

# Encryption Conversion Implementation Plan

FSA has created the following encryption implementation plan to respond to the IG finding regarding the current encryption settings for FSA systems.

- **Identify systems with encryption.** FSA has compiled a listing for the systems and applications that list which systems have encryption.
- **Identify if systems are using standards.** FSA researched the current encryption standards and compared the results of their research with the results from the systems to determine if the systems are using the current standards.
- **Schedule discovery and resolution JADs.** FSA will schedule discovery and resolution Joint Application Development (JAD) sessions through July 9.
- **Research solutions and do an impact analysis.** FSA will research various encryption solutions and upgrades and perform an impact analysis. The estimated time of completion is July 25.
- **JAD sessions will be completed by August 15.** JAD members will include members of FSA such as the FSA CSO, the FSA Technical Architect and chairing the JAD will be Nina Colon. During the JAD sessions, FSA will discuss at least the following:
  - Identify/determine all end points for SSL, VPN, FTP, SSH, et al for encryption.
  - Discuss the current situation for the FSA server side; including determining if the current server settings will accommodate encryption or if new settings have to be added. This will also involve a discussion regarding the need to convert SSL to TLS (TLS will accommodate AES.)
- **Contract modifications and service procurement.** The results of the JAD sessions may necessitate contract modifications and/or new service procurement. FSA will work on these modifications from mid August until October 30.
- **Complete implementations.** After the solutions have been settled on and the contracts updated, the actual implementation will be completed by December 30.