

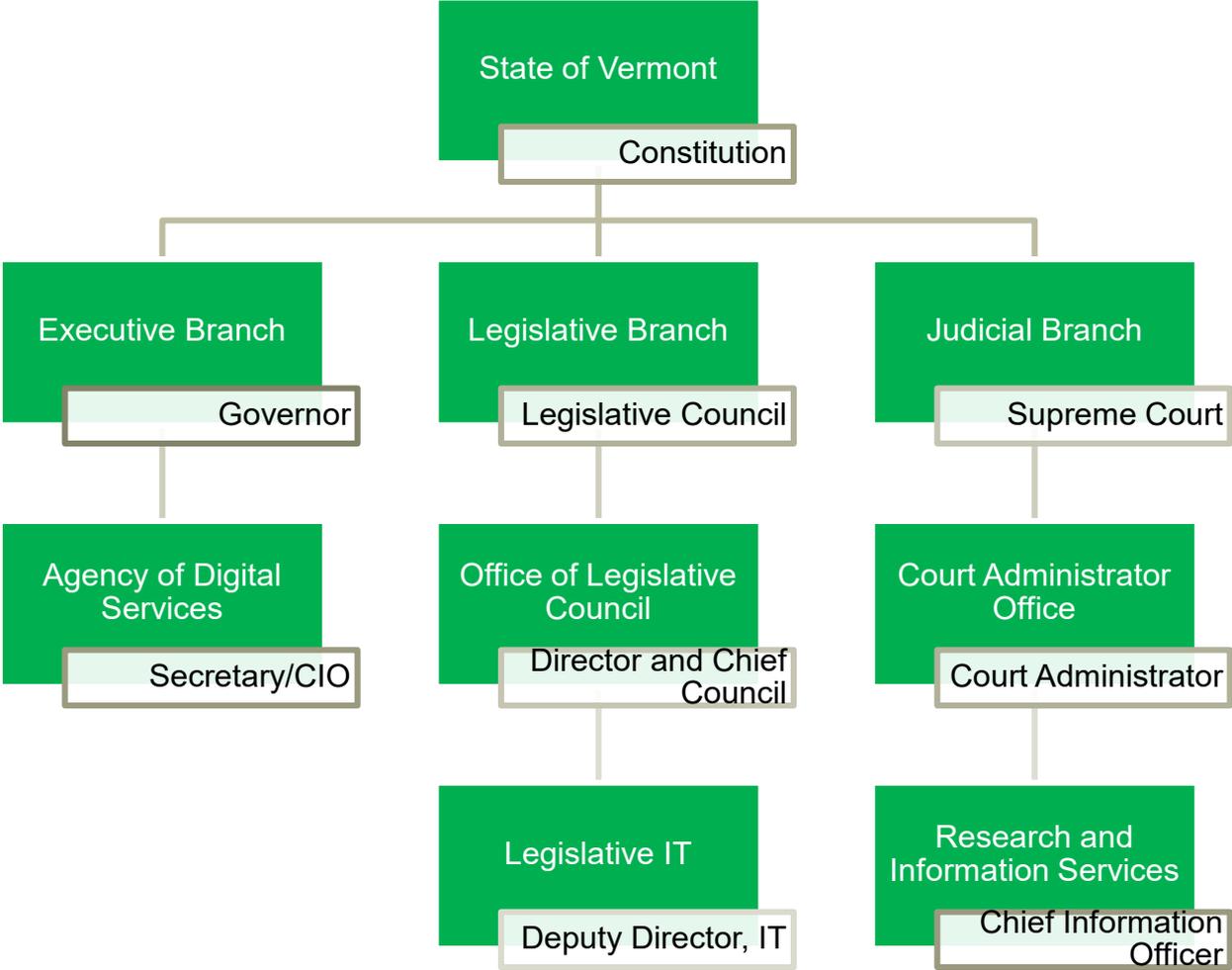
VERMONT JUDICIARY RESEARCH AND INFORMATION SERVICES

**UPDATE TO JOINT INFORMATION TECHNOLOGY OVERSIGHT COMMITTEE
AUGUST 23, 2019**

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Patricia Gabel, State Court Administrator, Vermont Judiciary



Vermont State Government IT



Judiciary Research and Information Services (RIS)

RIS supports the technology requirements of the Judiciary

- **Daily Operations**
 - Infrastructure and Support
 - Help Desk
 - 24 Courthouses throughout the State with unique technical requirements
 - Wireless public network for Courthouses
 - Specialty server infrastructure for unique Court requirements
- **Court Case Management**
 - Case Management Systems
 - Business Analysis
 - Forms
 - Statistics and Reporting



Judiciary Research and Information Services (RIS)

We utilize the services of the Agency of Digital Services

Allocated

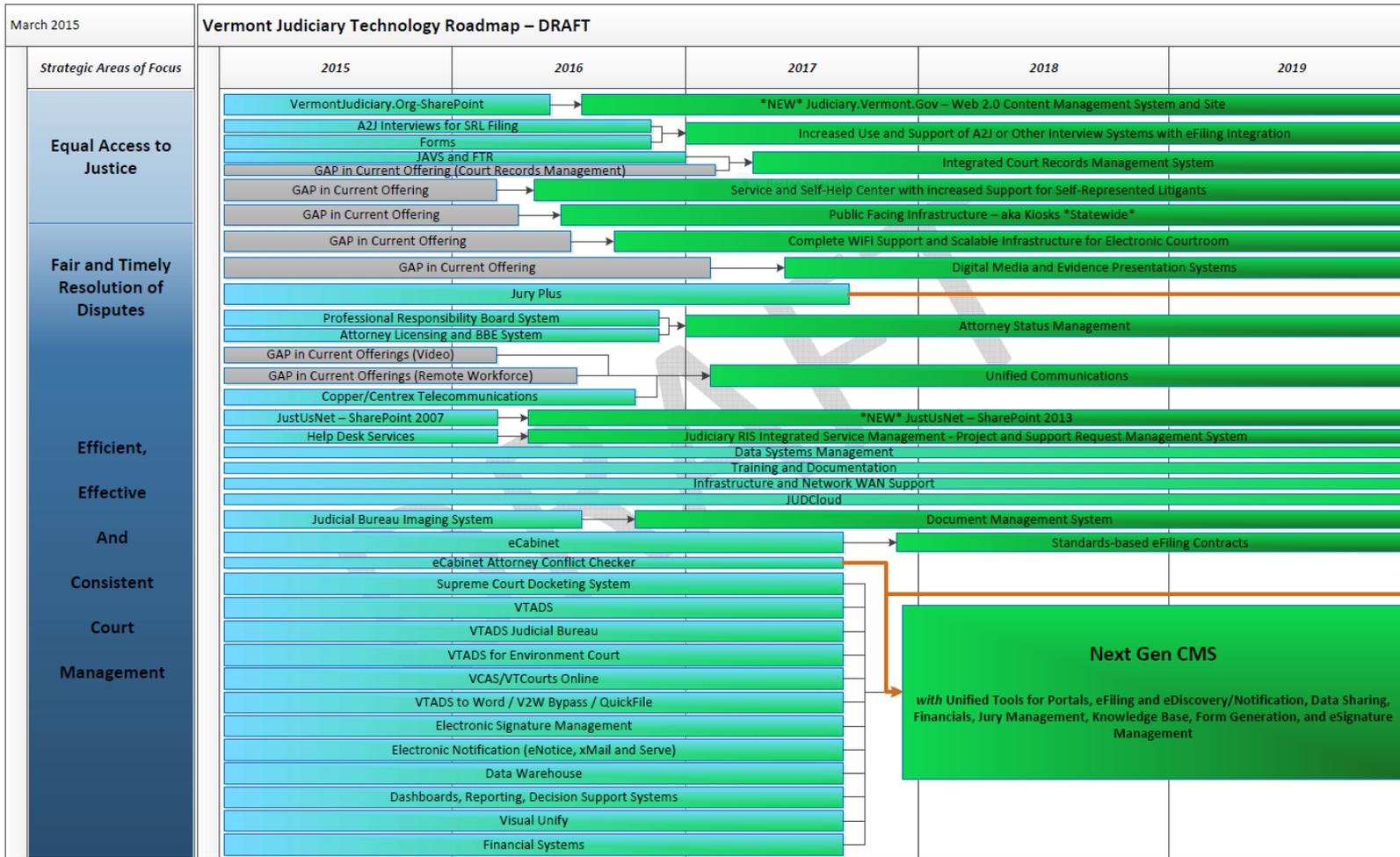
- Networking
 - Manage physical network across the State
 - Firewall, VPN and perimeter security
 - VOIP and Web conferencing

Demand

- **Office 365*
- Image and deploy PC and laptop hardware and software
 - Including encryption and antivirus protection
 - BitLocker and Windows Defender (Microsoft standard)
- Video endpoints
- Virtual servers for applications and storage



Judiciary Technology Roadmap

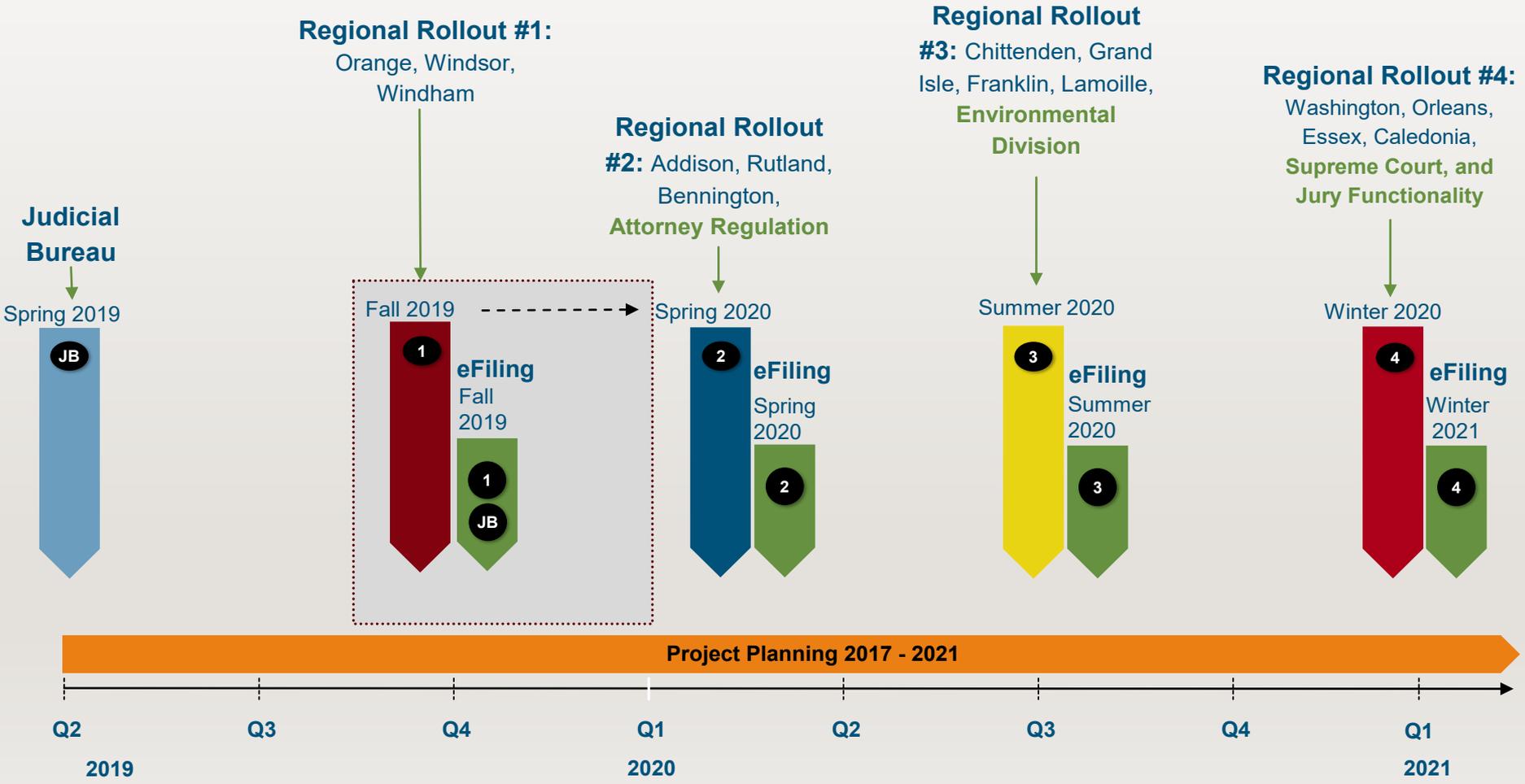


NG-CMS Background

- The Judiciary's legacy Case Management System (VTADS) is no longer able to support current and future organizational objectives and imperatives
- In 2015, we started a multi-year initiative to select and implement a Next Generation Case Management System (NG-CMS)
- A well-designed, modern CMS will drive and enable the transformation of the Judiciary's case management process from a paper-driven to an electronic-focused business model
- The NG-CMS will improve access to justice for our citizens, strengthen inter-agency communication, and enable more efficient court operations through faster court case initiation, more accurate electronic case files, and improved document availability and accessibility



NG-CMS Project Timeline



Information Security at the Judiciary

- Policies
 - Mobile Device Access
 - User Password
 - Electronic Communications and Internet Use
 - Develop plans to reference State Information Security Policies as appropriate
 - *5/2/2019 draft; 8/2017 on ADS website*
- Training
 - “Securing the Human” offering from Executive Branch
 - *83% of Judiciary staff attended*



Information Security at the Judiciary

- Network and Cybersecurity
 - ADS
 - Network
 - *ADS provides network security through firewalls, VPN, certificates, and Internet border intrusion detection and prevention*
 - Desktops
 - *ADS provides desktop/laptop security on the local operating system via BitLocker encryption, Windows Defender antivirus, and security patches*
 - *Utilizing OneDrive and Outlook which both come with built in encryption*
 - *Implemented MFA (multi-factor authentication) throughout the Judiciary to ensure that we have a dual layout of security for all employees using Microsoft Office and/or OpenVPN*



Information Security at the Judiciary

- Network and Cybersecurity
 - RIS
 - Servers
 - *Responsible for securing the operating system of our servers via antivirus and security patching*
 - *115 servers within the ADS network umbrella located at Tech Vault*
 - *Working towards deploying ADS's Ivanti monitoring tool to all our servers at Tech Vault*
 - NG-CMS
 - *Odyssey environments make up approximately 60 of the servers at Tech Vault*
 - *Actively working with our vendor, Tyler, to improve and enforce strict security standards and practices within these environments*
 - *Critical to lock down the public portal and efilng websites*
 - *Worked with ADS security during implementation to tighten up the number of whitelisted IP's allowed*
 - *Continue working with Tyler to tighten up security in these areas*



Information Security at the Judiciary

- Network and Cybersecurity
 - RIS
 - Specialty infrastructure and servers (FTR)
 - *There are 5 servers that RIS maintains separate from ADS*
 - *Legacy servers host our court audio recordings and software development environments*
 - Infrastructure improvements planned
 - *Update server hardware*
 - *Relocate to Burlington*
 - *Rearchitect them with security in mind*
 - *Utilize an additional firewall*



Information Security at the Judiciary

- Network and Cybersecurity
 - Website vermontjudiciary.org
 - Portland Webworks: Drupal 8.5.15
 - *Hosted on AWS GovCloud*
 - *Hosting access requires 2 factor authentication*
 - *Virtual Private Cloud*
 - *Web Application Firewall (WAF) monitoring traffic to the site*
 - *Apply critical Apache, and other OS software security updates*
 - *Monitor and watch Drupal for security updates*
 - *Apply critical security updates immediately after release*
 - *Data encryption at rest*
 - *All web traffic uses SSL, SSH or similarly encoded and secure protocols*
 - VIC
 - Legacy solution
 - *VT Courts Online*
 - *Criminal Division Payment Portal*
 - *Attorney Licensing Portal*
 - NG-CMS will largely replace
 - Judicial Bureau now using Odyssey portal
 - *Payments for Vermont Civil Violation Complaints, Vermont Municipal Complaints, and VT Fish and Wildlife Violations*



Information Security at the Judiciary

- Establishing relationship with external cybersecurity partner
 - NIST Cybersecurity Assessment/Risk Assessment/Program Review
 - Report observations for each NIST Cybersecurity Framework subcategory and related NIST 800-53 controls
 - Recommend next steps to improve the Judiciary's security posture
 - Developing agreement and SOW
- Develop MOU between Judiciary and ADS
- Coordinate with neighbor state judiciaries on future actions
 - Maine, New Hampshire

