAREKS), is a web-based software that enables risk-based quality and safety controls at import and export stage.

- First developed in 2010 for import controls on several pilot sectors. Expanded over time to cover all industrial and agricultural products inspected by the Ministry of Economy (and the Turkish Standards Institute).

- Import controls for medical devices, electronic devices, batteries, telecommunication equipment, construction materials, toys, etc.

- Export&Import controls for agricultural quality (fresh fruit and vegetables, edible vegetable oils, dry and dried produce, pulses, others...)

ARE CONDUCTED THROUGH TAREKS
How the system works

1. Application
   - e-signature
   - Definition of produce
   - Quantity
   - Value
   - Class
   - Inspection site

2. Convey application.

3. Assign inspector.

4. Go to inspection site. Conduct control.

5. Product is compliant.

6. Approve through TAREKS

TAREKS Reference No.
132013016724484

Head of Inspectors
How the system works

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How the system works

Dozens of workflows depending on

- Import - Export
- Industrial – Agricultural
- No control - document control – physical inspections
- Other actors involved
- Chemical tests involved

Thousands of transactions…

- 33,665 facilities.
- 51,669 users.
- Number of export applications: 408,299

Meanwhile for every transaction...

- Risk analysis
- Financial transactions
- Data collection, filtering & reporting
What it looks like
<table>
<thead>
<tr>
<th>REDUCED COSTS</th>
<th>EFFICIENCY</th>
<th>ENVIRONMENTAL</th>
<th>TRANSPARENCY</th>
<th>DECISION-MAKING</th>
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</thead>
</table>

The Benefits
The Benefits

- **REDUCED COSTS**
  - Speed is of the essence.
    - Average inspection duration for fresh fruit and vegetables: 7 hours. Used to be 20+ hours.
    - For dry and dried produce: 1.6 days. Used to be 2.4+ days.
  - Lower application costs.

- **EFFICIENCY**
- **ENVIRONMENTAL TRANSPIRENCY**
- **DECISION-MAKING**
The Benefits

- Reduced Costs
- Efficiency
- Environmental
- Transparency
- Decision-Making

- Applications are much easier.
- Assignments are made quickly.
- Daily workload of Product Inspectors is much more balanced.
The Benefits

- **REDUCED COSTS**
- **EFFICIENCY**
- **ENVIRONMENTAL TRANSPARENCY**
- **DECISION-MAKING**

- ✓ Less paperwork.
- ✓ Less fuel.
The Benefits

- REDUCED COSTS
- EFFICIENCY
- ENVIRONMENTAL
- TRANSPARENCY
- DECISION-MAKING

✓ Protects the firms, protects your personnel.
  • Use of E-signatures
  • Every transaction is recorded
The Benefits

- **REDUCED COSTS**
- **EFFICIENCY**
- **ENVIRONMENTAL TRANSPARENCY**
- **DECISION-MAKING**

✓ Data collection, filtering and reporting

- Destination
- Class
- Variety
- Group of Inspectors
- Customs Exit Point
- Inspector
- Package Type
- Size
- Price
- Transport Mode
- Type

• Overall agricultural policy decisions
• Short/Medium/Long Term inspection strategies
• Workload analysis
• Academic studies
The Benefits

Reduced Costs
Efficiency
Environmental
Transparency
Decision-Making

✓ Risk Analysis

1) Classification of Firms
   - Classes: A, B, C and D
   - Classification is based on:
     • Quality management system (ISO 9000, 22000 etc.)
     • Registered trademark
     • Authorized quality control personnel
     • Infrastructure

2) Produce

3) Firms’ past performance

4) Others (destination, season, yield, feedbacks)
1. Define what you need.

- Import & Export controls?
- Agricultural & Industrial Products?
- Risk analysis?
- Data collection & filtering & reporting?
- Make you coffee?
2. Make sure you have the resources. Continuously.

- Will your own IT staff develop the software?

- Outsourcing may be a better idea.
3. Plan your workflows carefully. Take your time.

- Hundreds of different workflows must be correctly reflected into the system.
- Changing workflows later will confuse your traders and your own staff.
- At least 1 IT personnel and 1 regulator in the group.
4. Make sure your bandwidth, servers and physical infrastructure are enough to cope with multiple users.

- Number of users will increase rapidly.

- Thousands of multiple transactions may slow down the system.
5. Prepare a user manual and hire personnel for phone-call support.

• Your experts’ skills can be put to better use.
6. Define who is authorized to do what.

- Cancelling applications?
- Reporting?
- Confidential information?
7. Design the software so you can use tablets!

- Easier to carry.
- Cheaper too.
- Serves the purpose much better.
8. Software is vulnerable. Be prepared for worst-case scenarios.

• Take measures for emergencies. Even if they are unlikely.
9. Prepare for integration with other systems.

• Other institutions may have to adjust their software with yours.

• Or the opposite.
The Dos and the DONTs

10. Make sure you can expand your system with add-ons and patches.

- New regulations, new rules, new workflows.
11. Financial transactions should be well-defined.

- Depends on how your inspection system is structured.
- Clarify reimbursement procedures in detail.
12. Watch out for small glitches and bugs.

- Your system may become useless.
THANK YOU VERY MUCH!!!

Keep in touch.

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