



MINISTRY OF ECONOMY

USE OF IT APPLICATIONS IN IMPORT & EXPORT CONTROLS

DG PRODUCT SAFETY AND INSPECTIONS

**Korkut Yavuz, Chief of Section
3 JULY 2015**



- About TAREKS
- How the system works
- What it looks like
- Benefits
 - Reduced Costs
 - Efficiency
 - Environmental
 - Transparency
 - Decision-Making
- The DOs and DONTs



About TAREKS



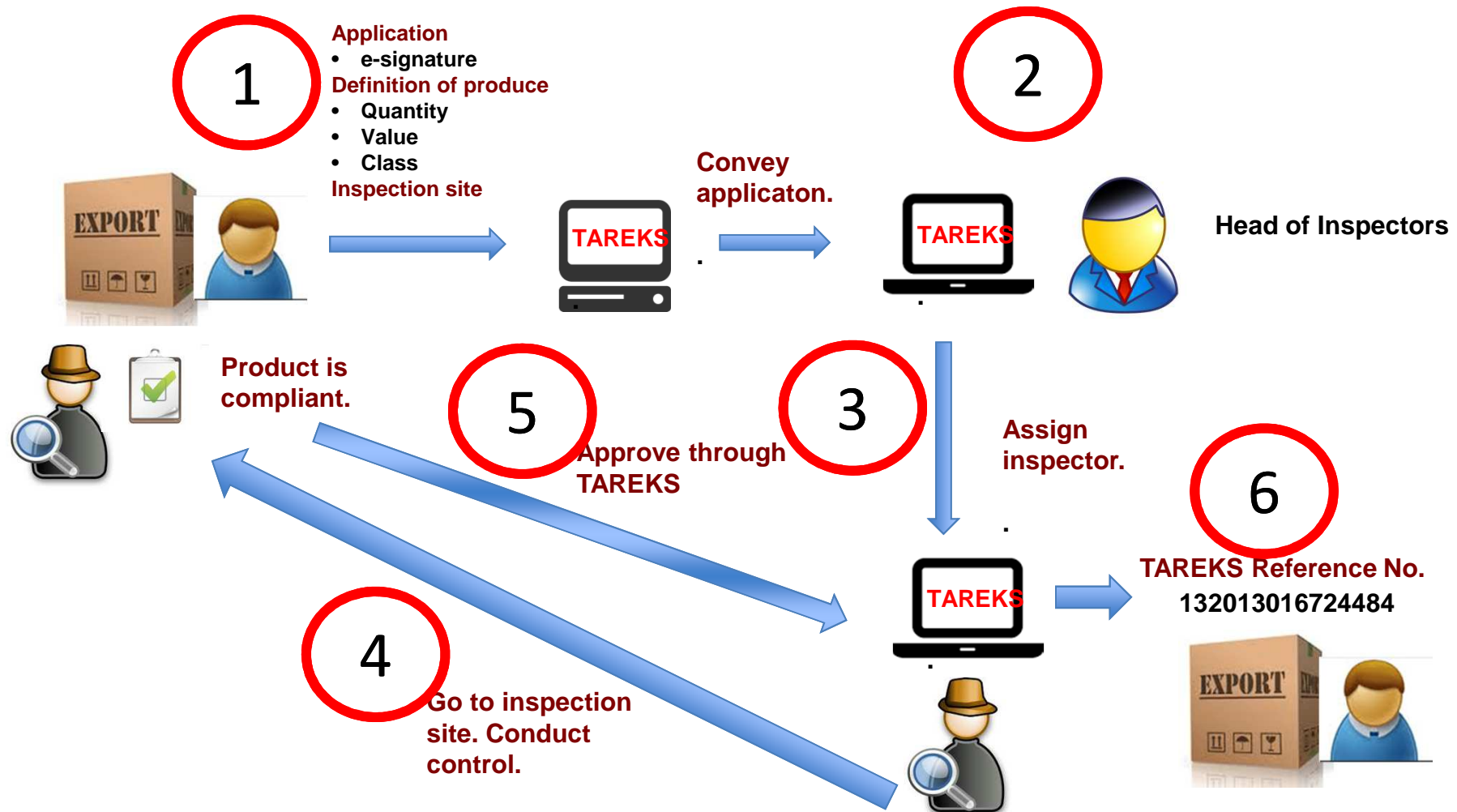
- Risk-Based Control System in Foreign Trade (TAREKS), is a web-based software that enables risk-based quality and safety controls at import and export stage.
- First developed in 2010 for import controls on several pilot sectors. Expanded over time to cover all industrial and agricultural products inspected 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





How the system works

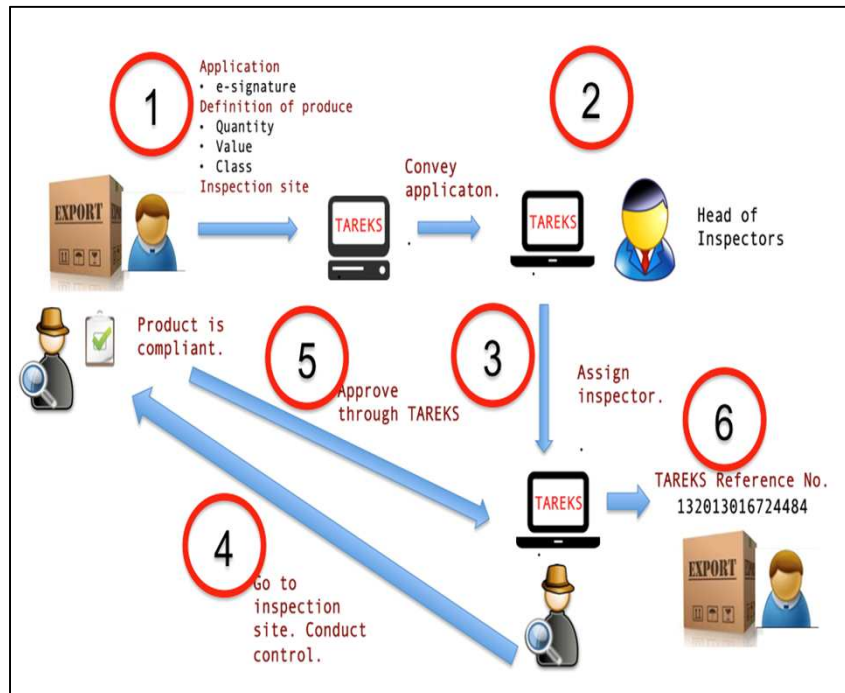
TAREKS Reference No.

132013016724484





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

TAREKS
T.C. Ekonomi Bakanlığı
Diğer Ticaretle Risk Esaslı Kontrol Sistemi

MUHAMMET TAHİR YEŞİLOVA
ABC
000000000000

14:25
03 Mart 2015 Salı

BAŞVURU GÜNCELLEME KREDİ 560 MESAJ(83) RANDEVULAR SORGULAMA

KALEM BİLGİSİ

EŞYA KODU: 850610110000
EŞYA TANIMI: MANGANEZ DİOKSİTLİ SİLİNDİRİK ALKALİ PİLLER

ÜRÜN GRUBU	* DENETÇİ KURUM
PİL VE AKÜMÜLATÖRLER (ÜGD: 2015/15)	EKONOMİ BAKANLIĞI

* BELGE TÜRÜ:

* KAPLAR VE EŞYANIN TANIMI:

* MENŞE ÜLKE:

* FATURA TARİHİ (gg/aa/yyyy) VE NOSU:

* DEĞER:

0.0

* ABD DOLARI OLARAK DEĞER:

0.0

* MİKTAR:

0.0

MUAFİYET (VARSA):

YÖNETMELİKLERİN KAPSAMI DIŞINDA OLDUĞUNUN BELİRLENMESİNDE TEKNİK ANALİZE İHTİYAÇ DUYULAN ÜRÜN

ÜRÜN ÖZELLİĞİ
* MARKA
* MODEL
* ÜRÜN CİNSİ
* İMALATÇI UNVANI

20 1

ÖN İZİN

ÖN İZİN BELGE NO:

+ EKLE

BELGE NO	KURUM	ÖZET BEYAN NO (KISA SÜRELİ)	ÖZET BEYAN TARİHİ (KISA SÜRELİ)	GEÇERLİLİK TARİHİ
ÖN İZİN EKLENMEDİ...				

KALEMİ KAYDET

VAZGEÇ



The Benefits

REDUCED
COSTS

EFFICIENCY

ENVIRONMENTA
L

TRANSPARENC
Y

DECISION-
MAKING



The Benefits

REDUCED COSTS

EFFICIENCY

ENVIRONMENTAL L

TRANSPARENC Y

DECISION- MAKING

- ✓ Speed is of the essence.
 - Average inspection duration for fresh fruit and vegetables: 7 hours. Used to be 20+
 - For dry and dried produce: 1,6 days. Used to be 2,4+
- ✓ Lower application costs.



The Benefits

REDUCED
COSTS

EFFICIENCY

ENVIRONMENTAL
L

TRANSPARENC
Y

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

TRANSPARENC
Y

DECISION-
MAKING

L



- ✓ Less paperwork.
- ✓ Less fuel.



The Benefits

REDUCED
COSTS

EFFICIENCY

ENVIRONMENTAL
L

TRANSPARENC
Y

DECISION-
MAKING

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



The Benefits

REDUCED
COSTS

EFFICIENCY

ENVIRONMENTAL
L

TRANSPARENC
Y

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
L

TRANSPARENC
Y

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)



The Dos and the DONTs

1. Define what you need.

- Import & Export controls?
- Agricultural & Industrial Products?
- Risk analysis?
- Data collection & filtering & reporting?
- Make you coffee?



The Dos and the DONTs

2. Make sure you have the resources. Continuously.

- Will your own IT staff develop the software?
- Outsourcing may be a better idea.



The Dos and the DONTs

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.



The Dos and the DONTs

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.



The Dos and the DONTs

5. Prepare a user manual and hire personnel for phone-call support.

- **Your experts' skills can be put to better use.**



The Dos and the DONTs

6. Define who is authorized to do what.

- Cancelling applications?
- Reporting?
- Confidential information?



The Dos and the DONTs

7. Design the software so you can use tablets!

- Easier to carry.
- Cheaper too.
- Serves the purpose much better.



The Dos and the DONTs

8. Software is vulnerable. Be prepared for worst-case scenarios.

- Take measures for emergencies. Even if they are unlikely.



The Dos and the DONTs

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.



The Dos and the DONTs

11. Financial transactions should be well-defined.

- Depends on how your inspection system is structured.
- Clarify reimbursement procedures in detail.



The Dos and the DONTs

12. Watch out for small glitches and bugs.

- Your system may become useless.



THANK YOU VERY MUCH!!!

Keep in touch.

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