



OFFICE OF INSPECTOR GENERAL

MEMORANDUM

DATE: October 19, 2004

TO: Inspector General *TC 10/26*

THRU: Thomas Cline *TC*
Assistant Inspector General, Audits

THRU: Walter Opaska *WPO*
Director IS, Audits

FROM: Joshua Karbelnig *JMK*
Office of Inspector General

SUBJECT: Visio Information Systems Audit Application

The Inspector General (IG) Act of 1978 requires IGs to provide leadership in preventing and detecting fraud and abuse at their agencies. As part of this program, a project was created to graphically depict the relationship between Information Systems (IS) audits and Federal Communications Commission (FCC or Commission) Information Technology (IT) applications. The objective of this project was to create a visual representation of IS audits and their connection to FCC IT applications. To accomplish this, we have created an online Visio application that ties FCC applications and audits.

REASON FOR SELECTION

This project was created to understand the relationship between IT applications and IS audits performed by the OIG and to organize this information into an easy to understand format. This project has a number of goals. The first is to give OIG audit management a visual representation of the scope of the IT audit program. The second is to provide IT audit continuity. The third is to identify areas where the IT audit coverage needs strengthening. This project accomplishes all three of these goals.

BACKGROUND

Before this project began, there was not a system in place to connect different FCC IT applications to audits. It was hard to determine which applications had been audited. Another problem was the difficulty in establishing the interrelationship between audits

applications. To attempt to resolve this situation, a visual diagram was developed to view the relationship between IS audits and IT applications.

SCOPE OF WORK PERFORMED

This project was created using the Microsoft Visio flowchart program. The purpose of this project was to create a visual representation of FCC IT applications and the IS audits that had been completed. Copies of the Visio applications can be found in appendix A.

The rationale behind this project was that previously there was not an organizational system in place to see which IT applications had been audited. At the beginning of this project, two spreadsheets were created. One spreadsheet had the names of IT applications, and the other had the names of the IS audits. With the help of the IS Audits Director, the correct IS audits were linked to their respective IT applications.

The next step in the project was to create the drawing using Microsoft Visio. First, the IT applications were drawn. These were then connected to audit summaries published in FCC-OIG semi-annual reports via a hyperlink. Comments and suggestions for improvement were given by Walter Opaska, Thomas Cline, and others in the OIG. Other documents are planned to be added, including links to OIG audit reports and the Performance Evaluation and Records Management (PERM) reports on audit follow-ups.

FUTURE PROJECT COVERAGE

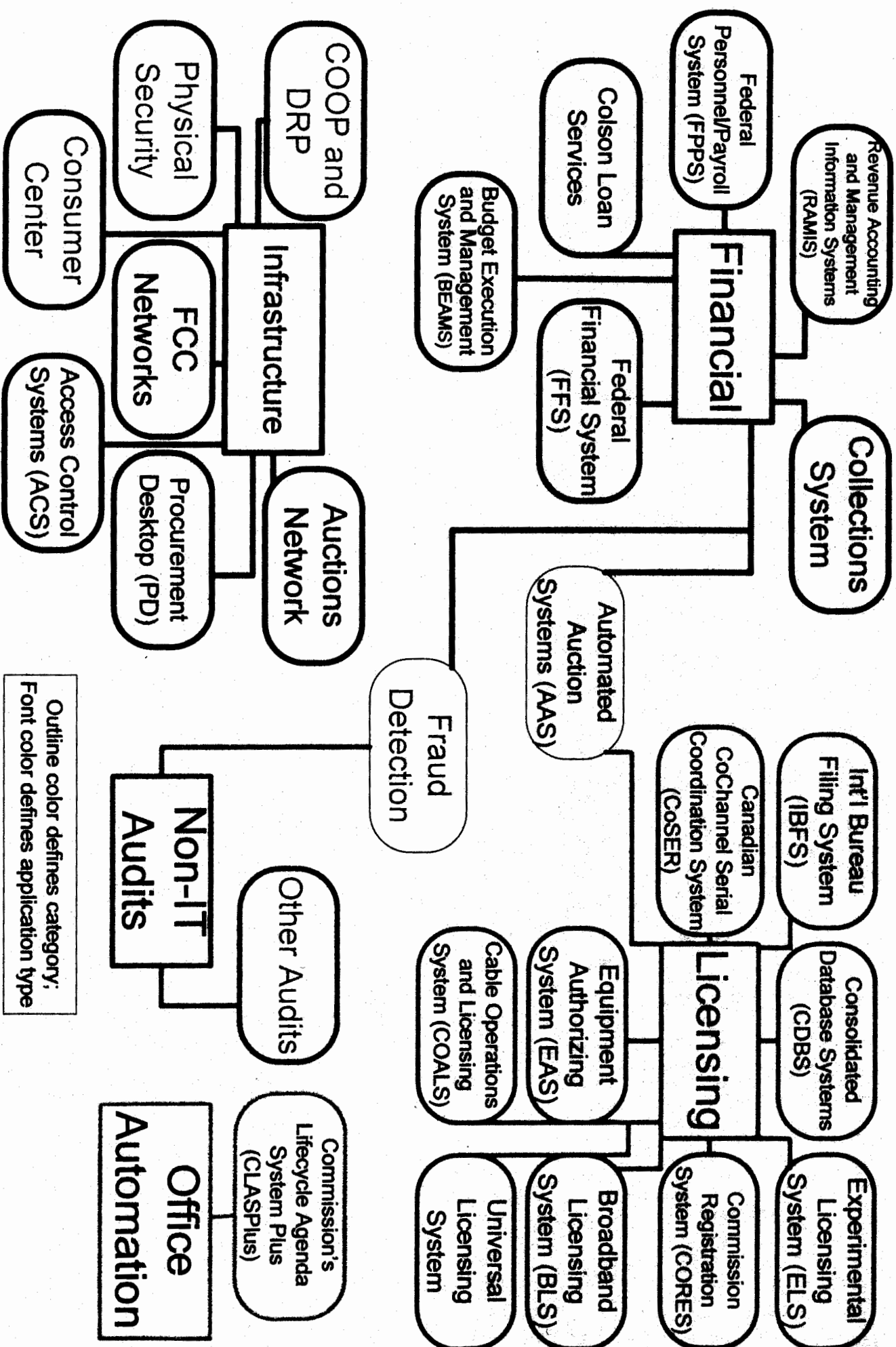
Although this drawing has been finished, it can be revised and expanded as needed. As IT applications are audited, the drawing can be updated to include new audit information. In addition, it will be necessary to add new IT applications that are created in the coming years. Otherwise, the program will become obsolete.

CONCLUSION

Based on this project, it will now be easier to determine which audits have been performed on IT applications. This will allow audit management to easily determine the scope of the IT audit program. The Visio application will allow audit management to identify areas needing further review. Finally, it will provide continuity for the IS audit program.

APPENDIX A

Visio Diagram



Outline color defines category;
 Font color defines application type

Major Applications

Minor Applications and Other Audits