Transitioning from paper-based to automated SPS systems

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GS1 Global Office
The GS1 barcode
GS1 – a global standards organisation

Neutral and not-for-profit
User-driven and governed
Global and local
Inclusive and collaborative

Our management board

Partner organisations

... just to name a few!
Managing the physical and data flow

Accurate identification of the product is key to access to all the associated information.
The need for interoperability
GS1 standards: the global language for business

**Identify**
GS1 Identification Numbers
Companies, Products, Locations, Logistics, Assets and Services

**Capture**
GS1 Data Carriers
Barcodes and EPC-enabled RFID

**Share**
GS1 Data Exchange
Master Data, Transactional Data and Physical Event Data
Benefits

- Traceability
- Consumer Trust & Transparency
- Compliance
- Fight fraud & counterfeit
- Risks management & Recall
- Efficiency
- Consumer Trust & Transparency
So what’s border agency risk management about?

- Border agency objectives:
  - **Timely and efficient clearance** of wanted goods
  - **Detection** of unwanted goods crossing the border

- Risk management aims to efficiently identify the wanted goods, and then **re-allocate agency resources to inspect ‘high risk’ potentially unwanted**

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<th>The physical inspection trade-off</th>
<th>Potential of Global Data Standards</th>
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<tbody>
<tr>
<td>Agency costs</td>
<td>Up</td>
<td>Same</td>
</tr>
<tr>
<td>Clearance speeds / business costs</td>
<td>Down</td>
<td>Up</td>
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<tr>
<td>Detection rates</td>
<td>Up</td>
<td>Up</td>
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Where border agencies want to focus inspection efforts

Agency effort

Trade volumes

Consistently do the right thing

Try to comply but don’t always manage

Don’t want to comply: effort & cost

Decide not to comply

Regulatory Compliance Pyramid
Where border agencies can end up focusing inspection efforts due to:

- **Insufficient data**
  - e.g. HS code for products too broad for accurate identification

- **Data not timely**
  - e.g. out of sync with shipment

- **Data entry errors**
  - e.g. wrong port origin listed

- **Non-unique data**
  - e.g. Multi addresses, spelling errors

- **Decide not to comply**

- **Don't want to comply: effort & cost**

- **Try to comply but don’t always manage**

- **Consistently do the right thing**

**Global Data Standards can help overcome these data problems and facilitate trade.**
South Africa : Prodev CARA – SIP 11 Traceability programme

SIP 11 = Strategic Integrated Programme for Agriculture, which is managed by the National Agricultural Marketing Council (NAMC)
Objective #1 includes enabling “managed systems infrastructure and services in rural areas”.
Why: there is a gap in farmer development programmes

Based on Farmer Development Chain

Abalimi Bezekhaya

Survival → Subsistence → Semi-commercial → Commercial

Most people move on to other things

Some continue as producers

FOOD SECURITY

The records trade-barrier

Trace-state: Aware → Able → Capable → Competent

FOOD SAFETY
Enable local competence and control

- Traceability good practice standards (by commodity)
- Traceability-aware officials & extension officers
- Traceability training (for everyone at all levels)
- Capacity building (in various disciplines; local associates)
- Accurate and timely records from source
- Traceability systems and services
- A business approach
- **Through community traceability service points**
Peru: capacity building for sesame producers
Video

We trained six hundred participants of the sesame production chain.
For more information

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