

# SMALL BUSINESS SHOWCASE

## BITHOP SYSTEMS

### Who We Are

- Bithop Systems, Inc. (<http://www.bithop.com>)
- SBA 8(a) certified small minority-owned business
- Operating since 2007, Profitable, Financially stable
- Based in Springfield, VA
- Information Technology Management Support
- IRS IA&E Infrastructure Support Services - \$220K
- DoD MHS TRICARE CMID-2 Architecture - \$96K
- Customer Focused, Quality, Integrity

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### What We Do

#### Services

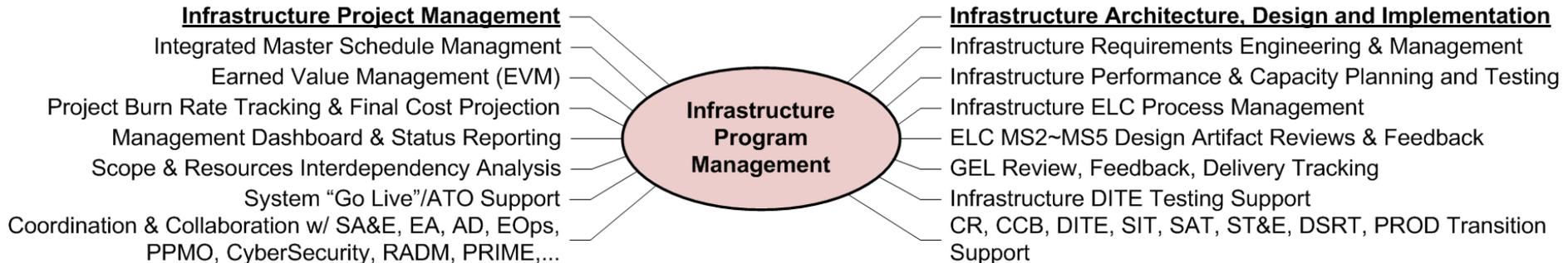
- Information Technology Program & Project Management
  - Large, Complex, Mission-Critical IT Projects e.g. MeF, RPR, ICAS,...
  - Integrated Master Schedule, Earned Value Management
- Systems Engineering / ELC / Infrastructure Engineering
- Enterprise Architecture / IT Strategy
- Business Process Management / Workflow Automation
- Enterprise Content Management / ETL

**We provide these services *and* do them well!**

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### What We Do



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## BITHOP SYSTEMS

### What We Do

#### Products

- HandySoft BizFlow BPM Platform
  - Partner and Authorized Reseller
  - Workflow Automation Solutions Provider
- EMC<sup>2</sup> Documentum / Kofax / Captiva
  - Large Document/Content Repository
  - Integrated Scanning Solution

#### Technologies

Microsoft .NET, Oracle/Sun JEE, IBM WebSphere, Apache Open Source Projects, Linux, Solaris, SOA/web services, RDBMS

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### Past Performance

#### **Internal Revenue Service – MITS:ES:IA&E (2007~Present)**

- Infrastructure Support Services [RUP/EUP portals, MeF, RPR, ICAS, etc.]

#### **Department of Defense – TRICARE Management Activity**

- Designed Contract Management Information Database II (CMID2), integrating legacy CMID and VCC applications using COTS BPM tool

#### **Department of Justice – HSPD-12 Program**

- Worked on System Architecture for in-house HSPD-12 – cost-prohibitive
- Successfully planned and deployed GSA HSPD-12 GOTS at DoJ in 2007

#### **Department of Defense/DISA/DITCO – EBM**

- Co-developed System Architecture for a \$25M Enterprise Business Modernization (EBM) program by re-engineering and automating procurement business processes result in improving performance and quality and cost savings

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### Contract @ IRS MITS:ES:IA&E

- IRS Infrastructure Support Services (ISS) – MITS:ES:IA&E
  - Assisting IA&E senior management since 2007 in managing infrastructure projects such as MeF, RPR, ICAS, FSA-D, BOE, ICPI-4/3 and others
  - Provide IT Program & Project Management Support
    - Developed Integrated Master Schedule for large programs
    - Status reports, presentations, project dashboard
    - System Architecture development, requirements engineering
  - Temporarily performing most of Mr. Dave Lawson's (Sr. Manager-IA&E who retired last year) responsibilities in supporting infrastructure activities until a permanent replacement is found

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### Projects @ IRS MITS:ES:IA&E

#### Modernized eFile (MeF 5.5, 6.1, 6.2, 7)

- Infrastructure Architecture & Engineering Support Services
  - Provide portal infrastructure design support, EA and Security compliance
  - Review ELC deliverables (CONOPS, BSAR, BSRR, DSRs, ICDs, GELs)
  - Manage and/or support infrastructure requirements engineering activities
- Infrastructure Projects Coordination
  - Helped developed and managing an Integrated Master Schedule for the program with MeF PO scheduling group
  - Infra activities status reporting, CCB participation and coordination
  - Currently managing P2BComm prototype project to improve A2A communication for MeF between portal and the backend to support 2012 tax filing volume

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### Projects @ IRS

#### Return Preparer Registration (RPR)

- Conducted system and infrastructure design reviews w/ SA&E and AD
- Participated in application design reviews for IA&E
- Infrastructure components deployment support e.g. XGWs, SWAS JVMs
- Coordinated with SMEs and proposed solutions to rectify current MeF-RPR dependency issue

#### ICAS/ITAMS

- Developed and maintained an Integrated Master Plan covering five project workstreams managed by different PM and organizations
- Coordinated all infrastructure engineering activities thru PROD deployment with AD, TAD, IT&D, PRIME, CyberSecurity, etc.
- Developed a dashboard for IA&E management for weekly reporting

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### Services @ IRS

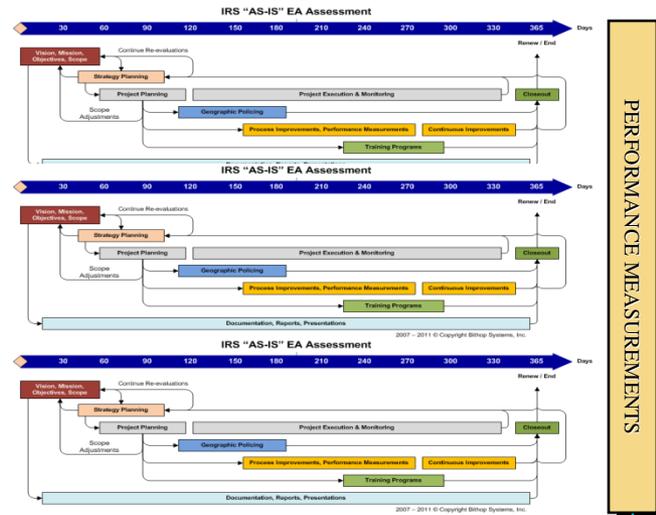
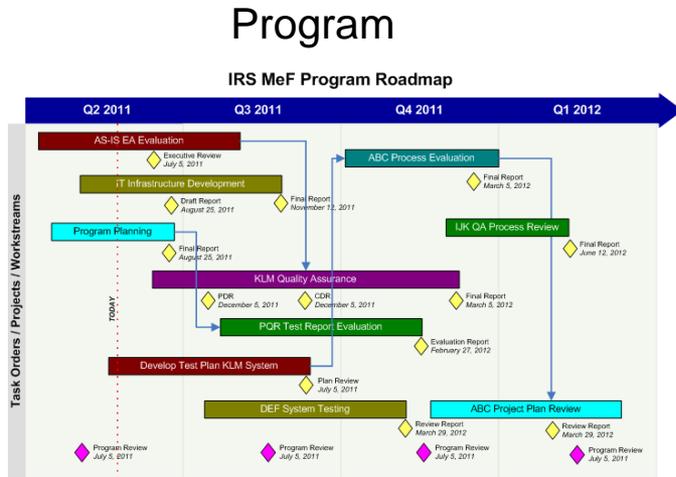
#### IT Program & Project Management Services

- Using and promoting PMBOK-recommended PM best practices
- Developed or helped in developing Integrated Master Schedules to identify critical dependencies affecting the entire program e.g. MeF, ICAS, BOE
- Develop/Manage/Support Scope, WBS, Schedule, Risk, Quality, Communication, Milestones and Deliverable planning/execution/monitoring
- Regularly communicate with the stakeholders
- Maintain project dashboards for executive briefings and status reporting
- Use Earned Value Management (EVM) techniques whenever possible simply using MS Project and MS Excel!!

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## Services @ IRS

### IT Program & Project Management Services



Conversion

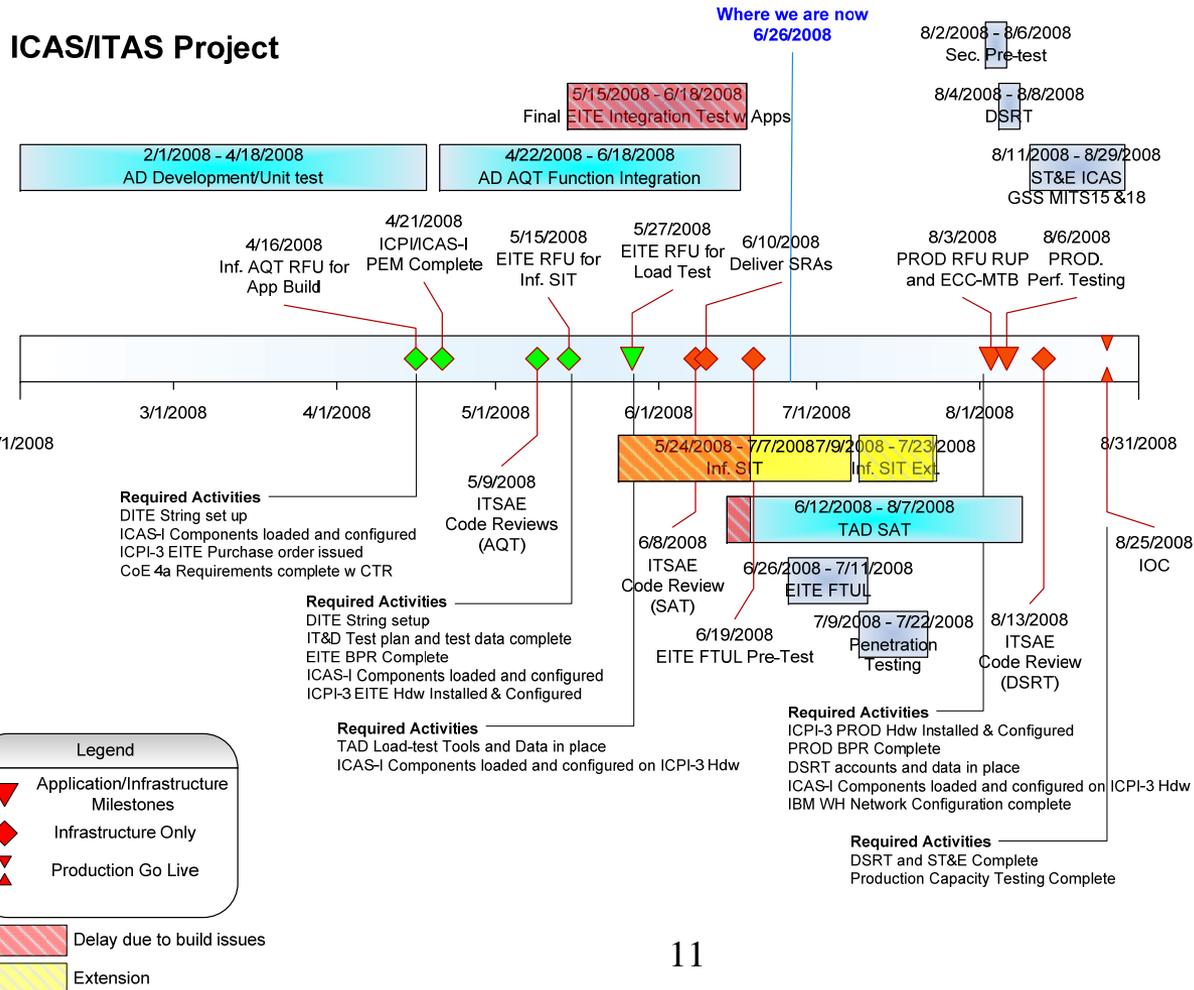
Set of Projects

PERFORMANCE MEASUREMENTS

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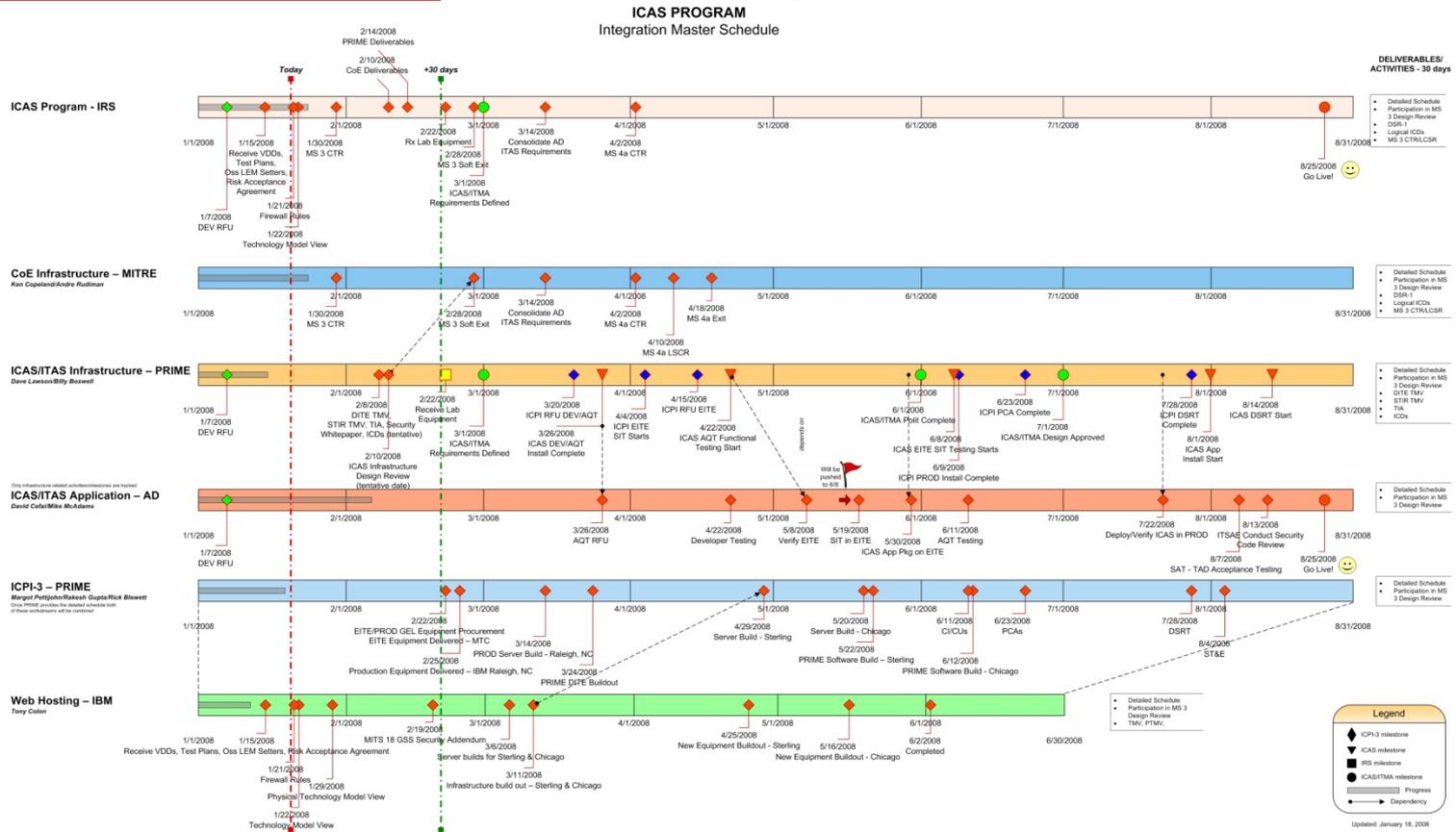
### Services @ IRS - ICAS Project Dashboard



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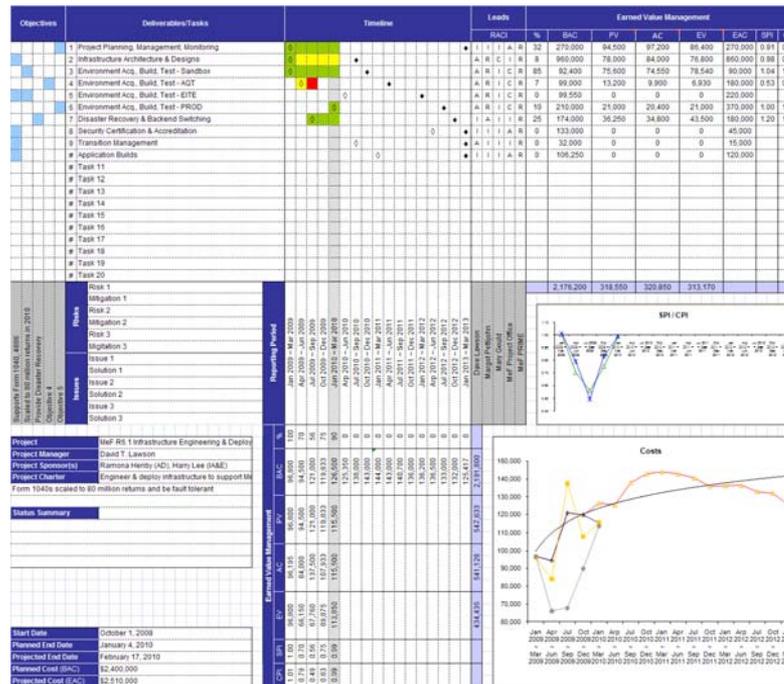
### Services @ IRS - ICAS Project Dashboard (detailed)



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### Services @ IRS - EVM Project Dashboard



Picture shows a one page project dashboard for management used in conjunction with MS Project

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### Services @ IRS - ICAS Integration Master Plan

ID	WBS	Task Name	% Comple	Work	Duration	Start	Finish	P	Resp Org	Resource Names
1	1	<b>ICAS Program</b>	50%	82,757.88 hrs	866 days	Mon 2/27/06	Mon 6/22/09			
2	1.1	<i>ICAS/ITAS Infrastructure - Bill Boswell</i>	24%	8,308.03 hrs	188 days	Wed 1/9/08	Fri 9/26/08		IA&E, PRIME	Prime
557	1.2	<i>ICPI-3 - Mike Kealty</i>	33%	21,304.8 hrs	649 days	Mon 2/27/06	Thu 8/21/08		IBM, PRIME	IBM,Prime
1261	1.3	<i>CoE IA&amp;E ICAS - Andrew Rudiman</i>	53%	5,080.02 hrs	535 days	Mon 2/27/06	Fri 3/14/08		MITRE	MITRE
1377	1.4	<i>ICAS Project - Release 1 - Mabel Kan</i>	89%	31,155.73 hrs	866 days	Mon 2/27/06	Mon 6/22/09		AD	
2034	1.5	<i>ITAS Project - Release 1 - Mabel Kan</i>	67%	11,773.03 hrs	277 days	Thu 8/9/07	Fri 8/29/08		AD	
2329	1.6	<i>Certification and Accreditation - Delwin Piepenberg</i>	0%	0 hrs	0 days	Mon 3/10/08	Mon 3/10/08		Cybersecurity	Cybersecu
2334	1.7	<i>SAT - Mark Georgeson</i>	73%	2,461.2 hrs	246.75 days	Wed 10/31/07	Thu 10/9/08		TAD	
2386	1.8	<i>Penetration Testing - Richard Wall</i>	19%	2,347.07 hrs	56 days	Wed 5/21/08	Wed 8/6/08		ITSA&E	
2427	1.9	<i>Functional Testing Under Load (FTUL) - Michael Raymond</i>	61%	0 hrs	55 days	Mon 4/28/08	Fri 7/11/08			
2480	1.10	<i>Capacity &amp; Performance Testing - Sam Murphy</i>	42%	328 hrs	5 days	Mon 6/9/08	Fri 6/13/08			

Picture shows an integrated master schedule/WBS for ICAS project, a total of 10 separate subprojects or workstreams were managed led by the PMs

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### Services @ IRS

#### Systems Engineering

- IRS ELC – System Architecture & Development Life Cycle
- Requirements Engineering
- Infrastructure Architecture & Design
- ELC Artifact Reviews, Feedback
- Government Equipment List (GEL) Reviews
- EA & CyberSecurity Compliance Coordination/Reviews
- UWR review and impact assessment
- DITE Promotion
- Tests Reviews, Analysis, Feedback
- CCB Participation

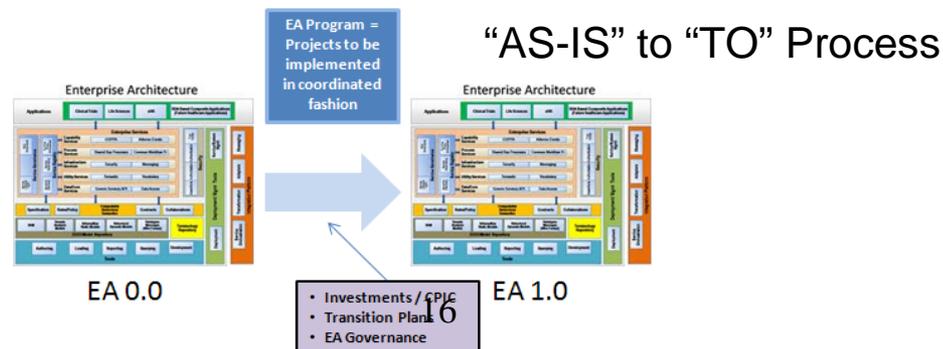
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### Services @ DoD

#### Enterprise Architecture

- “AS-IS” and “TO-BE” analysis and development
- Gap Analysis (gap between the current state and desired target state)
- IT roadmap development aligned with mission, vision, goals, objectives
- Convert the roadmap into an IT Program, establish governance e.g. PMO
- Project prioritization and planning with management and other stakeholders
- EA artifact development; compliance with FEAF or DoDAF and OMB mandates; leverage Zachman, TOGAF and other analysis techniques
- Use tools such as IBM System Architect, Sparx Enterprise Architect, MS Visio



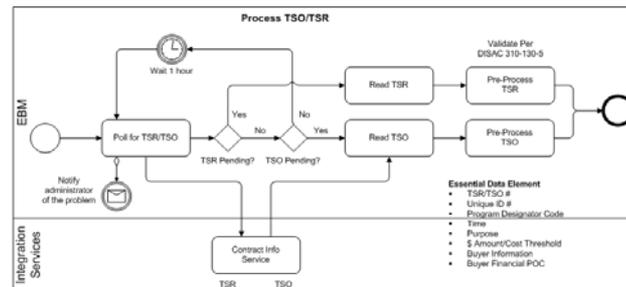
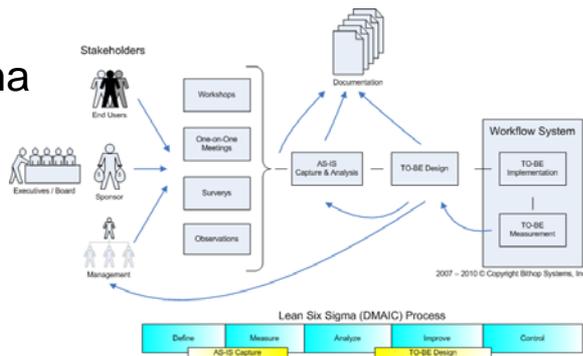
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## Services @ DoD

### Business Process Management (BPM)

- Lean Six Sigma – DMAIC business process management methodology
- “AS-IS” capture and “TO-BE” business process analysis and optimization
- Workflow automation using COTS products
  - HandySoft BizFlow BPM Platform – BSI is an authorized reseller and solutions provider for the tool, implementation experience at US Patent & Trademark Office, Johnson & Johnson, Consecro and others
  - Appian Enterprise BPM Suite – implementation experience at DoD/DISA/DITCO, DoD/MHS/TRICARE Management Activity and DoD/DAU

Lean Six Sigma  
DMAIC



A process  
fragment shown  
in BPMN

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## BITHOP SYSTEMS

<i>Information</i>	<i>Description</i>
Name	Bithop Systems, Incorporated
Address	7222 Hansford Court, Springfield, VA 22151
Point of Contact	Sohail Shaikh, President
Phone	(571) 216-2741
Status	SBA 8(a), SDB, MBE, Virginia SWaM, operating since 2007
ETIN	54-1963886
DUNS	185302036
CAGE	36PS0
NAICS	<u>541512</u> , 541511, 541519, 541611, 541618, 541990, 541513, 541614, 541690
Core Capabilities	IT Program & Project Management, Enterprise Architecture, System Architecture Design and Implementation, Enterprise Content Management, Business Process Management
Past Performances	Dept. of Treasury/IRS, Dept. of Justice, Dept. of Defense, EPA, USPTO, Consec, Johnson & Johnson, Lexis-Nexis, and others...
Website	<a href="http://www.bithop.com">http://www.bithop.com</a>

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## BITHOP SYSTEMS

### Staffing

We use various channels to advertise positions to hire skilled staff such as:

- Craigslist DC
- The Washington Post
- DELTEK GovWin
- LinkedIn Professional Network
- BSI website (<http://www.bithop.com>)
- BSI on Facebook
- Personal network of business associates, colleagues, friends,...