



## Independent Verification and Validation Services (IV&V)

### IV&V Overview

Lore Systems helps agencies and organizations ensure that their projects' expected outcomes and work products for systems development meet the original needs and specifications. We also ensure that progress is being met as effectively and efficiently as possible, while in accordance to the overall objective or mission of the organization.

We achieve this by investigating the performance and risks based on standards and best practices in the industry, as well as via a solid understanding of the organization's environment

In addition, we work to understand, refine, and build the appropriate requirements for the system, as well as to establish and refine the appropriate practices and processes to maximize the utilization of the systems development team. These practices and processes can range from requirements elicitation and management, change management, quality management, and systems deployment.

When approached correctly, IV&V is a reliable and trusted way to ensure that the system is being developed per requirements, that the system is reliable, and that it is built with sound engineering practices. This will ensure that we are maximizing utilization and productivity, and thereby minimizing costs of the outsource provider or development team.

### What to Expect

Our engagement begins with a thorough assessment of our client's needs, requirements, and objectives for IV&V services. We then conduct a detailed assessment of the system or product life cycle to which the solution will be built. This includes a review of various project artifacts that include items such as a project charter, project plans, business case, requirements document, test plan, and configuration management plan. The engagement will also involve interviews with various project sponsors, stakeholders, and key members of the project team. During the engagement we will refine our understanding, validate our findings, and focus on identifying improvements and solutions to increase project success, minimize risks, and project costs. We will provide any missing or updated project artifact and assist in refining, repairing, or building components of the system or product life cycle.

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### Our Expertise

Founded in 1995, Lore Systems has been providing advanced IT consulting and managed services. Our consultants consistently exceed client expectations and quickly hit the ground running to deliver measurable results in the most difficult situations. Our hallmarks are our process and architectural rigor, as well as our own well-honed best practices and risk mitigation disciplines that assure delivery - on time, within budget, and to exacting quality standards.

The Lore team has domain expertise in providing IV&V services for ERP (enterprise resource planning) projects which are being implemented by Government and Fortune 500 organizations.

### Our Approach

At Lore, we take a client centric approach to everything we do. We put your needs, requirements, and objectives first, then work around these requirements to help you deliver results. We respect and invite the participation and contribution of everyone and do not look to supplant client personnel with our entourage. We selectively deploy our consultants to best complement your domain expertise with our own unique blend of business and technology expertise. Sometimes, less is more. Careful coupling of our own highly experienced consultants, with energized and focused client staff, consistently produces superior results. In order to insure maximum accountability to our clients, every Lore engagement is "sponsored" by one of our Executive Team members who will maintain oversight and ultimate accountability.

### Our Philosophy

Our philosophy is all about how we can consistently deliver the best performance to our clients. Our goal is to deliver the most unique user experience in the IT industry by making IT "easier, friendlier, and more reliable" for our clients. We do this with a "can do" attitude, proactive thinking, proactive communication, and active real-time reporting and analysis. We are never satisfied with our results and continually seek to improve our results and our delivery capabilities for our clients.

### Labor Categories

- Program Manager
- Senior Process Engineer
- Project Manager
- Senior Business/Requirements Analyst
- Systems Architect
- Business/Requirements Analyst
- Quality Engineer
- IV&V Analyst
- Configuration Mgmt. Specialist
- Technical Analyst
- Tester

### Program Manager

Responsible for managing one or more projects within the constraints of scope, quality, time, and cost to deliver specified solutions that meet or exceed client expectations. Must have applied knowledge in terms of recognized Project Management Maturity Model process groups and knowledge areas; direct Project Management and/or Consulting experience involving the planning and delivery of mission-critical IT initiatives of varying types, including (but not limited to) software development, enterprise application implementation, process improvement, and strategic planning; Proven ability to lead, manage, and motivate project resources in a matrix environment, including client team members. Professional Project Management accreditation (PMI or Prince2) is desirable. Experience developing, communicating, and maintaining project management best practices and methodologies is a plus.

**Senior Process Engineer**

Must have expertise and depth of knowledge in at least one industry standard process such as RUP, Agile, ITIL, or CMMi. Experience in this process requires using the process in a variety of roles and projects followed by experience in tailoring and implementing the process. Skills and experience should include analysis for process implementation, organizational change management, mentoring & coaching, and an understanding of the tools used to automate the process.

**Project Manager**

Acts as overall manager for one or more projects; serves as the primary interface and point of contact with the Program Manager, on technical program/project issues. Supervises program/project operations by developing system engineering and management procedures, planning and execution of the engineering and technical effort. Responsible for monitoring and reporting progress, management of acquisition and employment of the program/project resources management and control of financial and administrative aspects of the program/project with respect to delivery order requirements.

**Senior Business/Requirements Analyst**

Responsible for the facilitation of all requirements discovery, from establishing the business need and ensuring project scope through to detailed requirements analysis, definition and support across the full project lifecycle. Experience using requirements management tools.

**Systems Architect**

Broad experience across multiple software development disciplines. Demonstrable ability to conceptualize an overall solution architecture and effectively communicate it to both technical as well business audience. Must have experience with governance process engineering, communication & rollout expertise.

**Business/Requirements Analyst**

Responsible for the facilitation of all requirements discovery, from establishing the business need and ensuring project scope through to detailed requirements analysis, definition and support across the full project lifecycle.

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LORE NAICS CODES	
Codes	Descriptions
517911	Telecommunications Resellers
517919	All Other Telecommunications
518210	Data Processing, Hosting, and Related Services
519120	Libraries and Archives
519130	Internet Publishing and Broadcasting and Web Search Portals
519190	All Other Information Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541519	Other Computer Related Services
541611	Administrative and General Management Consulting Services
541613	Marketing Consulting Services
541618	Other Management Consulting Services
541690	Other Scientific and Technical Consulting Services
541990	All Other Professional, Scientific, and Technical Services
551114	Corporate, Subsidiary, and Regional Managing Offices
561421	Telephone Answering Services
561422	Telemarketing Bureaus and Other Contact Centers

**CONTRACTS & CERTIFICATIONS**

	Maryland CATS II Master Contractor
	Certified MBE (minority business enterprise) by NMSDC (National Minority Supplier Development Council)

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**Quality Engineer/Tester**

Responsible for managing a quality assurance effort. Experience with functional and performance testing, and test automation required. The ability to do AND teach quality assurance processes, and practices. Must have experience with market leading testing tools such as IBM Rational, Quality Center, Silk, etc.

**IV&V Analyst**

Conducts complete life cycle Independent Verification and Validation (IV&V) of complex systems. Creates test plans, test specifications and test procedures, as well as test reports. Conducts thorough software testing at various levels to ensure that the system fulfills its requirements and is in accordance with its design intent and applicable standards and conventions. Can also develop IV&V processes and procedures.

**Configuration Management Specialist**

Responsible for establishing and maintaining the processes and tools needed to support software change and development. Experience with Configuration Management tools such as Rational ClearCase (Base, UCM), ClearQuest (including process development and customization). Experience establishing integrations with other tools is a plus. Experience with Rational BuildForge a plus.

**Technical Analyst**

Under general direction, performs analysis on complex technical or system problems involving all phases of systems implementation. Provides technical support and solutions to users.

**Tester**

Experience planning, developing, maintaining, and executing test scripts using automated and manual test tools and techniques.

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