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| [Image Graphic]: Chief Information Office logo | | **SECURITY IMPACT ANALYSIS (SIA)** | |
| Date SIA Completed: | | 5/13/2020 | |
| Change Request Title: | | Forest Atlas version 2.1.27 - ACE (VDC) | |
| Change Request #: | | CHG0046000 | |
| Change Request Initiator: | | Anatoliy Zharkikh | |
| Change Description/Purpose:  Website source code changes. | | | |
| **#** | **Change Types** | | **Procedure(s) addressing the Question** |
| 1 | Does the change add new user role(s)?     Yes        No  If yes, forms to be updated:  Roles and Responsibilities Table  Separation of Duties Matrix | | * AC-2 Account Management * AC-3 Access Enforcement * AC-5 Separation of Duties * AC-6 Least Privilege * AC-10 Concurrent Session Control |
|  | Describe the new user role and state the name of the role(s): | | |
| 2 | Does the change add new or expanded functionality to current user roles?     Yes         No  If yes, forms to be updated:  Roles and Responsibilities Table  Separation of Duties Matrix | | * AC-3 Access Enforcement * AC-5 Separation of Duties * AC-6 Least Privilege * AU-2 Auditable Events * AU-3 content of Audit Records * SI-9 Information Input Restrictions * SI-10 Information Accuracy, Completeness, Validity and Authenticity |
|  | Describe the new or expanded functionality: | | |
| 3 | Does the change provide for a new or a different method of connection to the system?     Yes         No  If yes, forms to be updated:  System Connection Information  Dependencies spreadsheet | | * AC-4 Information Flow Enforcement * AC-11 Session Lock * AC-12 Session Termination * AC-17 Remote Access * AC-20 Wireless Access Restrictions * CA-3 Information System Connections * CM-6 Configuration Settings * CM-7 Least Functionality * IA-2 User Identification and Authentication * IA-3 Device Identification and Authentication * IA-6 Authenticator Feedback * SC-7 Boundary Protection * SC-8 Transmission Integrity * SC-9 Transmission Confidentiality * SC-10 Network Disconnect * SC-13 Use of Cryptography * SC-14 Public Access Protections * SC-23 Session Authenticity |
|  | Forms to be filled out or reviewed: | | |
| 4 | Does the change include new reports or allow for printing hard copies of documents that require handling instructions (e.g., For Official Use Only, Do Not Disclose, Sensitive, NARA inclusion, data.gov, etc.)?     Yes         No  If yes, forms to be updated:  Output Table | | * AC-15 Automated Marking * MP-2 Media Access * MP-3 Media Labeling * MP-4 Media Storage * SI-12 Information Output Handling and Retention |
|  | Describe the new reports or change: | | |
| 5 | Does the change include new forms or areas for users to enter data?     Yes         No | | * AC-3 Access Enforcement * AC-6 Least Privilege * AU-2 Auditable Events * AU-3 Content of Audit Records * SI-9 Information Input Restrictions * SI-10 Information Accuracy, Completeness, Validity, and Authenticity |
|  | Describe the new form(s) or area(s): | | |
| 6 | Does the change allow for the collection of new types of information types (e.g., Personally Identifiable Information or other information types contained in NIST SP 800-60 Volume I or II.)?     Yes         No  If yes, forms to be updated:  PII Information Collection form | | * PL-5 Privacy Impact Assessment * RA-2 Security Categorization |
|  | Describe the new types of information: | | |
| 7 | Does the change involve the import or export of data or changes to how this is done?     Yes         No  If yes, forms to be created or updated: | | * AC-3 Access Enforcement * AC-6 Least Privilege * AU-2 Auditable Events * AU-3 Content of Audit Records * SI-9 Information Input Restrictions * SI-10 Information Accuracy, Completeness, Validity, and Authenticity |
|  | Describe the import or export of data: | | |
| 8 | Does the change require a service account?     Yes         No  Forms to be created or updated: | | * AC-6 Least Privilege * CM-6 Configuration Settings * CM-7 Least Functionality |
|  | Describe the service account: | | |
| 9 | Does the change require modification to any operating systems, databases, web servers, or other system components?     Yes         No | | * CM-6 Configuration Settings * CM-7 Least Functionality |
|  | Describe the modifications:   update to Forest Atlas version 2.1.26 – change of map services url. The application calls map services from the USFS's EDW (and other sources). These maps are never stored on the server, but brought directly into the client's browser. | | |
| 10 | Does the change involve adding any servers, workstations, databases, web servers, or other system components?     Yes         No | | * CM-6 Configuration Settings * CM-7 Least Functionality * CM-8 Information System Component Inventory |
|  | Describe the added components: | | |
| 11 | Does the change involve upgrading any operating systems, databases, web servers, or other system components?     Yes         No | | * CM-6 Configuration Settings * CM-7 Least Functionality * CM-8 Information System Component Inventory |
|  | Describe the upgrade: | | |
| 12 | Does the change alter or add any security functionality?     Yes         No | | * Applicable control altered or added |
|  | Describe the alteration or added security functionality: | | |