International Organization for Migration (IOM)
The UN Migration Agency

Reference No.: UA1-2018-3067
BID BULLETIN NO. 3067-02

Development of specialized software of the information and telecommunication system "exchange of the information on persons and vehicles in which the persons cross the Ukrainian-Moldovan state border"

17 December 2018

The Bids Evaluation and Awards Committee of IOM Ukraine hereby issues Bid Bulletin No. 3067-02 to answer the following request for clarifications:

1. **Question:** Section IV_TOR 5.1.3.4. - Is it necessary to store only the Transport Files (TFs) in the database of the Data Storage Complex or the TFs must be parsed and the parsed data must be stored in the database of Data Storage Complex?

IOM's Official Answer:

TFs must be stored in their original form. The data should be parsed and available for searching. The method of choice for storing is the developer's prerogative.

2. **Question:** Section IV_TOR 5.1.3.4. - Please explain "...creating indexes determined by the TF...", what is the "index" of a TF and how is it created?

IOM's Official Answer:

TF - transport files, with which the data is transmitted in the framework of information exchange between countries. The TOR foresees that the files are stored in the DBMS, creating indexes is necessary for ensuring fast access to the data.

3. **Question:** Section IV_TOR 5.1.2.6./ 5.1.2.7. - What mechanism is used for digital signing of TFs? Where and how are the encryption keys stored that must be used to verify a digital signature?

IOM's Official Answer:

The features of using the EDS will be specified at the stage of harmonization of the TOR with the SBGS representatives.

4. **Question:** Section IV_TOR 5.1.3.2. - Is it correct to understand that Data Storage Complex API is responsible to transfer the TFs only to intermediate DB of the DIS and it is the responsibility of the DIS to get the data from intermediate DB on its own?

IOM's Official Answer:

Data exchange between the DIS and the Data Storage complex is initiated by the DIS in the way described in the ToR (5.1.3.4, 5.1.3.5) and is in the responsibility of the DIS.

5. **Question:** Section IV_TOR 5.1.2.5. - Can you provide the document "Basic Technological Principles of Organizing the Exchange of the Information on Persons and Vehicles in which the Persons Cross the Ukrainian-Moldovan State Border"?

IOM's Official Answer:

No, the document is not available for publication.

6. **Question:** Section IV_TOR 5.1.1. - Is it correct to assume that "File Transfer" Complex must be implemented and administered in Ukraine and that "Data Storage" Complex must be implemented and administered in both Ukraine and Moldova?

IOM's Official Answer:

Yes.

7. **Question:** Is there any specific HW infrastructure available for implementation of the solution?
    Do you provide on-premise HW infrastructure and is it virtual environment or dedicated servers? What kind of virtualization do you provide?
    Is it OK if the Vendor provides HW specification?

IOM's Official Answer:

The test environment will not be provided. The developer uses his existing hardware to develop the software. On his own equipment, the developer carries out preliminary tests and 1 stage of delivery - functional testing. After that, it deploys the developed software on the capacities of the Beneficiaries, in both countries, respectively, populated by the ToR.
The composition and parameters of the hardware that will be used on the product instance are listed in Section 5.4 of the ToR.

8. **Question:** Section IV_TOR 5.1.1. - Is there any specific SW infrastructure available for implementation of the solution? Is it OK if the Vendor provides SW specification?

IOM's Official Answer:

The technology stack is determined during the creation of the ToR and includes:
Windows Server Datacenter Core 2016
Windows Server Standard Core 2016
Windows SQL Serve

9. **Question:** Section IV_TOR 5.1.1. - What are maximum expected time durations for the files traveling from the one to the other side (Ukraine/Moldova), with file processing included?

IOM's Official Answer:

      1 hour.

10. **Question:** Section IV_TOR 5.1.2.6./5.1.2.7. - Can you confirm files dropped into "In" folder will already be signed by sender. Our system only needs to verify the signature and send files to the other state, if the signature is verified.

IOM's Official Answer:

The area of the EDS utilization is limited by the area administered by Ukraine. Respectively, the EDS Verification / Imposition module is only functioning in the area of Ukraine's responsibility. On the Ukrainian side the files arriving to the "In" folder are already signed by the sender.

11. **Question:** Section IV_TOR 5.1.2.6./5.1.2.7. - Is there any case when File Transport system will digitally sign files that are processing/entering/exiting out of it?

IOM's Official Answer:

Yes.

12. **Question:** Section IV_TOR 5.1.1./5.1.3.4. - Does it mean that next to the configuration API used for administration and monitoring of file transfers, there should be another API that should provide access to data processed and stored into database?

IOM's Official Answer:

Yes.

13. **Question:** Section IV_TOR - How long the history data should be stored? What data should be saved? Should there be special API access for history data?

IOM's Official Answer:

All data concerning data movement in the system, configuration changes, user actions and all kinds of events should be stored in the system for 5 years. An access to the history with the search function should be implemented.
No, the API is not required, it's in the responsibility of the system's administrator. An interface should be foreseen for implementation of the abovementioned actions. The functionality of the interface should be approved with the beneficiaries on the stage of ToR elaboration.

14. **Question:** Section V. Service Agreement template, 10. Intellectual Property - Transfer of intelectual property to IOM - will this be possible concerning the tools that are to be used? If we are using existing copyrighted solutions this will not be possible. Please clarify.

IOM's Official Answer:

The Service Provider has to transfer to IOM intellectual property rights only services provided under the scope of the Agreement as stipulated in the article 10 of the Service Agreement.

"All intellectual property and other proprietary rights including, but not limited to, patents, copyrights, trademarks, and ownership of data **resulting from the performance of the Services** shall be vested in

IOM, including, without any limitation, the rights to use, reproduce, adapt, publish and distribute any item or part thereof."

4

Bids Evaluation and Awards Committee
IOM Ukraine