ITDB - Web INF

3rd Quarterly Progress Report

Reporting Period:

16 April 2014 – 15 July 2014

Prepared For JRC Contract No. 226425-2013 10 KAR DE: Incident and Trafficking Database (ITDB) Online Incident Notification Forms (Web-INF) System

July 16, 2014

1 Technical Progress

1.1. Achievements

As per the project plan, the 3rd quarter included work on preparing the ITDB WebINF system to all users and start working on the software solution for exporting WebINF data to the ITDB database. Although not part of the project plan, during this period the developer of the WebINF system had training courses for Palantir and Web Applications Security Testing, as it was approved in the project specification. In addition, URS obtained the IT equipment that the IAEA requested and the project sponsor (JRC) approved. The equipment includes 4 laptops, 6 iPads, 1 Samsung Galaxy tablet and 1 Microsoft Surface Pro tablet.

The release of the ITDB WebINF system to all ITDB Users happened during this time period but later than the initially planned date of May 21, 2014. Instead the system was released on July 4, 2014, or six weeks later than the planned date. Postponing the release date was requested by the IAEA because they had decided to make some changes to the Tab 3 part of the WebINF system before releasing the system to all the users. The six weeks delay includes the 2 weeks that the developer was away from the IAEA for the IT training courses. It was suggested to release the system as planned and then release a new version with the requested changes, but the IAEA felt more confident to have the changes implemented before the system is first viewed by the ITDB POCs.

The programmer of the WebINF system attended a three day Palantir developer training course in the Palantir offices in Washington, USA. The first day included a high level introduction of the PALANTIR system and it was explained how the various components of the system interoperate. Some of the topics discussed were Palantir Workspace, Dynamic Ontology, Server Architecture, Security Overview, and Palantir Extensibility. The second covered a more hands on approach whereas there were some data migration exercises that explain various methods of importing data into Palantir, including importing of simple lists and of structured (related) data. During the last day there were also some exercises through which it was explained how the Palantir system can be customized and extended. After the training course, the developer has a much better understanding of the strengths of the Palantir system and how it can be utilized for the needs of the ITDB staff at IAEA.

The programmer also attended another training course in Berlin, Germany titled Web App Penetration Testing and Ethical Hacking. This course was very technical in nature and it is designed for people who are either developing web applications (like the ITDB WebINF) or are working on securing the required infrastructure needed to run a web application. The 6 days training course was divided into four segments that cover the different processes involved in finding vulnerabilities in web applications (reconnaissance, mapping, discovery, exploitation). Each process was explained as to why it is important and the latest tools that hackers or security professionals use were demonstrated. The last day of the training course was a so called "capture the flag" event during which the students had to apply the knowledge obtained in the course in a controlled environment.

Finally, during Q3 of the project, some of the work on the data export interfaces for WebINF was started and the programmer will continue working on it in Q4 as well.

1.2 Status of deliverables and milestones for the 3rd quarter

Deliverable	Planned Delivery Date	Actual Delivery Date
Operational ITDB WebINF System for ALL users	21 May, 2014	July 4, 2014

1.3 Issues

As mentioned already, the release of the WebINF system was postponed due to changes in requirements for the WebINF system. But despite the delay, all of the planned project deliverables for the Q4 are expected to be completed.

The IAEA received the equipment that it requested, but there are some administrative difficulties in registering the equipment as IAEA property. Without registering the equipment as official IAEA property the ITDB staff cannot use it for official work, but these problems are expected to be resolved within the first week of the 4th project quarter.

1.4 Next Period Plan

The next quarter will be the last one for the project and these are the activities that need to be finished to successfully close the project:

- Complete the interfaces for migrating data from WebINF to ITDB
- Improve the current help documents for using the WebINF, both from a point of view of a user from Member States and for users at IAEA
- Produce system maintenance manuals
- Create technical documents that illustrate how the WebINF is designed and implemented
- Prepare a Project Closure Document

2.0   Financial and Business Status

The financial status for the project through 16 July 2014 is summarized in the following table:

Financial/Business Status			
Budget			
Authorized	**Q3: Cost**	**Total Cost to Date**	**Balance Remaining**
€ 100,232.00	€ 16,458.75	€ 49,376.25	€ 50,855.75
Labor Hours			
Authorized	**Q3: Hours**	**Total Hours**	**Balance Remaining**
2080	496	1488	592
Hardware & Travel [1, 2]			
Authorized	**Q3: Cost**	**Total Cost to Date**	**Balance Remaining**
€ 34,397.00	€ 19,864.42	€ 19,864.42	€ 14,532.58

[1] Hardware costs for QTY 4 Fujitsu Laptop, QTY6 Apple iPad's, QTY 1 Samsung Galaxy Note, and QTY 1 Mictrosoft Surface Pro including VAT and freight for delivery were €13,347.98

[2] Travel costs for ██████████ to attend training courses were €6,516.44 inclusing course fees and all associated travel

Appendix – Project Plan

ID	Task Name	Duration	Start	Timeline
0	**ITDB-WebINF**	**261 days**	**2013-10-16**	
1	Project Inititiation Document	24 days	2013-10-16	
2	Operational ITDB WebINF System for test users	110 days	2013-11-19	
3	1st Quarterly Progress Report	0 days	2014-01-16	◆ Jan 16
4	2nd Quarterly Progress Report	0 days	2014-04-16	◆ Apr 16
5	Operational ITDB WebINF System for ALL users	22 days	2014-04-22	
6	Software Solution to Export WebINF data to ITDB	65 days	2014-05-22	
7	3rd Quarterly Progress Report	0 days	2014-07-16	◆ Jul 16
8	User Manual for ITDB WebINF System	20 days	2014-08-21	
9	System Maintenance Manual and Source Code	10 days	2014-09-18	
10	Project Closure Document	10 days	2014-10-02	

Project: ITDB-WebINF.mpp
Date: 2014-07-14

Task		Inactive Summary	External Tasks
Split		Manual Task	External Milestone
Milestone	◆	Duration-only	Deadline
Summary		Manual Summary Rollup	Progress
Project Summary		Manual Summary	Manual Progress
Inactive Task		Start-only	
Inactive Milestone	◇	Finish-only	