



EUROPEAN UNION

Delegation of the European Commission to Bosnia and Herzegovina

Sarajevo, April 2009

**Clarification No 1**

**Supply of the equipment to  
IDDEEA - Agency for Identification Documents, Registers and Data Exchange of  
Bosnia and Herzegovina  
EC/BiH/09/002; EuropeAid/128066/C/SUP/BA**

**Question 1:**

For Lot 1 Item 1.4

You have specified "Processor and motherboard: Latest motherboard technology, Benchmark Sysmark 2400 => 180 greater". The Sysmark 2004 is a retired benchmark and is longer supported by BAPCo. Please specify your new requirements about the Item 1.4.

**Answer 1:**

*The contractor must offer today supported minimum equivalent of the Benchmark Sysmark 2400 => 180 or greater that is supported today by BAPCo.*

**Question 2:**

Who performs system integration with the civil register of BIH? Is this part of this tender or is the customer doing this on his own?

Background: there are 2 implementations to be performed:

- a) Cleansing of the existing register
- b) online connection of the AFIS to the existing register for future enrolment of new BIH citizens

**Answer 2:**

*Installation and putting in function of Software for comparison of current biometric data on Blade server (Lot 1 – Item 1.2) ensure software data base connection to the existing Oracle 9i database biometric data. So the future contractor must ensure connectivity of delivered software and current biometric data in exiting Oracle 9i Database.*

**Question 3:**

The hardware you specify is an absolute configuration which is for certain AFIS technologies either too much or not enough. Is a vendor entitled to offer hardware according to his technology, especially if it uses less hardware resources?

**Answer 3:**

*The hardware is specified in Lot 1-Blade system-Encloser, servers, Rack. Vendor should install software on the hardware specified in Lot 1.*

**Question 4:**

For Lot 3 (Business Intelligence Suite)

Should our offer include the price of services needed for design and implementation of the Data Warehouse?

**Answer 4:**

*No, as specified in the Technical Specifications the future contractor must install software on the blade servers (Lot 1 – Item 1.2 ) and ensure connectivity with existing Civil Registry of B&H Oracle 9i database data. It is necessary to provide connectivity to the existing database in order that Agencies experts after the training could use the Business Intelligence Suite in ordinary work.*

**Question 5:**

For Lot 3 (Business Intelligence Suite)

Should our offer include the price of services needed for the development of reports/dashboards/analytics/ETL routines?

**Answer 5:**

*No, offers shall not include the price of services needed for the development of reports/dashboards/analytics/ETL routines.*

**Question 6:**

For Lot 3 (Business Intelligence Suite)

Is 20 the total number of users that will use the system in the same time or it is the number of users that should have the access to the system. I'm asking this question to know if we can offer the price for concurrent licenses (5 concurrent licenses is enough for 20 users), which is cheaper option for you.

**Answer 6:**

*The Agency needs twenty users' licenses; twenty is the total number of users that will use the system in the same time. In order to be acceptable, your official offer has to confirm that offered 5 concurrent licenses are enough to ensure working (using the system) at the same time for 20 users.*

**Question 7:**

For Lot 3 (Business Intelligence Suite)

Is the current B&H civil register database Oracle 9i Standard Edition or is it Oracle 9i Enterprise Edition?

**Answer 7:**

*The current B&H civil register database is Oracle 9i Enterprise Edition.*

**Question 8:**

How were the fingerprints digitalized? Throughout planar scanner from fingerprints enrolled with ink method or throughout direct enrolment using fingerprint scanner?

**Answer 8:**

*The fingerprints were digitalized throughout direct enrolment using fingerprint scanner.*

**Question 9:**

The comparison is made up on fingerprints enrolled with fingerprint scanner or throughout which other modality?

**Answer 9:**

*The comparison is made up on fingerprints enrolled with fingerprint scanner only.*

**Question 10:**

Which is the daily number of verification expected on the system?

**Answer 10:**

*The new application solution on the market has: Fast matching speed: 100,000 match within a second on server with performances (Intel Core2Duo 2GHz), so we expect solutions that provide matching maximum on that level.*

**Question 11:**

Does the number of fingerprints increment daily? Which is the rate?

**Answer 11:**

*The number of fingerprints increment daily by rate is 3500 new fingerprints.*

**Question 12:**

Which is the maximum admissible time of response for a request of comparison?

**Answer 12:**

*The maximum number of admissible time of response must be compatible with Matching speed –see Answer 10.*

**Question 13:**

How many fingerprints for each person are present in the archive?

**Answer 13:**

*There are four fingerprints for each person in the archive.*

**Question 14:**

Which is the typology of the fingerprints? Flat or rolled?

**Answer 14:**

*The topology of the fingerprints is Flat.*

**Question 15:**

Is the system able to provide an automatic response or the results of the searching must be validated by an operator?

**Answer 15:**

*System should generate report of automatic response which can be validated by operator.*

**Question 16:**

In case of positive check of a research, is it necessary to update the database in order to record the link between the records?

**Answer 16:**

*No, it is not necessary to update the database in order to record the link between the records. System must generate report about this fact.*

**Question 17:**

The requirements specify the need of 20 licences; are these licenses for the SDK or for the verification positions?

**Answer 17:**

*We need 20 SDK users license for 20 is total number of users that will use the system in the same time.*

**Question 18:**

As specified in Annex II+ III + Technical offer in the Table Item No. 1.2 one of requests for blade servers was that they must be full-height. As there is absolutely possible to meet all technical requirements with half-height blades and that enables expandability of s system (in such case each enclosure could accept 8 additional blades), our question is:

Would the solution of half-height blades with all other technical demands satisfied acceptable?

**Answer 18:**

*Solution with half-height blades with all other technical demands will be accepted.*

**Question 19:**

As specified in Annex II + III + technical specifications Technical offer in the Table Item No. 1.2 the blade enclosure is a solution that enables connection of a DVD (internal or external), which may then be mapped and linked to each individual server, which achieves savings in space, energy consumption and easy is the management of the servers themselves.

Is solution of one DVD installed into enclosure acceptable?

**Answer 19:**

*Yes, solution of one DVD installed into each of three enclosures is acceptable. The future DVD device in enclosure must have full connectivity to each blade server installed into enclosure.*

**Question 20:**

As specified in Annex II and III + technical specifications Technical offer in the Table Item No. 1.3. since the enclosure can be connected to KVM switch, it is unnecessary to connect each blade with KVM.

As there are 3 enclosures specified, is it enough for KVM switch to have minimum 3 ports?

**Answer 20:**

*No, as specified in the Technical Specifications for Item No.1.3, the mandatory minimum technical requirement is "KVM switch with minimum 16 servers ports ".*

Sincerely yours,

Marc VANBRABANT  
Head of Contracts and Finance