IA-00109

Information Assurance Vulnerability Alert DISA Internal Process and System

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13. ABSTRACT ***(Maximum 200 Words)***

This briefing outlines DISA's internal procedure for tracking IAVAs. It discusses the policy, procedures, organizations responsible for tracking the IAVAs, and the security features of the program.

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IAVA Background

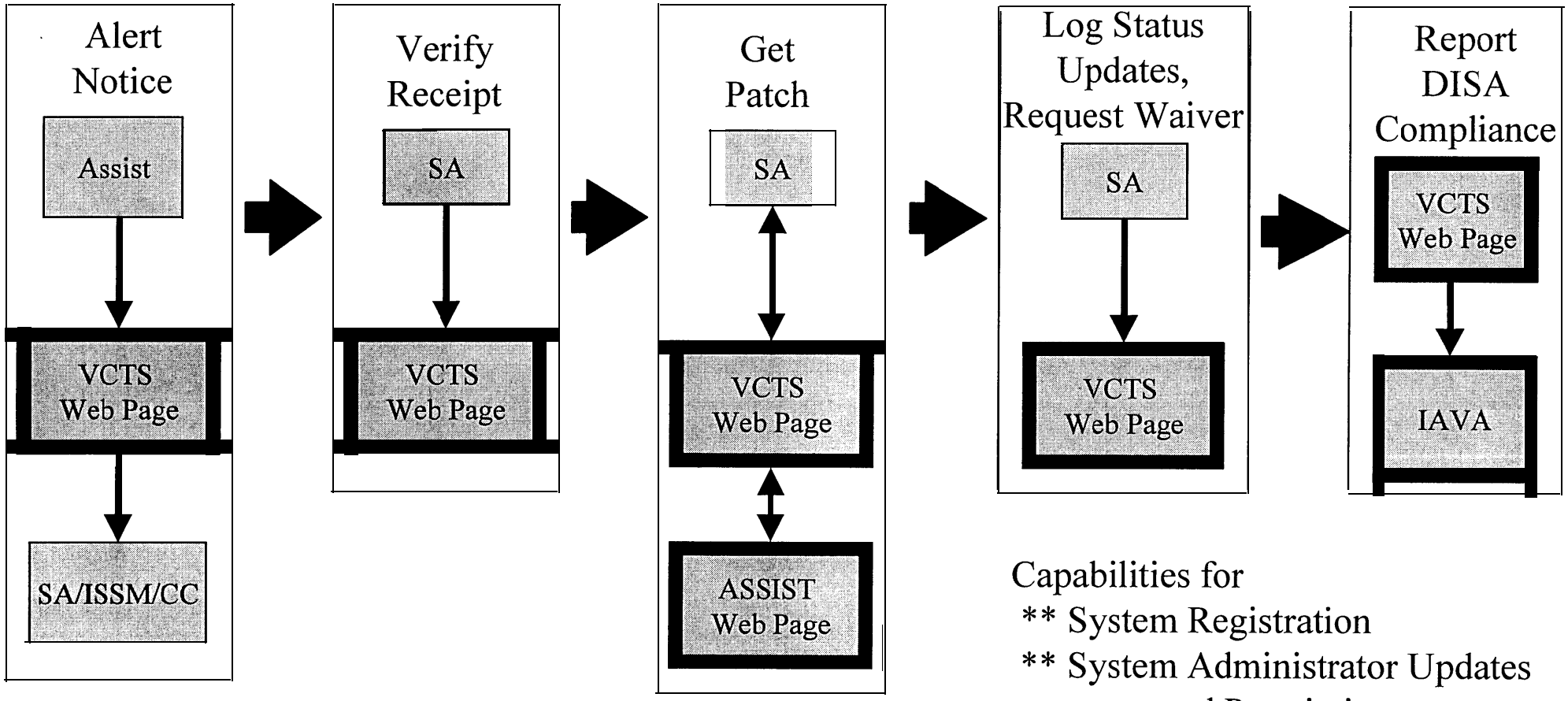
DOD has mandated that all C/S/A develop a methodology for ensuring:

- Vulnerability alert notifications are received by System Administrators
- Vulnerabilities are corrected within 30 days
- Periodic/Random validation of system status

Vulnerability Compliance Tracking System

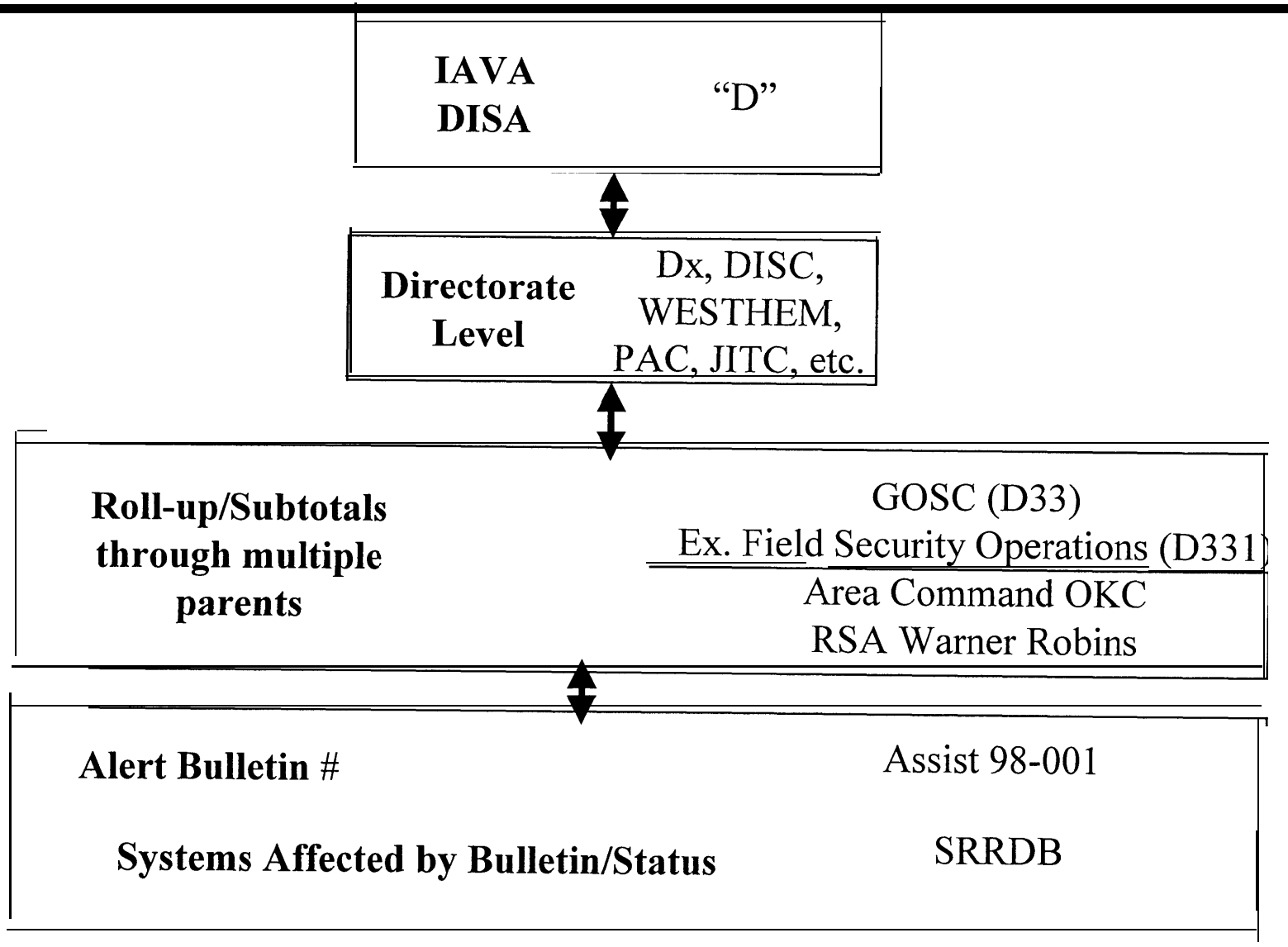
- Provide the ability to quickly notify and receive acknowledgement from subordinates of an IAVA
- Assess the impact of a vulnerability on the infrastructure
- Monitor status and closure of vulnerabilities
- Provide reporting to DoD of compliance

Vulnerability Compliance Tracking System

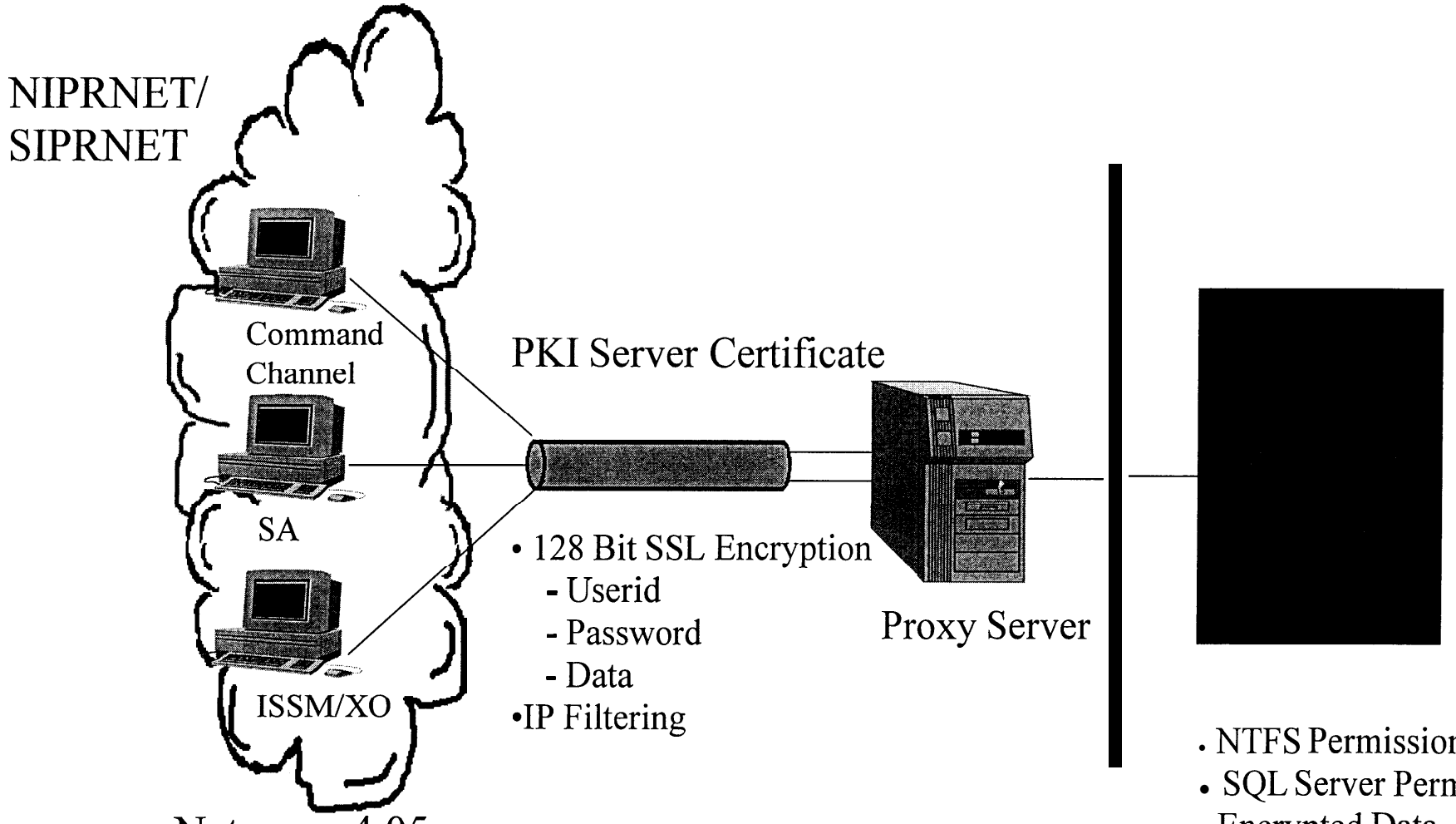


Capabilities for
** System Registration
** System Administrator Updates and Permissions

Organization Reporting Capability



VCTS Security Features



- Netscape 4.05 or
- IE 4.0

Other Agency Use of VCTS

- Host on platform with DISA
  - Data segregated with strict access control
  - Costs to be negotiated

- POC
  - Danette Wile
  - 717-267-9933
  - wiled@ritchie.disa.mil

BACKGROUND

VCTS Capabilities

- Reporting/Oversight by ISSMs and Xos
- Update of SA/User information
- Registration/Update of Systems
- Delegation of browse & update to other SAs
- Automatic feed to IAVA of DISA's posture

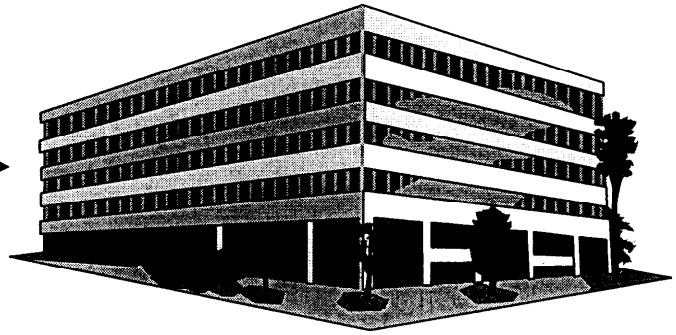
Vulnerability Compliance Tracking System (VCTS) Capabilities

- Notification of alert to registered users based on function
- Acknowledgement of receipt by system
- Process for requesting waivers
- Tracking of closure/posture of vulnerabilities

VCTS Registration Process

DISA Form 41

FAX



RSA Chambersburg

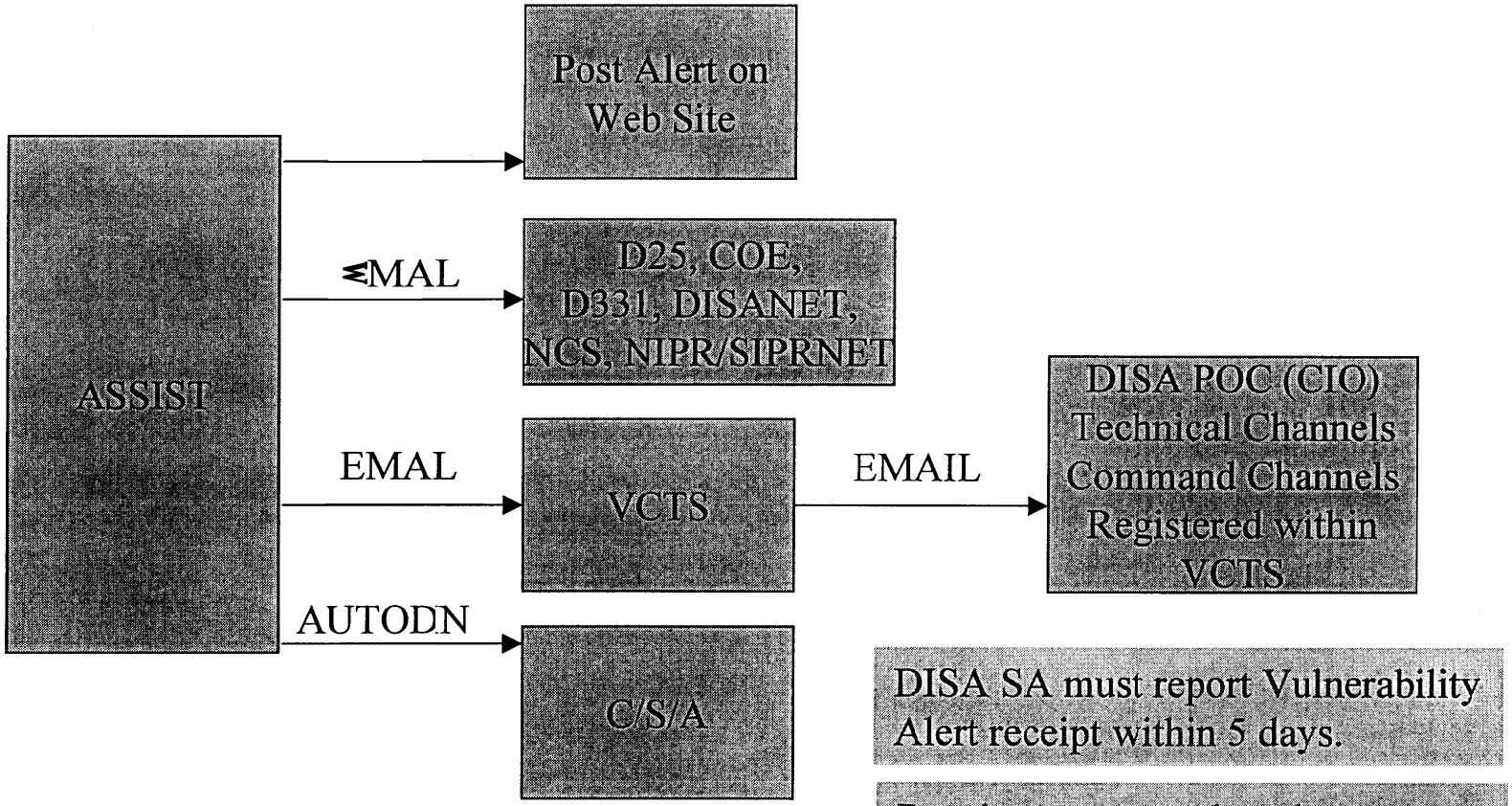
Create User's NT Account
Load IP Address
Create User Profile
Prepare User Package
5 Days or Less

FEDEX
1 day

Return Receipt via FAX
User Account Activated
within 24 hours

DMC Chambersburg fax:
717-267-9055
DSN: 570

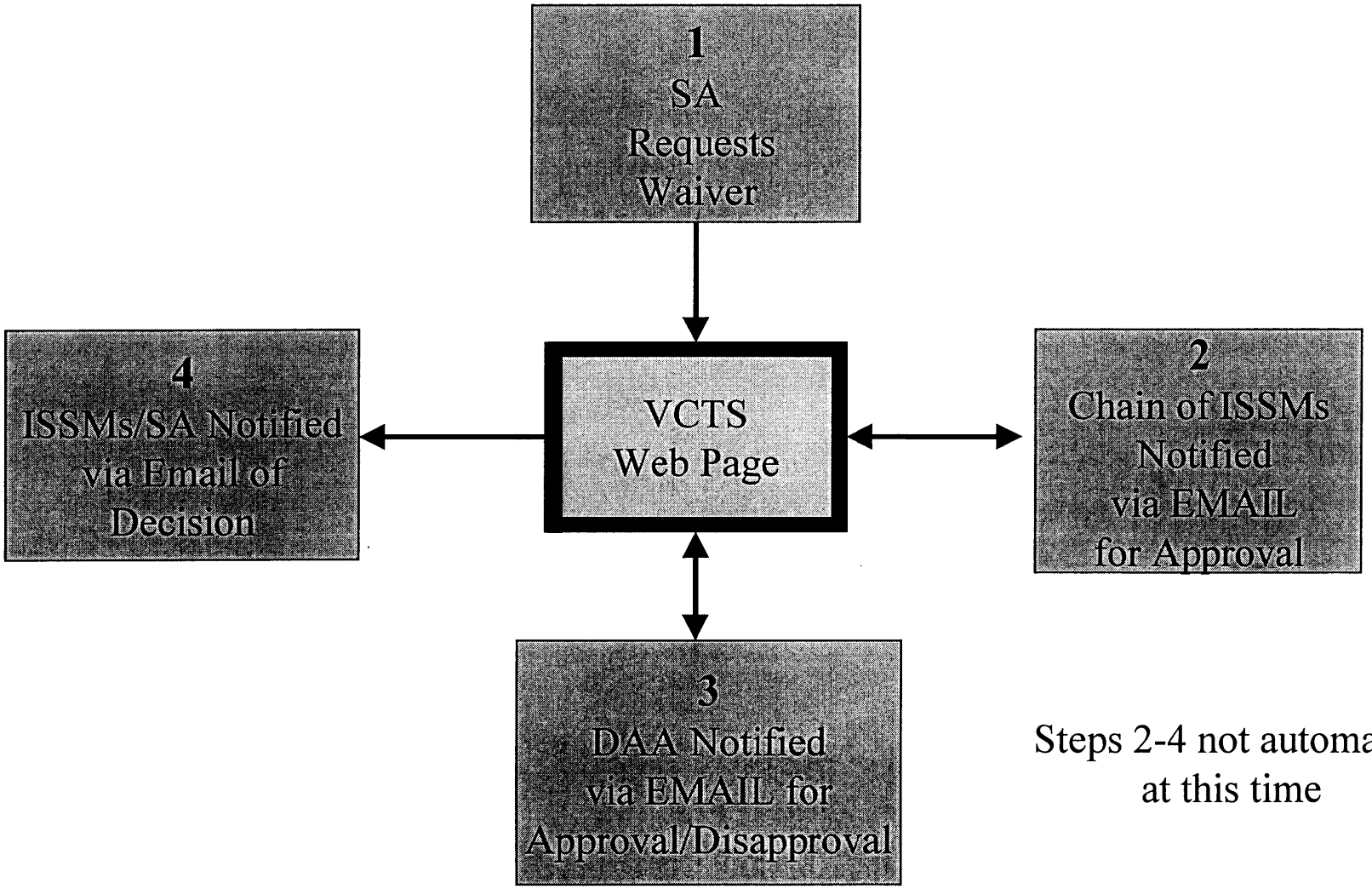
Message Dissemination



DISA SA must report Vulnerability Alert receipt within 5 days.

Receipt counts are kept by system so that only one SA from each system needs to report for all systems affected.

Walver Process



Steps 2-4 not automated
at this time

User Types

- XO
  - Receive all IAVA Alerts
  - Organizational view of the data
  - Notified when waiver has been requested

- ISSM
  - Receive all IAVA Alerts
  - Organizational view of the data
  - Approves waiver prior to DAA adjudication

User Types

- System/Network Administrators
  - Recieves only those bulletins for systems they have registered or have been given update authority for
  - Requests waiver
  - Cannot view system data that they have not been given explicit permission to

Current Reports Available

- ISSM/XO
  - Compliance Summary Report by Vulnerability (VM02)
  - Active Users by Organization (VM03)
  - Registered Systems by Organization (VM04)
  - Waiver Summary Spreadsheet (VM08)

- SA/ISSM/XO
  - Compliance/Acknowledgement Report by System (VSO 1)
  - Compliance/Acknowledgement Report by Vulnerability (VS02)

V 1.0 Outstanding Capabilities

- Complete Reporting
  - VS05/06 - Acknowledgement Report by User/System
    - By Organization/Site
    - By Alert
    - 1 March 1999
- Interim Waiver Process
  - CIO will grant/deny waivers regardless of accreditor
  - CIO will grant/deny waiver, indicate expiration date, and provide pertinent comments
  - Available 25 February 1999

V 2.0 Enhancements

- Link to Accredited System/Major Program
  - Allow for oversight by Program Management Office
  - Allow for Waiver Request/Granting for entire Program
  - Allow Email by PMO to SA(s)
  - Multiple accreditor based on system/program
  - Allow Accreditor to review site and system status
  - Allow Accreditor to review asset/component information
  - Cross Oganizational browsing at program level

V 2.0 Enhancements

- Fully automate waiver process
  - Through ISSM/Program/Technical/Adjudication Chain
  - Process for Major Programs to be determined by Program
  - Multiple DAAs
  - Ability to establish different waiver processes depending on program or system

- Specifications out for comment on 1 March 1999

V 2.x Requested Enhancements

- Status Information
  - Update status after completion
  - Allow browse by XO, ISSM, PMO, CIO
  - Provide list of N/A reasons
- Allow ISSM to enter Organizational Comment
- Acknowledgement
  - Unacknowledge Receipt
  - Confirm Acknowledgement

V 2.x Requested Enhancements

- Subscription to bulletins
- ISSM to give permission to a system within their organization to any registered SA
- Supporting reports for new functionality