STANDARD SUMMARY PROJECT FICHE

1. Basic information

1.1 CRIS Number: 2003-004-995-03-26
1.2 Title: X-ray inspection systems for protection of the future EU external border
1.3 Sector: Customs Union
1.4 Location: Slovak Republic, Eastern Border

2. Objectives

2.1 Overall Objective(s):
Enforcement of the customs acquis and prevention of smuggling of highly taxable goods and other goods of special interest as well as combating economic crime, fraud and illegal immigration.

2.2 Project purpose:
- Border posts on the Slovak/Ukrainian border are fully functioning up to the standard of external EU borders posts.
- Containment and eradication of illegal trade and illegal migration

2.3 Accession Partnership and NPAA priority:

Accession Partnership

- Customs Union: Continue efforts to .... fight against economic crime and organised crime.
- Co-operation in the fields of justice and home affairs: Continue to upgrade and modernise the infrastructure at the EU's future external borders; upgrade law enforcement bodies, in particular with regard to border control and illegal immigration...

NPAA 2001

Chapter 3.8.2 Customs Union: Medium term priority the development of the border with Ukraine as the future eastern external border of the EU.

2.4 Contribution to National Development Plan: N/A
2.5 Cross Border Impact: N/A

3. Description

3.1 Background and justification:
- In the framework of the pre-accession process, the Slovak Republic is expected to upgrade the customs control facilities on its border with the Ukraine, which has a particularly high rate of smuggling. The aim is to ensure an efficient border protection compliant with the acquis communautaire.
- Currently, the Slovak Customs Administration does not possess equipment that would allow the fast inspection of entire containers and
trucks without the need of opening the container or truck. The existing X-ray facilities used by the customs administration enable only the inspection of smaller consignments, which require unloading and opening the shipments.

- Both fixed and mobile screening equipment is to be put in place that would show the real content of containers and trucks, which might have been declared empty or carrying different cargo. Operationally, the aim is to introduce risk-based methods and selective control procedures on the Slovak/Ukrainian border to improve prevention and seizure while facilitating border crossing for bona fide passengers and transports. A fixed X-ray system will be installed at Vyšné Nemecké border crossing point completing the inspection facilities of the control hall that were set up in the framework of Phare project SR 9809.04.01. - The mobile X-ray system will be utilised for road and railway vehicles both on Eastern EU border and in the customs inland posts. Inland inspections will be carried out by specialised anti-fraud units of the Customs Administration.

- On 18 October 1994, the Slovak Government adopted a strategy for the modernisation of the road crossing points. On 7 March 1997, the Slovak and the Ukrainian Ministries of Transport signed an agreement about the opening of a new motorway border crossing point Záhor-Storožnica. The Slovak Ministry of Transport, Telecommunications and Post expects the completion of the motorway Michalovce – Ukrainian border between 2008-2010. The mobile inspection system will be used to control the new border crossing point.

- A co-operation agreement between the Customs Directorate and the Office of Border and Aliens Police was signed on 14 August 2002. In compliance with Article 3 of this agreement, the X-ray inspection systems will be used also by the police.

### 3.2 Linked activities:

- SR/99/IB/FI/03 Twinning project Integrated Customs Strategy with the Italian Ministry of Finance.

- SR 9809.04.01 Equipment for Control Hall on Eastern Border. The project helped delivering and installing equipment worth € 837 049 at the control hall of Vyšné Nemecké crossing point. The project was completed in December 2001.

### 3.3 Results:

- **Result 1:** X-ray inspection systems delivered. The full operation of the fixed X-ray system installed at border crossing point Vyšné Nemecké will improve the quality and quantity of the detailed inspections (i.e. physical inspection of consignments). All the vehicles selected as risky by X-ray inspection procedures and risk analysis methods will be subject to detailed inspection. The number of detailed inspections will be increased from present 250 to 400. When the planned motorway crossing point Záhor – Storožnica is opened (time
 horizon 2008), the conditions for the transport of the mobile inspection system without using special equipment will have to be ensured. The mobile inspection system delivered and utilised by the Customs at Eastern border (road border crossing as well as two railway crossing points) and in inland. Both systems will be utilised in co-operation with the border and immigration police authorities.

- **Result 2:** Staff of the Customs Administration responsible for manipulation with supplied X-ray Equipment adequately trained.

### 3.4 Activities:

#### 3.4.1 Supply of X-ray Inspection Systems

The activity consists of two sub-activities as follows:

1. **1.1** Delivery of a fixed X-ray inspection system, including car transport system, relevant software and documentation at Vyšné Nemecké border crossing point, installation and putting into operation. For ease of relocation, the control system should be housed in an office container Training on the use of the system and on inspection procedures will also have to be provided (€ 2.18 Million - including Slovak co-financing).

2. **1.2** Delivery of a mobile, truck-mounted X-ray inspection system, including car transport system, relevant software and documentation, installation and putting into operation. Training on the use of the system and on inspection procedures will also have to be provided (€ 2.27 Million - including Slovak co-financing).

Draft technical specifications for the inspection equipment are detailed in Annex 4. The total budget of this activity (including Slovak co-financing) is € 4.45 Million.

#### 3.5 Lessons learned: N/A

### 4. Institutional Framework

The Ministry of Finance will be the beneficiary institution and have the overall responsibility for the management and control of the project. The end-user organisation is Slovak Customs Administration and its subordinated units including the border crossing points at the state border with Ukraine, the antifraud customs units, and the Customs Criminal Office, established on 1st January 2003 as special branch of Slovak Customs Directorate. Other law enforcement authorities (border and immigration police of the Ministry of Interior) will also utilise the inspection systems.

A steering committee including representatives of the Ministry of Finance and the Customs Administration will monitor and supervise the project. The EC Delegation will be invited to participate as observer. The SC will meet once a month or more frequently if necessary.
5. Detailed Budget (€ Million)

<table>
<thead>
<tr>
<th>Component</th>
<th>Phare Support</th>
<th>National Co-financing*</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Investment</td>
<td>Institution Building</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Support (I)</td>
<td>(IB)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total Phare</td>
<td>(=I+IB)</td>
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</tr>
<tr>
<td>Supply of X-ray</td>
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<td>1.14</td>
<td>4.44</td>
</tr>
<tr>
<td>systems</td>
<td>-</td>
<td>4.44</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3.30</td>
<td>4.44</td>
<td></td>
</tr>
</tbody>
</table>

*) In line with the Slovak Government’s decision dated 9 February 2000, all Phare funded projects will be co-financed from the State Budget. The co-financing of the investment component will be assured with a minimum contribution of 25 percent. National co financing of the Investment component (equipment) will be included into the 2004 State budget.

6. Implementation Arrangements

6.1 Implementing Agency

<table>
<thead>
<tr>
<th>PAO:</th>
<th>Director of CFCU - Mrs. Silvia Czuczorova</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>Radlinského 32</td>
</tr>
<tr>
<td></td>
<td>813 18 Bratislava</td>
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<tr>
<td></td>
<td>Slovak Republic</td>
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<tr>
<td>Telephone:</td>
<td>+421 2 57262 707</td>
</tr>
<tr>
<td>Fax:</td>
<td>+421 2 57262 727</td>
</tr>
<tr>
<td>e-mail:</td>
<td><a href="mailto:cfcusczuczorova@mfsr.sk">cfcusczuczorova@mfsr.sk</a></td>
</tr>
</tbody>
</table>

Beneficiary organisation:

The Customs Directorate and the Ministry of Finance will be responsible for implementation and co-ordination of project activities.

Customs Directorate of the Slovak Republic

Contact Person: Ing. Jozef Gonczol
Deputy Director General
Address: Mierová 23, Bratislava 815 11
Tel: +421 2 4827 3191
Fax: +421 2 4342 1879
E-mail: jgonczol@colnasprava.sk

6.2 Twinning: N/A

6.3 Non-standard aspects

The project will be implemented according to the rules of the Practical Guide for Phare, ISPA and SAPARD contracting procedures.

6.4 Contract

One supply contract with service component for delivery, installation, and putting into operation of two X-ray inspection systems, including software and training on the use of the system and on inspection procedures (€ 4.44 Million - Slovak co-financing included).
7. Implementation Schedule

7.1 Start of tendering: 1st quarter 2003
7.2 Start of project activity: 2. Quarter 2004
7.3 Project Completion: 2nd quarter 2005

8. Equal Opportunity

Equal opportunity principles and practices in ensuring equitable gender participation in the project will be guaranteed, particularly as regards to selection of trainers and trainees for the training programme, where a balanced distribution of positions/places will be sought.

9. Environment: N/A

10. Rates of return: N/A

11. Investment criteria:

11.1 Catalytic effect:

The Phare contribution will act as a catalyst in supporting accession-driven actions in the field of customs co-operation. Without the Phare support, objectives in these areas would be achieved at a much later stage.

11.2 Co-financing

The Government will contribute with at least 25 percent of the investment component of the project.

11.3 Additionality

The Phare intervention does not displace other financiers.

11.4 Project readiness and Size

The project is ready for implementation and complies with the project size requested by Phare guidelines.

11.5 Sustainability

Relevant policies and regulations of the Government ensure that all equipment funded under the scheme will comply with the European Union norms and standards. Governmental funding of the operation and maintenance of the X-ray equipment are ensured.

11.6 Compliance with state aids provisions: N/A

11.7 Contribution to National Development Plan: N/A

12. Conditionality and sequencing

All legal and institutional conditions for the utilisation of the X-ray inspection systems are already established. A precondition of the project is the timely preparation of the site of the fixed X-ray device at Vyšné Nemecké border crossing point.

Milestones:

- Tendering for supply: 1st quarter 2004;
- Completion of construction works: 2. Quarter 2004;
- Delivery of inspection systems: 3rd quarter 2004;
- Training: 3rd quarter 2004;
- Project completion (expiration of warranty period): 2nd quarter 2005.
ANNEXES TO PROJECT FICHE

1. Logical framework matrix in standard format (compulsory)
2. Detailed implementation chart (compulsory)
3. Contracting and disbursement schedule by quarter for full duration of programme (including disbursement period) (compulsory)
4. Draft technical specification and explanation concerning the price assessment
## Logframe matrix For project

**X-ray inspection systems for protection of the future EU external border**

<table>
<thead>
<tr>
<th>Programme number:</th>
<th>X-ray Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contracting period expires:</td>
<td>30.11.2005</td>
</tr>
<tr>
<td>Disbursement period expires:</td>
<td>30.11.2006</td>
</tr>
<tr>
<td>Total budget</td>
<td>€ 4.44 Million</td>
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<tr>
<td>Phare budget</td>
<td>€ 3.30 Million</td>
</tr>
</tbody>
</table>

### Overall Objectives:

- Enforcement of the Customs Acquis and prevention of smuggling of highly taxable goods and other goods of special interest as well as combating economic crime, fraud and illegal immigration.

### Project Purpose:

- Border posts on the Ukrainian border are fully functioning, comparable to external EU borders stations
- Containment and eradication of illegal trade and illegal migration
- Controlling time in case of the passenger traffic does not exceed 30 minutes
- Average truck waiting time does not exceed 3 hours
- X-ray detection rate comparable or exceeding the rates achieving in the Union

### Results:

1. X-ray inspection systems delivered and operational
2. Staff of the Customs Administration responsible for manipulation with supplied X-ray Equipment adequately trained.

### Activities:

1. Delivery of X-ray inspection systems;
   1.1 Delivery and installation of stationary system in Vyšné Nemecké;
   1.2 Delivery and installation of mobile system;
   1.3 Training course for operators. Assistance in development of inspection procedures;
2. Supply contract (€ 4.44 Million)

### Means

- Staff in sufficient numbers and of the right qualification available for the training

### Preconditions

1. Staff in sufficient numbers and of the right qualification available for the operation of the supplied equipment
2. Timely completion of all construction works at Vyšné Nemecké border station
# DETAILED IMPLEMENTATION CHART

**Project title:** X-ray inspection systems for protection of the future EU external border

<table>
<thead>
<tr>
<th>Year</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
</tr>
</thead>
<tbody>
<tr>
<td>Months</td>
<td>JFMAMJJASOND</td>
<td>JFMAMJJASOND</td>
<td>JFMAMJJASOND</td>
</tr>
<tr>
<td>Investment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply of X-ray equipment</td>
<td>TTTITIIIIIIIIII</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**T:** Tendering and Contracting  
**I:** Implementation
CONTRACTING AND DISBURSEMENT SCHEDULE (including Slovak co-financing)

Project title: X-ray inspection systems for protection of the future EU external border (€ Million)

<table>
<thead>
<tr>
<th>Year</th>
<th>2004</th>
<th></th>
<th>2005</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contracted</td>
<td>4.44</td>
<td>1.5</td>
<td>2.5</td>
<td>3.5</td>
</tr>
</tbody>
</table>
Annex 4

Draft Technical Specification

Two X-ray inspection systems with identical X-ray accelerator, detection system, electronic control and software systems are to be supplied.

The stationary system must enable easy relocation without using special equipment. The control unit and the workplace of the operator must be located in easy removable office container.

The mobile systems must be mounted on a truck together with the control and operator's workplace.

In order to enable the control of the cars and vans without driver, there is a need for a car transport system (CTS) for both the fixed and mobile system.

Both systems should have the following parameters:

- Compact accelerator (up to 2000-3000 keV);
- Detection of illegal consignments inside trucks, containers and railway wagons, suitable for borders, customs clearance stations, etc.;
- Throughput about 20-30 trucks per hour;
- Completely radiation safe (radiation exposure must be less than 1mSv/h (0,1 mrem/h) on all places;
- CCTV camera system for observation of controlled place;
- The inspected vehicles will be moved and the detector is fixed, the minimal speed is 1m/sec;
- The inspection capacity 30 vehicles per hour;
- Not more than three operators are necessary for the full operation;
- The maximum penetration depth is 120 mm of steel;
- The manipulation space is less than 15 m x 15 m;
- The continuous operation without breaks day and night is expected, the proper illumination of the facility is necessary;
- Power input 380 VAC, consumption less than 20 kW, own reserve power source;
- The data are to be shown during inspection on the screen (direct recording);
- The system must enable storage of at least 1000 X-ray scans
- The image processing system:
  - processing of digital electronic signal
  - the screen frequency 75 Hz
  - 24 bit resolution
  - 4096 degrees of grey
  - basic memory 128 Mbytes
  - utility for long vehicles
  - 1024 lines
Explanation concerning the Equipment Price

The Customs Directorate carried out a brief assessment of available X-ray inspection systems for the cargo traffic. The following manufacturers are present on the market: AS&E, BIR, CONSYS, HEIMANN SYSTEMS, PerkinElmer – L3C, Tsinghua Tongfang Co. and Rapiscan.

A crucial question is the accelerator power. The power up to 2000-3000 keV enables to penetrate 120 mm of steel.

<table>
<thead>
<tr>
<th>Item</th>
<th>Price in €</th>
</tr>
</thead>
<tbody>
<tr>
<td>SilhouetteScan CAB 2000 (stationary)</td>
<td>1,900,000</td>
</tr>
<tr>
<td>Transport system</td>
<td>270,000</td>
</tr>
<tr>
<td><strong>Stationary unit total</strong></td>
<td><strong>2,170,000</strong></td>
</tr>
<tr>
<td>SilhouetteScan Mobile CAB 2000</td>
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<tr>
<td>Transport system</td>
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<tr>
<td><strong>Mobile unit total</strong></td>
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