



# CyberBahn Federal Solutions, LLC

## Section 508 Compliance Capability

**Jamuna Sundararajan, PMP, RTE, SPC**  
**President and CEO**  
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### ABOUT CYBERBAHN FEDERAL SOLUTIONS

CyberBahn Federal Solutions LLC (CyberBahn) is an 8 (a) certified, Woman-Owned Disadvantaged Small Business IT development and consulting firm.

We have extensive technical and program management support experience in Accessibility and Section 508 Compliance. We have assembled a specifically-targeted 508 SME team, possessing repeatable and proven methodologies that present a low-risk approach to assist the entire section 508 compliance domain – customized 508 solution implementation/Testing /Remediation and Training to any Federal agencies.

### ACCESSIBILITY & SECTION 508 COMPLIANCE

CyberBahn professionals provide organizations with the best value, lowest risk. Led by the CyberBahn executive management team, our experienced consultants support a range of accessibility and Section 508 (access board standards) compliance services, including.

- 508 SME team
- Deep experience in implementing 508 solutions and developing best practices.
- Experience in imparting training/web-based development courses
- Award winning UI/design/test team that has strong experience in design heuristics, usability, and accessibility.
- Implement custom 508 solutions: test accessibility through a wide range of accessibility tools.

### OUR PAST PERFORMANCE



**Health and Human Services (HHS)**, Centers for Medicare and Medicaid Services (CMS).



**Veterans Affairs:** Veterans Enterprise Management System (VEMS).



**Department of Defense/Veterans Affairs:** Health Registries framework, Janus Joint Legacy Viewer (JLV), and Janus Application.

### COMPANY CONTACT

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### BUSINESS CERTIFICATIONS

- 8(a) Certified - SBA
- MBE/DBE - State of Maryland
- Woman Owned Small Disadvantaged Business
- SWaM certified - State of Virginia
- Montgomery County Minority Female & Disabled Owned Business program (MFD)
- Montgomery County, MD - LSBR

### BUSINESS IDENTIFICATION

- Federal Tax ID Number: 46-1759006
- DUNS and Bradstreet Number: 079089408
- CAGE Number: 70D49
- UEI: FJLPSKQ8PU49
- Central Contractors Registered: Yes
- Incorporation: Virginia, Since 2012

### NAICS CODES

- 518210 - Data Proc., Hosting, and Related Services
- 519130 - Internet Publishing, Broadcasting and Web
- 541330 - Engineering Services
- 541511 - Custom Computer Programming Services
- 541512 - Computer Systems Design Services
- 541519 - Other Computer Related Services
- 541618 - Other Management Consultancy Services



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CyberBahn Federal Solutions, LLC is an 8(a) Certified Woman Owned Small Disadvantaged Business (SDB) providing Information Technology and Management Consulting Services.

### CYBERBAHN ACCESSIBILITY AND SECTION 508 COMPLIANCE SERVICES

#### OUR SERVICES

All federal agencies are required to make information technology accessible – regardless of medium, including websites, web portals, mobile apps and application software.

At CyberBahn, we have a Section 508 compliance team that includes 508 SMEs, 508 solution developers and Testers. Our solution developers have an extensive design background and they understand how to develop screens, user interface and present information in a way that enables easy user access – regardless of the type of software or device they are using. We incorporate the best practice principles of forms design, web usability and accessibility that uses W3C, WCAG 2.0, and Access Board Standards for 508 so that all users are able to effectively navigate federal websites, portals and applications.

#### WHY AUDIT AGENCY SOFTWARE & WEBSITES?

**Auditing for Section 508, American with Disabilities Act (ADA) and Web Content Accessibility Guidelines (WCAG) Compliance audits are a fact of life for government agencies today.** If you haven't yet begun auditing your IT systems to determine their compliance with accessibility standards such as Section 508, ADA, and WCAG 2.0, it's time to start. CyberBahn is proficient at conducting accessibility audits that identify and prioritize all accessibility errors within an IT system; define the method for addressing any issues; and document the system's overall compliance with Section 508, ADA, and WCAG. Our resulting audit reports can then be used to improve system compliance; prepare for Department of Justice (DoJ) and Office of Management and Budget (OMB) audits and help protect you against legal action. Benefits include:

- Document current accessibility status and compliance rates
- Obtain reliable, independent analyses using standardized testing methodologies.
- Create a prioritized project plan for addressing issues.
- Review code-level examples of accessibility errors and recommended solutions for remediation
- Increase constituent accessibility; Strengthen Best Practices
- Access to cutting-edge technologies for advanced planning

#### OUR APPROACH

Our IT experts start every 508 compliance project by conducting a thorough evaluation and assessment of your web and software applications against Section 508 standards. Next, we develop a detailed project plan with 508 lifecycle and timeline to make it completely 508 compliant. We then conduct in-depth 508 compliance testing as per our comprehensive 508 compliance checklist and then present a remediation plan with practical recommendations and suggestions on how best to make the product compliant as per the 508 rehabilitation act. We will make the approved changes and remediation steps needed to achieve Section 508 compliance. Lastly, we perform a final re-evaluation to ensure full compliance. As part of our ongoing Section 508 compliance services, we typically perform the following:

- Audit Agency web assets and applications.
- Assess and score each resource based on compliance and adherence to usability and accessibility best practices.
- Prioritize and rank each website Agency-wide based on its level of importance, public visibility and use.
- Work through a prioritized discrepancy list and perform the remediation services needed to be Section 508 compliant.

#### CAPABILITIES SUMMARY

**Section 508 compliance is not just about checking the box.** Our compliance experts who take this important law into consideration for everything we do. Our team has created the best practice for Section 508 and built custom solutions utilizing the technical standards of Section 508 Law for Software Applications and Operating Systems. Development that spans a wide range of constituent access points such as:

- Websites and information portals
- Mobile technologies (responsive web design)
- Expertise across a variety of accessibility tools such as JAWS/Window Eyes/Dragon Naturally Speaking etc.
- Factor in all accessibility attributes across the full development cycle
- Provide detailed testing and remediation reports.



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### SECTION 508 COMPLIANCE EVALUATION SPRINTS

Our IT experts have developed a concise and proven process for evaluating websites, web portals, mobile apps and application software. We follow and factor real-world conventions – making sure that information is easy for users to locate, access and navigate. As part of our process, we ensure that meaningful and descriptive labels, window titles, messages and alert notifications are understandable.

Our SQA team (508 testers) possesses a thorough understanding of Section 508 compliance and the usage of assistive technology tools such as JAWS, Windows Eyes and Dragon Naturally Speaking. At a minimum, our 508 testers/SQA evaluate the following.

- Are all elements navigable via keyboard?
- Is the tabbing order of elements logical?
- Are all elements recognized by assistive technology?
- Do all the elements have a label recognized by the assistive technology and the label sufficiently describes the element's purpose?
- Are all images explained via an alternate tag?
- Do all tables identify columns and row properly to the assistive technology?
- Does the assistive technology bring the user back to a meaningful data element on a partial page post back?
- Are required fields denoted non-visual data?
- Will the user of assistive technology be aware of all validation error messages without navigating through the whole page?
- Are skip links present to bypass repetitive headers and menus?
- If color-coding is used, is there a data equivalent in the page and accessible by the assistive technology?

### OUR CORE COMPETENCIES

CyberBahn leadership and expertise in Section 508 compliance is widely recognized. Let us help you to increase constituent accessibility, strengthen best practices and maintain ongoing compliance. We can provide:

- Accessibility Testing. Assess the product to identify accessibility issues and ensure that it complies with Section 508 using a variety of accessibility testing tools for wide range of users with disabilities.
- Program Management Support. Strategic consulting to help manage accessibility programs.
- Help Desk Support. Answers to Section 508, accessibility development, and assistive technology questions and services
- Accessibility Training. Attend an online webinar or a customized on-site training on web or mobile accessibility, Section 508, PDF, or accessibility testing.
- PDF Remediation. Resolve compliance and usability challenges with our expertise in your PDF documents.
- Third-party evaluation of products to verify compliance of content and systems.
- On-Going Compliance Monitoring. Audit changes and monitor evolving standards to maintain compliance.
- Section 508 Life Cycle: Our proprietary Integrated IT investment & System Life Cycle Framework

Section 508 compliance is not just about checking the box. Our compliance experts take this important law into consideration for everything we do. Our team has created the best practice for Section 508 and built custom solutions utilizing the technical standards of Section 508 Law for Software Applications and Operating Systems.

To discuss our Section 508 Lifecycle contact: Jamuna Sundararajan at [Jamuna@CyberBahnIT.com](mailto:Jamuna@CyberBahnIT.com)