

## Attachment No 1 to SEOCR

### Detailed description of the purchase order

1. The object of the procurement procedure is the purchase by the Civil Aviation Office of the right for temporary use of license of computer software with an examination program assessing ability of persons to analyse x-ray images of cabin and hold baggage in order to identify prohibited items (listed in the European Commission Regulation of 8 august 2008 820/2008 laying down measures for the implementation of the common basic standards on aviation security – Attachment nr 7 to the SEOCR) in those baggage including the installation of the software and technical support free of charge during the period of 36 months commencing on the day of signing the contract.
2. The above-mentioned software is to be used to implement provision of the point 12.2.3. of the Attachment to the Regulation No 2320/2002 of The European Parliament and of the Council of 16 December 2002 establishing common rules in the field of civil aviation security which stipulates that the President of the Civil Aviation Office is responsible for approval or certification of security screening staff in Poland.
3. In accordance with rules of the ECAC Doc. 30 assessment of the ability and competency of the persons to analyse contents of the baggage and other items being screened with x-ray equipment shall be done with use of appropriate test.
4. The software is to be used to assess persons dedicated to perform screening prior to issuance of screener's certificate and writing down to a list hold by the President of the Civil Aviation Office.
5. Acceptable interface languages: Polish or English
6. Main functions of the software. The software have to:
  - a) allow for assessment of ability of a persons to analyse x-ray images of cabin and hold baggage in order to identify prohibited items in those baggage pieces;
  - b) allow to identify results of the test with the person that has done the test (by way of assigning test results to the name of the person or to specific number) and the date when test has been done;
  - c) present images of the cabin and hold baggage in a quality corresponding to the images generated on the screen connected with the high resolution x-ray machines;
  - d) present for an assessment, during the test, images of cabin bags one by one and thereafter images of hold bags one by one in order to make a following decision about content of the image:
    - bag does not contain prohibited items (bag ok), or
    - bag does contain prohibited items (bag not ok)– in case the latter decision is being made a person has to indicate on the image where the prohibited item is located
  - e) presented images shall **not be smaller than 30% of the size of the screen** on which they are presented;
  - f) make a random selection of images from the whole set of images available to be presented during each test;

- g) present, within the test, images **of not less than 60 and not more than 100 various cabin baggage pieces**, with the content of the bag corresponding to normal bags being transported as cabin baggage, where **not less than 30%** of those images contain at least one item prohibited in the cabin baggage as stipulated in point 4.1.1.1 a), b), d) of the Attachment to the Regulation of 8 august 2008 820/2008 laying down measures for the implementation of the common basic standards on aviation security such as guns, pointed/edged weapons, sharp objects, explosive devices;
  - h) present, within the test, images of **not less than 60 and not more than 100 various hold baggage pieces**, with the content of the bag corresponding to normal bags being transported as hold baggage, where **not less than 25%** of those images contain at least one explosive device;
  - i) include an images library consisting **of not less than 60 and not more than 300 various cabin baggage pieces and not less than 60 and not more than 300 various hold baggage pieces**;
  - j) ensure that images of prohibited items contained bags' images vary as regards the type of the item;
  - k) ensure that each image is being presented to the person for the period **not shorter than 10 and not longer than 20 seconds**, where the decision has to be made by the person within that period;
  - l) include rating mechanism of the person being assessed giving a numeric value (in points or in percentage) which takes into consideration probability of detection (number of identified prohibited articles in the total number of articles being presented), false alarm rate (number of bags being incorrectly identified as containing prohibited item) and situations where no decision have been made within specified timeframe;
  - m) ensure, that images of the prohibited items in cabin and hold baggage pieces are located with various level of difficulty and taking into consideration following factors: viewpoint, bag complexity and superposition;
  - n) allow to store data and generate reports with reference to test results of every person that has done the test;
  - o) allow to conduct unlimited number of tests within the period when the right to use the license is given.
7. **Contracting Party requires also the training not shorter than 5 days for persons appointed to conduct tests (4 persons). Training are to be conducted in Warsaw in the Training Center of the Civil Aviation Office by the person with sufficient experience delivered by the Tenderer. Training package will be done in the period agreed by the contracting parties.**

Training shall ensure that persons will obtain competency to conduct tests, and information on basic issues regarding administration of the software, rules of calculation of final result of the test, generation of reports regarding individual training sessions.

- 8. The contract shall be signed for the period of 3 years.

## **1. SAFETY REQUIREMENTS**

1. The system has to guarantee a high level of safety and protection of processed, stored and transferred data if it will be collecting sensitive personal data in accordance with the Act of August 29, 1997 on the Protection of Personal Data (unified text – Official Journal of July 6, 2002, No. 101, item 926) (Attachment No 8 to the SEOCR).
2. The system has to guarantee protection against unauthorized access to the system from outside or inside.
3. The system has to guarantee identification of identity and verification of users' authorizations.
4. The system must provide an access authorization prioritization mechanism to its data base.
5. The system has to guarantee that it processes data access verification.
6. The system has to be resistant to the work station "freezing", i.e. a malfunction of the work station whilst logged in the system can not lead to the instability of the software for the remaining users.
7. The system must be integrated with authentication mechanisms of Active Directory.
8. The supplier has to develop repair procedures for incidents of malfunction for each element of the system that will allow for the system to return to the state preceding the malfunction. The regeneration time for each element of the system shall not exceed 4 hours.
9. The system should faultlessly work with MS SQL Server 2003 data base (owned by CAO).
10. The system must be resistant to intervals in access to the data base server and applications by work stations. On renewing the connection with the data base server and application, the work station returns to the interrupted session.

## **2. IT ENVIRONMENT**

Information about the IT environment

- At least 15 simultaneous system users.
- Work stations (for conducting examinations) as terminals without own logic working with the application server.
- Examination managing stations – a computer equipped with MS Windows XP Prof. operational system not worst than P4 2 GHz or equivalent to Centrino mobile technology.
- The server system used is MS Windows Server 2003 in domain environment.
- The system must operate basing on an interactive data base MS SQL Server 2000 ent.

## **3. INFORMATION ON CONTRACTING AUTHORITY'S COMMUNICATION AND INFORMATION INFRASTRUCTURE.**

IT system operated in the CAO is based on Windows 2003 Active Directory server environment. The application designers will have access to authentication mechanisms used in the above environment. There is also access to a dedicated application server described above as a hardware platform operating in W2003 environment with access to Fibre Channel

matrix. The data base server operates under the surveillance of SQL 2000 ENT and also basing on the Fibre Chanel matrix. The data bases are protected by backup mechanisms using tape drives LTO. Additional detailed information concerning the IT environment, necessary protective mechanisms and the net topology shall be available at the contract delivery stage. Contracting authority's computers operate under the surveillance of MS Windows XP system, on computers not worst than P4 2 GHz, 512 MB memory RAM, HDD not less than 40 GB. MS Office XP/2003 Prof. package installed. About 20 flat bed USB scanners available.