

**COUNTY OF MILWAUKEE
Inter-Office Communication**

Date: February 16, 2018

To: Supervisor Peggy A. West, Chair, Committee on Finance and Audit

From: Jerome J. Heer, Director of Audits

Subject: Combined Status Report - Audits of Cybersecurity and Controls over Physical Access to Data Centers (File Nos. 16-352, 17-78)

In June 2016, we provided an overview of the informational report "Audit of Cybersecurity" (File No. 16-352) to the Committee on Finance and Audit. Due to the confidential nature of the findings and recommendations in the report, our overview was presented in closed session. The work underlying the report was conducted by Experis Finance, Risk Advisory Services (Experis) under a contract with our office.

In January 2017, we presented a separate, informational report, "Cybersecurity Audit: Controls over Physical Access to the County Data Centers" (File No. 17-78) conducted by the Audit Services Division. This report was also discussed in closed session.

Both audit reports set forth a series of recommendations focused on improving internal controls relating to data security at Milwaukee County. A status report describing the Information Management Systems Division's progress toward implementation of the Experis recommendations was presented in closed session at the Committee's meeting in December 2016 (File No. 16-699). A subsequent, combined status report was provided in closed session to the Committee at its meeting in September 2017.

Due to the detailed and sensitive nature of the individual recommendations, this current status report notes the general progress made toward implementation of the combination of recommendations from both audit reports.

Following is a summary of the progress toward implementation on recommendations reported by IMSD as of February 2018:

Summary: Status of Implementation of Audit Recommendations			
Report	Type of Recommendation	Status	
		Open	Complete
Experis	General (longer term infrastructure)	3	0
Experis	Internal Network Vulnerabilities	8	12
Experis	External Network Vulnerabilities	0	17
Audit Services	Data Center Access Controls	7	3
Total		18	32

Based on feedback from IMSD management, efforts are continuing to resolve all open items.

Because of the confidential nature of the information associated with the recommendations, we request that our overview be presented in closed session.

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This status report is informational and due to the remaining efforts required to fully implement the open recommendations, we plan to provide the next combined status report for the September 2018 committee cycle.



Jerome J. Heer

JJH/PAG/cah

cc: Scott B. Manske, CPA, Milwaukee County Comptroller
Finance and Audit Committee Members
Chris Abele, Milwaukee County Executive
Teig Whaley-Smith, Director, Department of Administrative Services
Laurie Panella, Chief Information Officer, DAS-Information Management Systems Div.
Kelly Bablitch, Chief of Staff, County Board Staff
Steve Cady, Research & Policy Director, Office of the Comptroller
Janelle Jensen, Legislative Services Division Manager, County Clerk's Office