# VOLUME I – TECHNICAL PROPOSAL

Section I – Title Page

***Technical Proposal in response to:***

RFP 3490
Oracle Identity and Access Management

State of Nevada, Purchasing Division
Nevada Department of Employment, Training and Rehabilitation

November 1, 2017
2:00 PM

***Submitted to***:
Gideon Davis
Purchasing Officer
State of Nevada, Purchasing Division, 515 E. Musser Street, Suite 300
Carson City, NV 89701

***Submitted by:***

Mythics, Inc.
1439 N. Great Neck Road, Virginia Beach, VA 23454
CAGE: 1TA34 | DUNS: 013358002

Deonte Watters
Contracts Manager
Voice: (757) 412-4362
Fax: (757) 412-1060
consultingcontracts@mythics.com

*This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed—in whole or in part—for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of or in connection with the submission of this proposal, the Government shall have the right to duplicate, use, or disclose the proposal data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this proposal if it is obtained from another source without restriction. The data subject to this restriction are contained in no pages of this proposal.*

*Mythics has made every reasonable attempt to ensure that the information contained within this proposal is accurate, current, and properly sets forth the requirements as have been determined at the time of submission. The parties acknowledge and agree that the other party assumes no responsibility for errors that may be contained in or for misinterpretations that readers may infer from this document.*

November 1, 2017

State of Nevada, Purchasing Division
Nevada Department of Employment, Training and Rehabilitation
ATTN: Gideon Davis
State of Nevada, Purchasing Division, 515 E. Musser Street, Suite 300
Carson City, NV 89701

***Technical Proposal in Response to RFP 3490: Oracle Identity and Access Management***

Dear Mr. Davis:

Mythics, Inc., an award-winning Oracle implementation and customization firm, is pleased to provide to the Nevada Department of Employment, Training and Rehabilitation (DETR) our fully compliant proposal for the Oracle Identity and Access Management initiative. This response is comprised of a two (2) volumes: Volume I – Part IA Technical Proposal and Volume II – Part II Cost Proposal.

Mythics has over 16 years of experience providing seamless support that improves enterprise data gathering, reporting, and management. Mythics brings over 6 years of service supporting NV DETR and provides an intimate knowledge of the department's internal infrastructure and Oracle capabilities. Mythics understands that DETR's objective is to migrate and upgrade DETR's existing Oracle Identity and Access Management (IAM) 11g R1 (Release 11.1.1.5) environments to the latest Oracle IAM release with the end goal of creating three (3) IAM environments. We possess the experience and depth of skill sets necessary to assist you in meeting these objectives.

Mythics appreciates the opportunity to be considered for this effort and, if selected, will provide Nevada Department of Employment, Training and Rehabilitation with a team of professionals committed to your success.

Sincerely,

Deonte Watters
Contracts Manager

Section II – Table of Contents

# Table of Contents

Section I – Title Page ..... 2
Section II – Table of Contents ..... i
Executive Summary ..... 1
Technical Proposal ..... 3
1. Section III – Vendor Information Sheet ..... 3
2. Section IV – State Documents ..... 5
2.1 Amendment Signature Page(s) ..... 5
2.2 Attachment A - Confidentiality and Certification of Indemnification ..... 15
2.3 Attachment B – Vendor Certifications ..... 17
2.4 Attachment J ..... 19
2.5 Vendor Licensing Agreement(s) ..... 21
2.6 Applicable Certifications ..... 21
3. Section V – System Requirements ..... 23
3.1 Computing Platform ..... 23
3.1.1 Application environment: Java8, Spring, Hibernate and Weblogic Server 12c ..... 23
3.1.2 Operating system environment: Linux ..... 23
3.1.3 Database environment: Oracle Exadata ..... 23
3.1.4 IAM environment: Oracle IAM Suite ..... 24
3.2 Technical Requirements ..... 24
3.3 Functional Requirements ..... 24
3.4 Security Standards ..... 24
4. Section VI – Scope of Work ..... 27
4.1 Planning and Administration ..... 28
4.1.1 Activities ..... 28
4.1.2 Deliverables ..... 39
4.2 IAM Environments ..... 39
4.2.1 Activities ..... 40
4.2.2 Deliverables ..... 45
5. Section VII– Company Background and References ..... 45
5.1 Vendor Profile ..... 46
5.2 Vendor Insurance Requirements ..... 48
5.3 Vendor Qualifications ..... 48
5.4 Vendor Business References ..... 50

5.5 Vendor Staff Skills and Experience ..... 50
5.6 Subcontractor Information ..... 51
6. Section VIII – Proposed Staff Resumes ..... 51
7. Section IX – Preliminary Project Plan ..... 72
7.1 Project Management ..... 77
7.2 Quality Assurance ..... 80
7.3 Configuration Management ..... 81
7.4 Project Software Tools ..... 81
8. Section X – Other Informational Material ..... 82
8.1 Exceptions to Attachment D – Insurance Schedule ..... 82

## Figures and Tables

Figure 1. Mythics' Verification of Certification as an Oracle Platinum Partner ..... 22
Figure 2. High-Level Gantt Chart ..... 73

Table 1. Communications Matrix ..... 31
Table 2. Sample Risk Register ..... 32
Table 3. CCB Members ..... 35
Table 4. Key Elements of Logical and Physical Design ..... 41
Table 5. IAM Environments Deliverables ..... 45
Table 6. Vendor Profile ..... 46
Table 7. High-Level Project Schedule (Table View) ..... 76
Table 8. Sample Quality Assurance Matrix ..... 81

## Executive Summary

Mythics Consulting is an award-winning systems integrator that delivers end-to-end information technology (IT) solutions with unique expertise in cloud and cloud migration services, Oracle Business Intelligence, Oracle Engineered Systems, Oracle Fusion middleware, and Oracle applications and Identity Management and Security.

Mythics Consulting helps government agencies and private sector enterprises solve large and complex business and IT challenges and maximizes the return on their Oracle technology investment.

Mythics Consulting received its ISO 9001:2015 Quality Management Systems (QMS) Certification in 2017 and is an Oracle Specialized Platinum Consulting Partner. Mythics Consulting blends the right level of people, processes, and technologies to solve the complex mission critical business challenges of our clients.

We pursue long-term and successful relationships with our clients and provide a complete offering of value-add services which cover the entire Oracle technology stack. The services provided by Mythics Consulting range from business planning, solution architecture, implementation and integration services, to managed services and even mission critical emergency response.

Mythics Consulting has supported numerous public-sector clients with their middleware and security needs ranging from enabling Oracle Single Sign On with legacy applications using desktop ESSO to deploying Enterprise IAM environments across multiple departments. Mythics has supported a diverse clientele that includes Fire Department of New York, United States Secret Service, Customs and Border Protection and Food and Drug Administration.

Mythics takes pride in providing support to our customers not only in the form of technical solutions but gaining a deep understanding of business drivers and long-term goals to provide overall enterprise solutions that enable organizations to focus on the future. Ensuring this success provides Mythics the ability to establish these long-term relationships that allows organizations to grow and our teams to continue collaboration to sustain that growth. Utilizing Oracle solutions, Mythics stands out from the competition in several ways:

- Industry's leading software solution – Oracle IAM products. As per Gartner, Oracle has the most comprehensive, best of breed solution with all major feature functionality.
- Software solution built on Complete, Open, Flexible and integrated identity platform.
- Proven Public-Sector Industry leading software solution with more than 11,000+ Oracle IAM customers globally.
- Lowest Risk with Oracle – Oracle is an industry leading solution with multiple application integrations provided out of box, and hence integration with Oracle IAM would be an out of box low risk approach.
- Pre-built migration utilities that help in easy solution migration across environments
  - Fine-tuned for migrating OOTB attributes, workflows, customizations

Mythics is pleased to submit our response to the NV DETR Oracle Identity and Access Management (IAM) Proposal. This response outlines a comprehensive, high value IAM solution which combines the best-of-breed technologies to provide a world class IAM solution to meet the

needs for a large and complex enterprise information technology (IT) environment. Utilizing our experience with aforementioned public-sector customers, we are confident that our services will provide a seamless upgrade for NV DETR.

# Technical Proposal

*For ease of evaluation, the technical and cost proposals shall be presented in a format that corresponds to and references sections outlined within this RFP and shall be presented in the same order. Written responses shall be in **bold/italics** and placed immediately following the applicable RFP question, statement and/or section.*

*The Technical Proposal **shall not include** cost and/or pricing information. Cost and/or pricing information contained in the technical proposal may cause the proposal to be rejected. Vendors shall provide one (1) PDF Technical Proposal file that includes the following:*

## 1. Section III – Vendor Information Sheet

*The vendor information sheet shall be completed and signed by an individual authorized to bind the organization.*

***The following page contains Mythics' completed and signed Vendor Information sheet.***

**VENDOR INFORMATION SHEET FOR RFP 3490**

**Vendor Shall:**

A) Provide all requested information in the space provided next to each numbered question. The information provided in Sections V1 through V6 shall be used for development of the contract;

B) Type or print responses; and

C) Include this Vendor Information Sheet in Section III of the Technical Proposal.

| | | |
|---|---|---|
| V1 | Company Name | Mythics, Inc. |

| | | |
|---|---|---|
| V2 | Street Address | 1439 N. Great Neck Rd. |

| | | |
|---|---|---|
| V3 | City, State, ZIP | Virginia Beach, VA 23454 |

| | | | |
|---|---|---|---|
| V4 | Telephone Number | | |
| | Area Code: 757 | Number: 412-4362 | Extension: |

| | | | |
|---|---|---|---|
| V5 | Facsimile Number | | |
| | Area Code: 757 | Number: 412-1060 | Extension: |

| | | | |
|---|---|---|---|
| V6 | Toll Free Number | | |
| | Area Code: | Number: | Extension: |

| | |
|---|---|
| V7 | ***Contact Person for Questions / Contract Negotiations, including address if different than above*** |
| | Name: Priscilla Weidner |
| | Title: Sr. Contracts Specialist |
| | Address: 1439 N. Great Neck Rd. Virginia Beach, VA 23454 |
| | Email Address: Consultingcontracts@mythics.com |

| | | | |
|---|---|---|---|
| V8 | Telephone Number for Contact Person | | |
| | Area Code: 757 | Number: 412-4362 | Extension: |

| | | | |
|---|---|---|---|
| V9 | Facsimile Number for Contact Person | | |
| | Area Code: 757 | Number: 412-1060 | Extension: |

| | | |
|---|---|---|
| V10 | ***Name of Individual Authorized to Bind the Organization*** | |
| | Name: Deonte Watters | Title: Contracts Manager |
| V11 | Signature ***(Individual shall be legally authorized to bind the vendor per NRS 333.337)*** | |
| | Signature: Deonte J. Watters | Date: 10-23-17 |

# 2. Section IV – State Documents

*The State documents section shall include the following:*

## 2.1 Amendment Signature Page(s)

*The signature page from all amendments signed by an individual authorized to bind the organization.*

***The following nine (9) pages contain Mythics' completed and signed Amendment 1 document.***

State of Nevada
Department Administration
Purchasing Division
515 E. Musser Street, Suite 300
Carson City, NV 89701

Brian Sandoval
Governor

Jeffrey Haag
Administrator

| | |
|---|---|
| SUBJECT: | Amendment 1 to Request for Proposal 3490 |
| RFP TITLE: | Oracle Identity and Access Management Upgrade |
| DATE OF AMENDMENT: | 10/12/2017 |
| DATE OF RFP RELEASE: | 09/22/2017 |
| OPENING DATE: | 11/01/2017 |
| OPENING TIME: | 2:00 PM |
| CONTACT: | Gideon Davis, Purchasing Officer |

---

The following shall be a part of RFP 3490**.** If a vendor has already returned a proposal and any of the information provided below changes that proposal, please submit the changes along with this amendment. You need not re-submit an entire proposal prior to the opening date and time.

---

1. Page 1 of the RFP and Section 9, RFP Timeline listed different submission deadlines, which is correct?

   ***The RFP Timeline dates are correct. The opening date is November 1, 2017 at 2:00 PM***

2. Project Location:

   a. Can work be performed remote or do the resources need to be onsite?

      ***Not all Vendor staff are required to be on-site. Vendor staff involved in key task such as installation, configuration, testing, and requirements gathering need to be done onsite but we are willing to discuss having some elements tasks done off-site.***

   b. Is there a go-live date or other milestone dates being targeting? Please describe.

      ***There is not a targeted go live date or milestone. The go-live date will be determined by a mutually agreed upon schedule. The project must be completed no later than 6/30/2018.***

3. General Scope

   a. What was the compelling event for acquiring Identity Manager?

      ***To streamline the provisioning and de-provisioning of user accounts.***

   b. Please describe your high level goals, objectives, and requirements for this project.

***This information is already provided in the RFP."***

c. Is this a new deployment or upgrade? If upgrade, what are the current versions and IDM/IDG components deployed?

***This is an upgrade. Current deployed version Oracle Identity and Access Management v11.1.1.5***

d. Have you already purchased the Oracle IDM Software? If yes, what are the specific products that were purchased? Please provide the software BOM.

***This information is already provided in the RFP***

e. How many IDM deployments are planned (Dev, Test, Prod, etc.)?

***This information is already provided in the RFP***

f. What applications will be integrated with the Oracle IDM solution (i.e. EBS, OBIEE, others)? Please provide an inventory of all applications and versions that will be integrated. Include all on-premise applications as well as all cloud based applications to be integrated.

***There are approximately ten custom developed Java applications integrated into the Oracle Identity and Access Management system. Currently there are not cloud based application but there are plans for future apps.***

g. How many servers are in scope?

***This will be determined as an output of the requirements and analysis phase.***

h. How many instances of each application will be integrated (i.e. Dev, TEST, QA, PROD)?

***Typically most applications have four instances.***

i. Who are the users (people and systems) that need access to resources?

***Internal staff and external customers.***

j. How many employees/end-users will be managed by the IDM solution?

***The number of external users can vary based on the economy, but we currently have less than 500,000 external users. There are currently less than one thousand employees.***

k. Are there any international users and/or any localization/language requirements?

***Yes, there will be international users, but no language requirements.***

l. Of the applications that need to be published external to the corporate network, how many are exposed in a DMZ and how many are only available behind the firewall? Please provide details.

***Two of our applications are exposed in the DMZ; the remainder are behind the firewall.***

m. Does G&W Labs currently have a VDI (Virtual Desktop) solution in place? If so, which solution?

***This question is not relevant.***

4. Governance & Security Audit Requirements

a. How do you define access policies in the context of the organization?

***Access policies control which users and groups can access specific resources and what functions they can perform with those resources.***

b. Is there an identity management and audit policy in place today?

***Yes.***

c. Is there a standard set of roles and associated access rights already defined an in place today?

***Yes.***

d. Is there a central location where all existing users and their system access rights are documented?

***No.***

e. Is there a global representation of a user across all systems/applications today or do user accounts across applications need to be reconciled as part of this project?

***Please provide more detail on how this applies to the project. What is the context of this question in regards to upgrading the existing system?***

f. Is there a standardized onboarding/offboarding request form in place today?

***Yes***

g. How many approvers are in the organization?

***This question is not applicable to the project."***

h. Who will be responsible for Identity Administration (e.g. HR, Help Desk, Self-Service)?

***Security Team***

i. What user privileges violate specialized regulatory requirements (e.g. Separation of Duties)?

***Please provide more detail on how this applies to the project.***

5. Infrastructure

a. Is new infrastructure planned for this project or will the solution be deployed on existing hardware?

***New infrastructure.***

b. If new infrastructure has the new environment been designed and built?

***Vendor needs to work with us to develop requirements and design of the new infrastructure.***

c. What is the system platform (ie. Linux, Windows, Unix, etc.)?

***Linux***

d. Where is the infrastructure hosted? In-house or 3rd Party hosting?

***In-house***

e. Is architecting and/or deploying the new infrastructure solution in scope of this project?

***The vendor needs to work with us to architect the new infrastructure. Agency staff will build and deploy the infrastructure.***

6. Identity Tier

a. "Does OID need to be in HA/cluster configuration?

***Yes***

i. If yes, please provide the number of nodes expected in cluster."

***2***

ii. If HA is required, please provide the non-prod environments that will need HA setup - DEV, TEST, QA

***This information is already provided in the RFP.***

b. Is there any requirements for DR setup of OID?

***The current OID database is replicated to a standby site using the Oracle DataGuard. The expectation is that this configuration will be maintained.***

c. "What will be the main source for Identities and passwords (ie. Active Directory, Oracle Internet Directory, SiteMinder, etc.)?"

***The current identity stores or Active Directory and Oracle Internet Directory.***

d. "Is there any integration requirement between OID and AD/sitemeinder?

***No***

i. If yes, please provide the details e.g. uid, group or password sync-up. Bi-directional, or unidirectional from AD to OID only."

***N/A***

e. Is there any requirement to provide sync-up process between different OID environments (dev, test, qa)?

***No***

7. Middle Tier

a. Do any of the non-prod environments (dev,test,QA) need HA setup?

***This information is already provided in the RFP.***

b. Is there any requirement for DR setup for Middle-tier (OAM multi-data center setup)

***No***

c. Is there any requirement for user self-service for example password changes, that may require OIM implementation?

***An objective of this project is to have self-service capabilities using OIM.***

d. Is there any requirement for Password enforcement policies at OAM level or will this be handled by AD?

***Yes, password policies are enforced for external users using OAM/OAAM.***

e. Is there any external/DMZ server setup for EBS or other "external facing" applications using OAM for authentication?

***Yes, other external facing applications.***

f. Is there any user population using Mobile devices for authentication?

***Yes, mobile devices accessing browser based applications.***

g. Is there any requirement for multi-factor authentication using OAM?

***Yes.***

h. What will be the desired version for OAM/Webgate - Latest versions?

***Latest Oracle certified released.***

8. Web Tier

a. Is there any requirement for HA for webtier components?

***Yes***

b. Any requirements for multi-language support?

***No***

9. OIM

   a. How many connectors and Adapter are involved in the current OIM implementation?

      ***<u>OIM connections</u>***
      ***Active Directory***
      ***Oracle Internet Directory***

      ***<u>OAM Adapter</u>***
      ***System Store - UserIdentityStore1***
      ***Active Directory - Internal Users***
      ***OID Directory - Claimant external users***
      ***OID Directory - Employer external users***

   b. Are there customizations/custom code in the OIM implementation and what are the specific components of OIM that have been customized?

      ***The expectation is that the vendor will work with state project staff to identify what customizations are implemented.***

   c. What is the level of UI modifications that has been performed in OIM ?

      ***The expectation is that the vendor will work with state project staff to identify what modifications are implemented.***

   d. Are there any approval based workflows and if so please provide more details on them ?

      ***There are no approval based workflows.***

   e. Does SOA needs to be included in the upgrade ?

      ***The SOA components that are part of the Oracle Identity and Access Management Suite need to be upgraded.***

   f. Please share information on the users, roles, entitlements currently present in OIM.

      ***This information will be gathered and provided during the requirements and analysis phase of the project.***

10. OAM

   a. How many Webgates are present in the current OAM implementation?

      ***4 in production, 2 in non-production.***

   b. What are the version of the Webgates (10g/11g) ? Will there be a need to upgrade from 10g to 11g Webgates in defined use cases/scenarios?

      ***10g. They will be need to be upgraded.***

   c. How many applications are involved and please list down the criticality of the applications?

***See question #3.F.***

d. Are there any customizations involved in the OAM implementation that we should be aware of?

***See question #9.b.***

e. How many identity stores are we dealing with in the current implementation of OAM or everything is virtualized through OVD into a single identity repository?

***There are currently two data stores, Active Directory and Oracle Internet Directory.***

11. OAAM

a. Is OAAM currently configured for both Strong Authentication and Risk Management or only one of them?

***Strong Authentication but not Risk Management.***

b. Please provide details on the Policy and Credential stores involved in the current implementation of OAAM

***OAAM is integrated with OAM for authentication and authorization. The identity store for OAAM is Oracle Internet Directory. There are a variety of policies defined in OAAM which will need to be reviewed with state project staff during requirements gathering and analysis.***

12. OVD/OID

a. User population and their strength.

***We have two user stores, OID for customers and Active Directory for staff. We currently do not use OVD for federation.***

b. How many adapters are present in the OVD implementation and are there any customizations ?

***We are currently using one OVD adapter and there are customizations.***

c. Generic:

***We do not understand this question.***

d. Is HA available in the current infrastructure. Please provide details on the current HA infrastructure for each product involved in this upgrade

***The identity management products are configured for high availability using weblogic server clusters, OS virtual server clusters, and Oracle RAC database clusters.***

e. Are there Non Functional Requirements (NFR) involved in this upgraded that needs to be taken care?

***There are non-functional requirements which will be defined during the requirements gathering phase.***

f. Please provide more details on High Availability and the Data Centers. Is the solution expected to work across multiple data centers, if so please provide the basic details of the DRs

***Refer to question 12.d. It is not expected to work across multiple data centers.***

g. What is the estimated breakdown and the type of users applicable to this project and what is the strength of the different user populations?

***Please refer to Question 12.A. User types are external customers (Claimants, Employers, and their representatives) and internal users (agency staff).***

h. Any there any cloud-based applications that the proposed solution should integrate with? Any cloud presence in the current architecture

***Currently no, in the future, yes.***

i. Vendor Demonstration - does the shortlisted vendor need to work on a quick POC apart from the presentation of the solution?

***No***

13. Is the plan to upgrade to 12.2.1.3 or 11gR2PS3 (Latest in 11g)? Oracle recently released OIM/OAM 12c (12.2.1.3) but not all installed products are available in 12C version.

***We want to upgrade to the latest certified release of each product component if possible.***

14. Is OID integrated with AD or is it standalone?

***OID and AD are not integrated in a federated manner. However, OVD is configured to search both OVD and AD.***

15. How many different applications are provisioned/integrated by current OIM setup (Internal and External including SaaS and Cloud) including integration technology (WebServices, Connectors)?

***OIM is configured to provision external customers (Claimants, Employers, and their representatives). It currently integrates with one application via web service calls. However, the agency plans to use OIM to provision internal users at some time in the future.***

16. How many concurrent users of OIM/OAM application are expected?

***The average number of external concurrent users is approximately 1500 users. The average number of external concurrent users can increase exponentially if unemployment rises. The average number of internal concurrent users is 250. The average number of internal concurrent user can also rise if unemployment rises.***

17. Is SSO (Single Sign On) setup for all internal and External applications?

***Yes.***

18. Is requirement of being an Oracle Platinum partner a must? Can Oracle Gold partners submit an RFP response?

***Desired but not required.***

## ***ALL ELSE REMAINS THE SAME FOR RFP 3490.***

***Vendor must sign and return this amendment with proposal submitted.***

Vendor Name: Mythics, Inc.

Authorized Signature: Deonte Watters

Deonte Watters

Title: Contracts Manager Date: 16 October 2017

This document must be submitted in the "State Documents" section of vendors' technical proposal.

## 2.2 Attachment A - Confidentiality and Certification of Indemnification

*Attachment A – Confidentiality and Certification of Indemnification signed by an individual authorized to bind the organization.*

***The following page contains Mythics' completed and signed Attachment A – Confidentiality and Certification of Indemnification.***

## ATTACHMENT A – CONFIDENTIALITY AND CERTIFICATION OF INDEMNIFICATION

Submitted proposals, which are marked "confidential" in their entirety, or those in which a significant portion of the submitted proposal is marked "confidential" **shall not** be accepted by the State of Nevada. Pursuant to NRS 333.333, only specific parts of the proposal may be labeled a "trade secret" as defined in NRS 600A.030(5). All proposals are confidential until the contract is awarded; at which time, both successful and unsuccessful vendors' technical and cost proposals become public information.

In accordance with the submittal instructions of this RFP, vendors are requested to submit confidential information in separate files marked "**Part IB Confidential Technical**" and "**Part III Confidential Financial**".

The State shall not be responsible for any information contained within the proposal. If vendors do not comply with the labeling and packing requirements, proposals shall be released as submitted. In the event a governing board acts as the final authority, there may be public discussion regarding the submitted proposals that shall be in an open meeting format, the proposals shall remain confidential.

By signing below, I understand it is my responsibility as the vendor to act in protection of the labeled information and agree to defend and indemnify the State of Nevada for honoring such designation. I duly realize failure to so act shall constitute a complete waiver and all submitted information shall become public information; additionally, failure to label any information that is released by the State shall constitute a complete waiver of any and all claims for damages caused by the release of the information.

This proposal contains Confidential Information, Trade Secrets and/or Proprietary information.

***Please initial the appropriate response in the boxes below and provide the justification for confidential status.***

| **Part IB – Confidential Technical Information** | | | |
|---|---|---|---|
| YES | | NO | |
| **Justification for Confidential Status** | | | |
| | | | |

| **Part III – Confidential Financial Information** | | | |
|---|---|---|---|
| YES | | NO | |
| **Justification for Confidential Status** | | | |
| | | | |

Mythics, Inc.
Company Name

Signature

Deonte Watters, Contracts Manager
Print Name

23 October 2017
Date

**This document shall be submitted in Section IV of vendor's technical proposal**

## 2.3 Attachment B – Vendor Certifications

*Attachment B – Vendor Certifications signed by an individual authorized to bind the organization.*

***The following page contains Mythics' completed and signed Attachment B – Vendor Certifications.***

# ATTACHMENT B – VENDOR CERTIFICATIONS

Vendor agrees and shall comply with the following:

(1) Any and all prices that may be charged under the terms of the contract do not and shall not violate any existing federal, State or municipal laws or regulations concerning discrimination and/or price fixing. The vendor agrees to indemnify, exonerate and hold the State harmless from liability for any such violation now and throughout the term of the contract.
(2) All proposed capabilities can be demonstrated by the vendor.
(3) The price(s) and amount of this proposal have been arrived at independently and without consultation, communication, agreement or disclosure with or to any other contractor, vendor or potential vendor.
(4) All proposal terms, including prices, shall remain in effect for a minimum of 180 days after the proposal due date. In the case of the awarded vendor, all proposal terms, including prices, shall remain in effect throughout the contract negotiation process.
(5) No attempt has been made at any time to induce any firm or person to refrain from proposing or to submit a proposal higher than this proposal, or to submit any intentionally high or noncompetitive proposal. All proposals shall be made in good faith and without collusion.
(6) All conditions and provisions of this RFP are deemed to be accepted by the vendor and incorporated by reference in the proposal, except such conditions and provisions that the vendor expressly excludes in the proposal. Any exclusion shall be in writing and included in the proposal at the time of submission.
(7) Each vendor shall disclose any existing or potential conflict of interest relative to the performance of the contractual services resulting from this RFP. Any such relationship that might be perceived or represented as a conflict shall be disclosed. By submitting a proposal in response to this RFP, vendors affirm that they have not given, nor intend to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a public servant or any employee or representative of same, in connection with this procurement. Any attempt to intentionally or unintentionally conceal or obfuscate a conflict of interest shall automatically result in the disqualification of a vendor's proposal. An award shall not be made where a conflict of interest exists. The State shall determine whether a conflict of interest exists and whether it may reflect negatively on the State's selection of a vendor. The State reserves the right to disqualify any vendor on the grounds of actual or apparent conflict of interest.
(8) All employees assigned to the project are authorized to work in this country.
(9) The company has a written equal opportunity policy that does not discriminate in employment practices with regard to race, color, national origin, physical condition, creed, religion, age, sex, marital status, sexual orientation, developmental disability or handicap.
(10) The company has a written policy regarding compliance for maintaining a drug-free workplace.
(11) Vendor understands and acknowledges that the representations within their proposal are material and important, and shall be relied on by the State in evaluation of the proposal. Any vendor misrepresentations shall be treated as fraudulent concealment from the State of the true facts relating to the proposal.
(12) Vendor shall certify that any and all subcontractors comply with Sections 7, 8, 9, and 10, above.
(13) The proposal shall be signed by the individual(s) legally authorized to bind the vendor per NRS 333.337.

Mythics, Inc.

Vendor Company Name

Deonte J. Watters

Vendor Signature

Deonte J. Watters, Contracts Manager — 23 October 2017

Print Name — Date

**This document shall be submitted in Section IV of vendor's technical proposal**

## 2.4 Attachment J

*Attachment J – Certification Regarding Lobbying signed by an individual authorized to bind the organization.*

***The following page contains Mythics' completed and signed Attachment J – Certification Regarding Lobbying.***

## ATTACHMENT J – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or shall be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federally appropriated funds have been paid or shall be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

By: Deonte J. Watters 23 October 2017

Signature of Official Authorized to Sign Application Date

Deonte J. Watters, Contracts Manager

For: Mythics, Inc.

Vendor Name

RFP: 3490 for Oracle Identity and Access Management Upgrade

Project Title

**This document shall be submitted in Section IV of vendor's technical proposal**

## 2.5 Vendor Licensing Agreement(s)

*Copies of any vendor licensing agreements and/or hardware and software maintenance agreements.*

***This is a services-only contract. There are no vendor licensing agreements and/or hardware and software maintenance agreements.***

## 2.6 Applicable Certifications

*Copies of applicable certifications and/or licenses, to include certificate of Oracle Platinum Partner.*

***The following page contains verification of Mythics' Platinum Partnership with Oracle.***

**Scott Davis,**

Thank you for your interest in Platinum Level.

Congratulations! We are pleased to inform you that your application has been accepted.

**Company Registration**

| | |
|---|---|
| **Oracle Partner Network Company ID** | 3-155182034 |
| **Oracle Partner Name** | Mythics, Inc |
| **OPN Partner Country** | United States |
| **Program Category** | Level Program |
| **Program Name** | Platinum Level |
| **Enrollment ID** | 707154 |
| **Enrollment Type** | Validate |
| **Membership Start Date** | 30-JUN-17 |
| **Membership End Date** | 29-JUN-18 |
| **Term Date** | 29-JUN-18 |

Please contact your regional Oracle Partner Business Center at http://www.oracle.com/partners/en/opn-program/membership-resources/business-center/index.html for additional information.

Thank you for your company's participation in the OPN and we look forward to a successful partnership!

Sincerely,
The Oracle Partner Network Team

*Figure 1. Mythics' Verification of Certification as an Oracle Platinum Partner*

# 3. Section V – System Requirements

*Vendors must place their written response(s) in **bold/italics** immediately following the applicable RFP question, statement and/or section. Vendors shall explain in sufficient detail how the vendor shall satisfy the DETR's project requirements described below. If subcontractors shall be used for any of the tasks, vendors shall indicate what tasks and the percentage of time subcontractor(s) shall spend on those tasks.*

## 3.1 Computing Platform

### 3.1.1 Application environment: Java8, Spring, Hibernate and Weblogic Server 12c

***Team Mythics has the required experience and expertise with Java, Spring, Hibernate, and WebLogic 12c application environments. Mythics is specialized in Java and WebLogic 12c, our consultants have implementation specialist certifications with these technologies, and we have delivered hundreds of projects using these technologies. As an Oracle Platinum Partner, Mythics also participates in Partner Advisory Councils, Beta Programs, and Early Adopter Programs for these technologies, to provide feedback and influence over future direction of these technology components.***

***Team Mythics will draw on years of experience working with JavaEE based applications, specifically running on the Oracle WebLogic Server, to assure low-risk and successful integration of the Oracle IAM stack with custom developed and packaged applications to achieve Identity and Access Management feature and functionality. Team Mythics has been successful implementing the Oracle IAM stack with Java/WebLogic based applications using the Oracle WebGates, as well as custom API and SAML based integrations, for numerous customers, including Dept. of Homeland Security Customs & Border Protection (CBP), Federal Law Enforcement Training Centers (FLETC), U.S. Secret Service, Securities & Exchange Commission (SEC), U.S. Coast Guard, and Nuclear Regulatory Commission (NRC) to name a few.***

### 3.1.2 Operating system environment: Linux

***Team Mythics has the required experience and expertise with Linux based operating system environments, to include Oracle Enterprise Linux and RedHat Enterprise Linux. Mythics is specialized Oracle Enterprise Linux versions 5, 6 and 7, our consultants have Oracle and RedHat Enterprise Linux implementation specialist certifications with these technologies, and we have delivered hundreds of projects using Linux based operating system environments. As an Oracle Platinum Partner, Mythics also participates in Partner Advisory Councils, Beta Programs, and Early Adopter Programs for these technologies, to provide feedback and influence over future direction of the Oracle Enterprise Linux operating system. Team Mythics has specific experience and expertise around hardening Enterprise Linux environments utilizing DoD Risk Management Framework (RMF), and DISA Security Technology Implementation Guidance (STIG) to assure security, privacy, and integrity of mission critical and sensitive systems. We have accomplished in both on premises and public Cloud based environments.***

### 3.1.3 Database environment: Oracle Exadata

***Team Mythics is considered a leader with regards to Oracle Exadata implementation and support. Mythics has successfully deployed Oracle Exadata to more than 100 unique customers, and holds certifications and specializations around the Exadata platform. Team Mythics has an***

***Exadata in our Technology Innovation Center (Lab environment) to allow our consultants to work with Oracle Exadata technology outside of the customer's environment.***

### 3.1.4 IAM environment: Oracle IAM Suite

- Oracle Identity Manager
- Oracle Internet Directory
- Oracle Access Manager
- Oracle Adaptive Access Manager
- Oracle Virtual Directory

***Team Mythics has the required experience and expertise with the Oracle Identity and Access Management (IAM) Suite, including OIM, OID/OUD, OAM, OAAM, and OVD. Projects supported range from simple access management and SSO using OAM, to large scale Identity Credentialing and Access Management (ICAM) programs utilizing the entire Oracle IAM stack. Team Mythics has a strong focus on supporting Public Sector customers, some examples include Dept. of Homeland Security CBP, USCIS, USSS, USCG, Nuclear Regulatory Commission, Securities & Exchange Commission, and Fire Department of New York (FDNY).***

***Mythics is specialized in the Oracle IAM Suite, our consultants have achieved implementation specialist certifications with the Oracle IAM Suite products, and we have delivered dozens of projects using the Oracle IAM Suite. As an Oracle Platinum Partner, Mythics also participates in Partner Advisory Councils, Beta Programs, and Early Adopter Programs for these technologies, to provide feedback and influence over future direction of the Oracle IAM Suite. Expertise includes implementation of Single Sign-on (SSO) using Username/Password, CAC/PKI/x.509, Windows Native Authentication/Kerberos, and SAML, as well as Access Management and Identity Governance for Oracle EBS, Peoplesoft, Oracle WebCenter, Oracle SOA Suite, Oracle Forms and Reports, and numerous other custom and third-party applications. Integrations include Active Directory, OpenLDAP, CA Layer7 XML Gateway, F5 BigIP, OID/OUD, Oracle API Gateway, ForgeRock OpenAM, and other directory services, security devices, and access management technologies.***

## 3.2 Technical Requirements

***Mythics acknowledges that the System requirements will be evaluated and developed in conjunction with state staff by the vendor in the initial stages of the project. Technical requirements will be gathered and validated through a series of independent and collaborative review sessions, workshops, and demonstrations to assure a common and consistent understanding of the requirements between Team Mythics and the State. Technical requirements will be documented, reviewed, approved, and baselined as part of the project artifacts and will drive additional functional and security requirements, as well as detailed design of the end-state IAM system.***

## 3.3 Functional Requirements

***Please reference Section VI – Scope of Work for Mythics' response to functional requirements.***

## 3.4 Security Standards

*Vendor must adhere to Oracle recommended, documented, and accepted best practices and standards regarding the installation, configuration, and tuning of the IAM software.*

***Team Mythics utilizes the Oracle Enterprise Deployment Guides (EDG) for all Oracle IAM installation, configuration, and support activities. Whenever there is a conflict between the EDG and customer policies, standards, or practices, Mythics will work collaboratively with customer stakeholders and Oracle to provide a recommendation on the best practice for the specific conflict.***

*System shall meet State security standards for transmission of personal information as outlined in NRS 205.4742 and NRS 603A.*

***Team Mythics will work with appropriate State security officials to assure that the Oracle IAM implementation meets or exceeds the State security standards for transmission of personal information as outlined in NRS 205.4742 and NRS 603A. This includes encryption of data in transit utilizing TLS 2.0 and other appropriate encryption methods.***

*Protection of sensitive information shall include the following:*

- *Sensitive information in existing legacy applications shall encrypt data as is practical.*
- *Confidential personal data shall be encrypted.*
- *Any electronic transmission of personal information shall comply with NRS 603A.215 (2 & 3).*
- *Sensitive data shall be encrypted in all newly developed applications.*

***Team Mythics will work with appropriate State security officials to assure that the Oracle IAM implementation meets or exceeds the State security standards for protection of sensitive information as outlined NRS 603A and other applicable State security policies and standards. This includes encryption of data in transit utilizing TLS 2.0, encryption of data at rest utilizing Oracle Transparent Data Encryption (TDE), separation of duties and least privilege for administrators, operators, and users, and other controls as defined during initial planning session with State security officials.***

*All information technology services and systems developed or acquired by agencies shall have documented security specifications that include an analysis of security risks and recommended controls (including access control systems and contingency plans).*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure all security specifications are planned, implemented, and documented. As part of our standard IAM implementation methodology, Team Mythics develops an overall security plan for the IAM environment. This plan includes established security requirements, an analysis of the requirements and other risk and provides recommended controls to address each of the requirements or risk factors. This plan will be documented, reviewed, approved, and base lined as part of the project artifacts and will drive detailed design of the end-state IAM system.***

*Security requirements shall be developed at the same time system planners define the requirements of the system. Requirements shall permit updating security requirements as new threats/vulnerabilities are identified and/or new technologies implemented.*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure security requirements are included during initial planning and analysis stages of the project. Team Mythics' IAM implementation approach includes identifying security requirements up front and building into the initial plans and design of each layer of the IAM stack. This includes OS, DB, Middleware, Web, and Application tiers, for***

***example implementing database encryption to protect sensitive identity and access data at rest, or configuring TLS for secure communication between system components.***

*Security requirements and evaluation/test procedures shall be included in all solicitation documents and/or acquisition specifications.*

***Team Mythics acknowledges this requirement.***

*Systems developed by either internal State or contracted system developers shall not include back doors, or other code that would cause or allow unauthorized access or manipulation of code or data.*

***Team Mythics acknowledges this requirement, and will ensure that all implementations, configurations, and customizations do not contain any back doors or other vulnerabilities that would allow unauthorized access to State systems. Team Mythics will adhere to Oracle Enterprise Deployment and Security Guidance to assure all configuration based vulnerabilities are addressed. While Team Mythics does not anticipate developing any custom code or software for this project, if the need arises, we will utilize security coding practices, and assure that appropriate reviews, controls, and measures are in place to eliminate any potential vulnerabilities, including disallowing non-authenticated access to any system components, protecting administrative and shared accounts on all systems, and enabling appropriate level of auditing to record and alert on any potentially harmful operations.***

*Security specifications shall be developed by the system developer for approval by the agency owning the system at appropriate points of the system development or acquisition cycle.*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure all security specifications are planned, implemented, and documented.***

*All system development projects shall include a documented change control and approval process and shall address the security implications of all changes recommended and approved to a particular service or system. The responsible agency shall authorize all changes.*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure that the documented change control and approval process addresses security implications of the change. Team Mythics has an established process utilized across multiple projects, which include documented changes, impact, dependencies, and level of effort, obtaining approval for the change from appropriate stakeholders, and implementing the change based on established plans, with appropriate rollback procedures in place. Team Mythics will tailor and/or integrate our internal change management processes with any required processes the State has in place or requires in support of the IAM Upgrade project.***

*Application systems and information that become obsolete and no longer used shall be disposed of by appropriate procedures. The application and associated information shall be preserved, discarded, or destroyed in accordance with Electronic Record and Record Management requirements defined in NRS and NAC 239, Records Management.*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure all obsolete systems and applications will be disposed of properly. During the project initiation and planning phase, Team Mythics will discuss with the State team to understand any specific requirements for this project, with regards to Electronic Record and***

***Record Management policies and procedures. These requirements will be integrated into the plan and executed at the appropriate stage in the project.***

*Software development projects shall comply with State Information Security Consolidated Policy 100, Section 4.7, Software Development and Maintenance and State Standard 131, "Security for System Development".*

- *Separate development, test and production environments shall be established on State systems.*
- *Processes shall be documented and implemented to control the transfer of software from a development environment to a production environment. New hardware/software is not introduced into a production environment until it is fully tested and accepted by the State.*
- *Development of software and tools shall be maintained on computer systems isolated from a production environment.*
- *Access to compilers, editors and other system utilities shall be removed from production systems.*
- *Controls shall be established to issue short-term access to development staff to correct problems with production systems allowing only necessary access.*
- *Security requirements and controls shall be identified, incorporated in and verified throughout the planning, development, and testing phases of all software development projects. Security staff shall be included in all phases of the System Development Lifecycle (SDLC) from the requirement definitions phase through implementation phase*

***Team Mythics acknowledges this requirement, and will work collaboratively with appropriate State stakeholders to assure the Oracle IAM Upgrade project complies with State Information Security Consolidated Policy 100, Section 4.7, Software Development and Maintenance and State Standard 131, "Security for System Development".***

## 4. Section VI – Scope of Work

*Vendors shall place their written response(s) to Section 4, Scope of Work in **bold/italics** immediately following the applicable RFP question, statement and/or section. The scope of work is broken down into tasks, activities and deliverables. The tasks and activities within this section are not necessarily listed in the order that they shall be completed. Vendors shall reflect within their proposal and preliminary project plan their recommended approach to scheduling and accomplishing all tasks and activities identified within this RFP.*
*All tasks performed by the awarded vendor may be reviewed by the IDP Administrator and/or IT Manager.*

- *Within the proposal, vendors shall provide information regarding their approach to meeting the requirements described within Section 4.4 and Section 4.5.*
- *If subcontractors shall be used for any of the tasks, vendors shall indicate what tasks and the percentage of time subcontractor(s) shall spend on those tasks.*
- *Vendor's response shall be limited to no more than five (5) pages per task not including appendices, samples and/or exhibits*

***Per RFP 3490 Section 4.1.1, 4.4, and 4.5, the following Sections 4.1 – 4.2.2 of this document contain Mythics' response to requirements under RFP Section 4.4 and Section 4.5.***

## 4.1 Planning and Administration

*The objective of this task is to ensure that adequate planning and project management are dedicated to this project.*

### 4.1.1 Activities

*The awarded vendor shall work with the State to provide a detailed project plan with fixed deadlines to include, but not be limited to:*

- *Project schedule including tasks, activities, activity duration, sequencing and dependencies;*
- *Project work plan for each deliverable, including a work breakdown structure;*
- *Completion date of each task;*
- *Project milestones;*
- *Entrance and exit criteria for specific project milestones; and*
- *Project organization including a resource plan defining roles and responsibilities for the awarded vendor, subcontractors (if applicable) and State.*
- *A comprehensive approach for handling communications. Must include, but not be limited to: an approach for generation, documentation, storage, transmission and disposal of all project information.*

***PM and Team Approach***

***Team Mythics understands that successful services engagements start with putting the customer first and foremost in everything we do. With all Mythics consulting engagements, no matter the size of the effort, we assign a Mythics Project Manager (PM) to oversee our project, and ensure that the customer's needs are met or exceeded. This PM will be the primary point of contact for NV DETR, and their responsibility is to ensure project success across all areas of the program, including planning, risk management/mitigation, staffing, technical execution, and accurate reporting. They also serve as the interface to other customer support capabilities, such as accounting and invoicing teams. The PM is supported by the Mythics PMO group, setting standards and expectations across the Mythics PM community.***

***Our PMs are fully empowered to assist the technical staff executing on the projects to get the job done right the first time. If, however, there are issues or challenges that do arise requiring escalation beyond the PM, there are several paths that may be followed:***

- ***Organizational reach-back: Mythics has a deep team of industry and Oracle experts***
- ***Technical – the PM has reach-back capabilities into both our consulting organization's Technical Services competency groups as well as our overall organizational Enterprise Architecture team. Within the Consulting Services groups, we have teams of engineers across a wide variety of Oracle disciplines, including Engineered Systems/Core Technology, Fusion Middleware, Analytics, Applications, and Identity Management & Security. These teams can provide additional guidance, mentoring, and trouble-shooting capabilities to bear as needed. The Enterprise Architecture group brings seasoned Oracle veterans who can architect highly complex long-term vision and roadmaps for our clients.***
- ***Operational – the first path of escalation is through the Mythics organization reporting hierarchy, starting with the Operations Directors (OD). The OD has overall delivery responsibility for all programs that fall within the business vertical and can support the PM to get the resources necessary to correct the discrepancy. The OD will engage with***

***the Vertical Manager if additional escalations/authorizations are needed to resolve the problem. If necessary, further escalations the President of Mythics Consulting can be done to ensure client satisfaction.***

- ***Mythics Quality department: Issues can be identified and escalated through our Quality department by a variety of methods (e.g., customer advocate program, quality surveys). The VP of Program Management and Quality will work with the client and project team to ensure Mythics has the proper oversight and plan for resolution.***

***Communications Management***

***This Communications Management Plan sets the communications framework for this project. It will serve as a guide for communications throughout the life of the project and will be updated as communication needs change. This plan identifies and defines the roles of persons involved in this project. It also includes a communications matrix which maps the communication requirements of this project. An in-depth guide for conducting meetings details both the communications rules and how the meetings will be conducted, ensuring successful meetings. A project team directory is included to provide contact information for all stakeholders directly involved in the project.***

***The Mythics Project Manager will take a proactive role in ensuring effective communications on this project. The communications requirements are documented in the Communications Matrix presented in this document. The Communications Matrix will be used as the guide for what information to communicate, who is to do the communicating, when to communicate it and to whom to communicate.***

***As part of identifying all project stakeholders, the Mythics project manager will communicate with each stakeholder in order to determine their preferred frequency and method of communication. This feedback will be maintained by the project manager in the project's Stakeholder Register. Standard project communications will occur in accordance with the Communication Matrix; however, depending on the identified stakeholder communication requirements, individual communication is acceptable and within the constraints outlined for this project.***

***In addition to identifying communication preferences, stakeholder communication requirements must identify the project's communication channels and ensure that stakeholders have access to these channels. If project information is communicated via secure means or through internal company resources, all stakeholders, internal and external, must have the necessary access to receive project communications.***

***Once all stakeholders have been identified and communication requirements are established, the project team will maintain this information in the project's Stakeholder Register and use this, along with the project communication matrix as the basis for all communications.***

| Communication Type | Objective of Communication | Medium | Frequency | Audience | Owner | Deliverable | Format |
|---|---|---|---|---|---|---|---|
| Kickoff Meeting | Introduce the project team and the project. Review project objectives and management approach. | - Face to Face | Once | - Project Sponsor<br>- Project Team<br>- Stakeholders | Project Manager | - Agenda<br>- Meeting Minutes | - Soft copy archived on SharePoint site and project website. |
| Project Team Meetings | Review status of the project with the team. | - Face to Face<br>- Conference Call | Weekly | - Project Team | Project Manager | - Agenda<br>- Meeting Minutes<br>- Project Schedule | - Soft copy archived on SharePoint site and project website. |
| Technical Design Meetings | Discuss and develop technical design solutions for the project. | - Face to Face | As Needed | - Project Technical Staff | Technical Lead | - Agenda<br>- Meeting Minutes | - Soft copy archived on SharePoint site and project website. |
| Monthly Project Status Meetings | Report on the status of the project to management. | - Face to Face<br>- Conference Call | Monthly | - PMO | Project Manager | - Slide Updates - Project Schedule | - Soft copy archived on SharePoint site and project website. |
| Project Status Reports | Report the status of the project including activities, progress, costs and issues. | - Email | Monthly | - Project Sponsor<br>- Project Team<br>- Stakeholders<br>- PMO | Project Manager | - Project Status Report<br>- Project Schedule | - Soft copy archived on SharePoint site and project website. |

| Communication Type | Objective of Communication | Medium | Frequency | Audience | Owner | Deliverable | Format |
|---|---|---|---|---|---|---|---|
| Kickoff Meeting | Introduce the project team and the project. Review project objectives and management approach. | - Face to Face | Once | - Project Sponsor<br>- Project Team<br>- Stakeholders | Project Manager | - Agenda<br>- Meeting Minutes | - Soft copy archived on SharePoint site and project website. |
| Project Team Meetings | Review status of the project with the team. | - Face to Face<br>- Conference Call | Weekly | - Project Team | Project Manager | - Agenda<br>- Meeting Minutes<br>- Project Schedule | - Soft copy archived on SharePoint site and project website. |
| Technical Design Meetings | Discuss and develop technical design solutions for the project. | - Face to Face | As Needed | - Project Technical Staff | Technical Lead | - Agenda<br>- Meeting Minutes | - Soft copy archived on SharePoint site and project website. |
| Monthly Project Status Meetings | Report on the status of the project to management. | - Face to Face<br>- Conference Call | Monthly | - PMO | Project Manager | - Slide Updates - Project Schedule | - Soft copy archived on SharePoint site and project website. |
| Project Status Reports | Report the status of the project including activities, progress, costs and issues. | - Email | Monthly | - Project Sponsor<br>- Project Team<br>- Stakeholders<br>- PMO | Project Manager | - Project Status Report<br>- Project Schedule | - Soft copy archived on SharePoint site and project website. |

*Table 1. Communications Matrix*

- *Assurance that risks are identified, planned for, analyzed, communicated and acted upon effectively.*

***Although elements of risk are inherent in every project, our team will seek to identify threats early, prevent or mitigate foreseeable problems, and provide a foundation for addressing any problems that arise.***

***Beginning at project kickoff and continuing through project close, we will work to identify risks and mitigation strategies proactively, updating the risk register accordingly. Risks associated with each phase of the project will be captured in the risk register and communicated to the NV DETR PM along with their probability of occurrence, impact, contingency, and mitigation strategy. Active risks and issues will be reviewed and discussed in the Weekly Status Report.***

***The most likely and greatest impact risks will be added to the project plan to ensure that they are monitored during the time the project is exposed to each risk. At the appropriate time in the project schedule a Risk Manager is assigned to each risk. During the bi-weekly project team meeting the Risk Manager for each risk will discuss the status of that risk. Risk monitoring will be a continuous process throughout the life of this project. As risks approach on the project***

***schedule the project manager will ensure that the appropriate risk manager provides the necessary status updates which include the risk status, identification of trigger conditions, and the documentation of the results of the risk response.***

***The Mythics project manager will lead the project team in developing responses to each identified risk. As more risks are identified, they will be qualified and the team will develop avoidance and mitigation strategies. These risks will also be added to the Risk Register and the Project Plan to ensure they are monitored at the appropriate times and are responded to accordingly. If necessary, the Risk Management Plan will be updated.***

***The risks for this project will be managed and controlled within the constraints of time, scope, and cost. All identified risks will be evaluated to determine how they affect this triple constraint. The Mythics project manager, with the assistance of the project team, will determine the best way to respond to each risk to ensure compliance with these constraints.***

***Every project must maintain a risk register to track risks and associated mitigation strategies. This section describes the risk register criteria as well as where the risk register is maintained and how these risks are tracked in the project schedule.***

***The Risk Register for this project is a log of all identified risks, their probability and impact to the project, the category they belong to, mitigation strategy, and when the risk will occur. The register was created through the initial project risk management meeting led by the project manager. During this meeting, the project team identified and categorized each risk. Additionally, the team assigned each risk a score based on the probability of it occurring and the impact it could potentially have. The Risk Register also contains the mitigation strategy for each risk as well as when the risk is likely to occur.***

***Based on the identified risks and timeframes in the risk register, each risk has been added to the project plan. At the appropriate time in the plan—prior to when the risk is most likely to occur—the project manager will assign a risk manager to ensure adherence to the agreed upon mitigation strategy. Each risk manager will provide the status of their assigned risk at the bi-weekly project team meeting for their risk's planned timeframe. The table below outlines a typical Risk Register used by Team Mythics.***

| Risk Identification | | | | | | | | | Risk Planning and Response | | | | | Risk Monitoring and Control | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Risk | Type (Opportunity /Threat) | Summary statement | Root cause | Effect | Triggers / Indicators | Probability (1-10) | Impact (1-10) | Risk Score (P x I) | Mitigation | Risk Response | Reserve | Probability-weighted reserve | Risk Owner | Manage or watch? | Status |
| | | | | | | | 0 | 0 | | | 0 | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | | $ - | | | |
| | | | | | | | | 0 | | | Total required reserve---> | $ - | | | |

*Table 2. Sample Risk Register*

- *Quality Assurance the vendor must provide assurance that there is a methodology for maintaining quality of the code, workmanship, project schedules and subcontractor(s) activities.*

***The Quality Management Plan for the NV DETR project will establish the activities, processes, and procedures for ensuring a quality product upon the conclusion of the project. The purpose of this plan is to:***

- ***Ensure quality is planned***
- ***Define how quality will be managed***
- ***Define quality assurance activities***
- ***Define quality control activities***
- ***Define acceptable quality standards***

***The Mythics quality management approach will ensure quality is planned for both the product and processes. To be successful, this project will meet its quality objectives by utilizing an integrated quality approach to define quality standards, measure quality and continuously improve quality.***

***The focus is on the project's deliverable and the standards and criteria being used will ensure the product meets established quality standards and customer satisfaction.***

***Process quality will focus on the processes by which the project deliverables will be completed. Establishing process quality standards will ensure that all activities conform to an organizational standard which results in the successful delivery.***

***The project team will define and document all organizational and project specific quality standards for both product and processes. All quality documentation will become part of the Project Plan.***

***Metrics will be established and used to measure quality throughout the project life cycle for the product and processes. The Quality Group Manager will be responsible for working with the project team to define these metrics, conduct measurements, and analyze results. These product and process measurements will be used as one criterion in determining the success of the project and must be reviewed by the project sponsor. Metrics will include:***

- ***Schedule***
- ***Resources***
- ***Cost***
- ***Process performance***
- ***Product performance***
- ***Customer Satisfaction***

***Organizational QMS/ISO***

***Mythics recognizes the importance of quality and the controls required to be in place to ensure consistent, repeatable high-quality results on all our client engagements. As such, we undertook***

***an extensive internal effort to analyze, document, and formalize a Mythics Quality Management System (QMS). Our QMS was designed around widely-recognized industry standards (PMI), and covers all aspects of our services organization, from properly scoping and responding to opportunities, into the management and execution of programs, and continues through project close-out and reporting activities. In 2012, Mythics received ISO 9001:2008 certification through the successful execution of our QMS, and we have maintained this accreditation through external audits ever since. This quality management certification and standard demonstrates our organization's commitment to quality assurance, control and management. It also confirms our team uses thoroughly defined and proven processes to deliver high-quality solutions to our clients.***

***The Mythics Project Manager and the project team will perform assessments at planned intervals throughout the project to ensure all processes are being correctly implemented and executed. Key performance metrics will be established in the Quality Management Plan during the planning phase. The Project Manager will schedule regularly occurring project, management, and document quality reviews. In these reviews, an agenda item will include a review of project processes, any discrepancies and/or audit findings from the reviewer, and a discussion on process improvement initiatives.***

***Process improvement is a critical aspect of quality assurance. Quality assurance reviews, findings, and assessments will result in process improvement and, thus, product improvement. All process improvement efforts must be documented, implemented, and communicated to all stakeholders as changes are made.***

- *Change Management Plan and Control Procedures This plan shall be used by the vendor and the State in the design, specification, construction, implementation and support of the system.*

***The Mythics Change Management process has been designed to make sure this efficient, repeatable and followed for all changes. By using this methodology, the Project Team will prevent unnecessary change from occurring and focus its resources only on beneficial changes within the project scope.***

***The Change Control Process will follow the change process for all projects. The Mythics project manager has overall responsibility for executing the change management process for each change request.***

a. ***Identify the need for a change (Stakeholders) – Change requestor will submit a completed change request form to the project manager.***
b. ***Log change in the change request register (Project Manager) – The project manager will keep a log of all submitted change requests throughout the project's lifecycle.***
c. ***Evaluate the change (Project Manager, Team, Requestor) – The project manager will conduct a preliminary analysis on the impact of the change to risk, cost, schedule, and scope and seek clarification from team members and the change requestor.***
d. ***Submit change request to CCB (Project Manager) – The project manager will submit the change request, as well as the preliminary analysis, to the CCB for review.***
e. ***Obtain Decision on change request (CCB) – The CCB will discuss the proposed change and decide whether or not it will be approved based on all submitted information.***

***f. Implement change (Project Manager) – If a change is approved by the CCB, the project manager will update and re-baseline project documentation as necessary.***

***The Change Control Board (CCB) is the approval authority for all proposed change requests pertaining to the Project. The purpose of the CCB is to review all change requests, determine their impacts on the project risk, scope, cost, and schedule, and to approve or deny each change request. The following chart provides a list of the CCB members:***

| *Position* | *CCB Role* |
|---|---|
| *Project Sponsor* | *CCB Chair* |
| *Project Manager* | *CCB Member* |
| *Project Technical Lead* | *CCB Co-Chair* |
| *Project Operations Lead* | *CCB Member* |

*Table 3. CCB Members*

***As change requests are submitted to the Mythics Project Manager by the project team/stakeholders, the Project Manager will log the requests in the change log and the CCB will convene every other Friday to review all change requests. For a change request to be approved, all CCB members must vote in favor. In the event more information is needed for a particular change request, the request will be deferred and sent back to the requestor for more information or clarification. If a change is deemed critical, an ad hoc CCB meeting can be called in order to review the change prior to the next scheduled bi-weekly CCB meeting.***

***The following are the roles and responsibilities for all change management efforts related to the IAM Project:***

***Project Sponsor:***

- ***Approve all changes to budget/funding allocations***
- ***Approve all changes to schedule baseline***
- ***Approve any changes in project scope***
- ***Chair the CCB***

***Project Manager:***

- ***Receive and log all change requests from project stakeholders***
- ***Conduct preliminary risk, cost, schedule, scope analysis of change prior to CCB***
- ***Seek clarification from change requestors on any open issues or concerns***
- ***Make documentation revisions/edits as necessary for all approved changes***
- ***Participate on CCB***

***Project Team / Stakeholders***

- ***Submit all change requests on standard organizational change request forms***
- ***Provide all applicable information and detail on change request forms***
- ***Be prepared to address questions regarding any submitted change requests***
- ***Provide feedback as necessary on impact of proposed changes***

*Attend and participate in all project related meetings requested by the State at a location to be determined by the State. Attendance may be in person or via teleconferencing, as mutually agreed to by the project team. These meetings shall follow an agenda mutually developed by the awarded vendor and the State. The awarded vendor shall prepare materials or briefings for these meetings as requested by the State. Minutes shall be taken and distributed by State staff within five (5) working days after the meeting. Minutes may be distributed via facsimile or email. The agenda may include, but not be limited to:*

- *Review and approval of previous meeting minutes;*
- *Contractor project status;*
- *State project status;*
- *Contract status and issues, including resolutions;*
- *Quality Assurance status;*
- *New action items;*
- *Outstanding action items, including resolutions;*
- *Setting of next meeting date; and*
- *Other business.*

*Provide written semi-monthly project status reports delivered to State project management by the third (3rd) working day following the end of each reporting period. The format shall be approved by the State prior to issuance of the first semi-monthly project status report. The first semi-monthly report covers the reporting period from the 1st through the 15th of each month; and the second semi-monthly report covers the reporting period from the 16th through the end of the month. The status reports shall include, but not be limited to the following:*

- *Overall completion status of the project in terms of the State approved project work plan and deliverable schedule;*
- *Accomplishments during the period, including State staff/stakeholders interviewed, meetings held, Joint Application Development (JAD) sessions and conclusions/decisions determined;*
- *Problems encountered and proposed/actual resolutions;*
- *What is to be accomplished during the next reporting period;*
- *Issues that need to be addressed, including contractual;*
- *Quality Assurance status;*
- *Updated MS Project time line showing percentage completed, tasks assigned, completed and remaining;*
- *Identification of schedule slippage and strategy for resolution;*
- *Contractor staff assigned and their location/schedule; and*
- *State resources required for activities during the next time period.*

***Status reporting will be owned and lead by the Mythics Project Manager throughout the life cycle of the project. The key elements that will be monitored and reported are scope, schedule, budget, risks and issues. There will be a bi-weekly status report that coincides with the bi-weekly status meeting that will include all key stakeholders.***

***Scope Status***

***In each status meeting and report, any issues regarding scope to include, scope changes, roles and responsibilities of team members, verification and control measures and the project's work***

***breakdown structure. At the completion of any status meeting, team members should be clear on the work packages assigned to them and the scope of that work package.***

***Schedule Status***

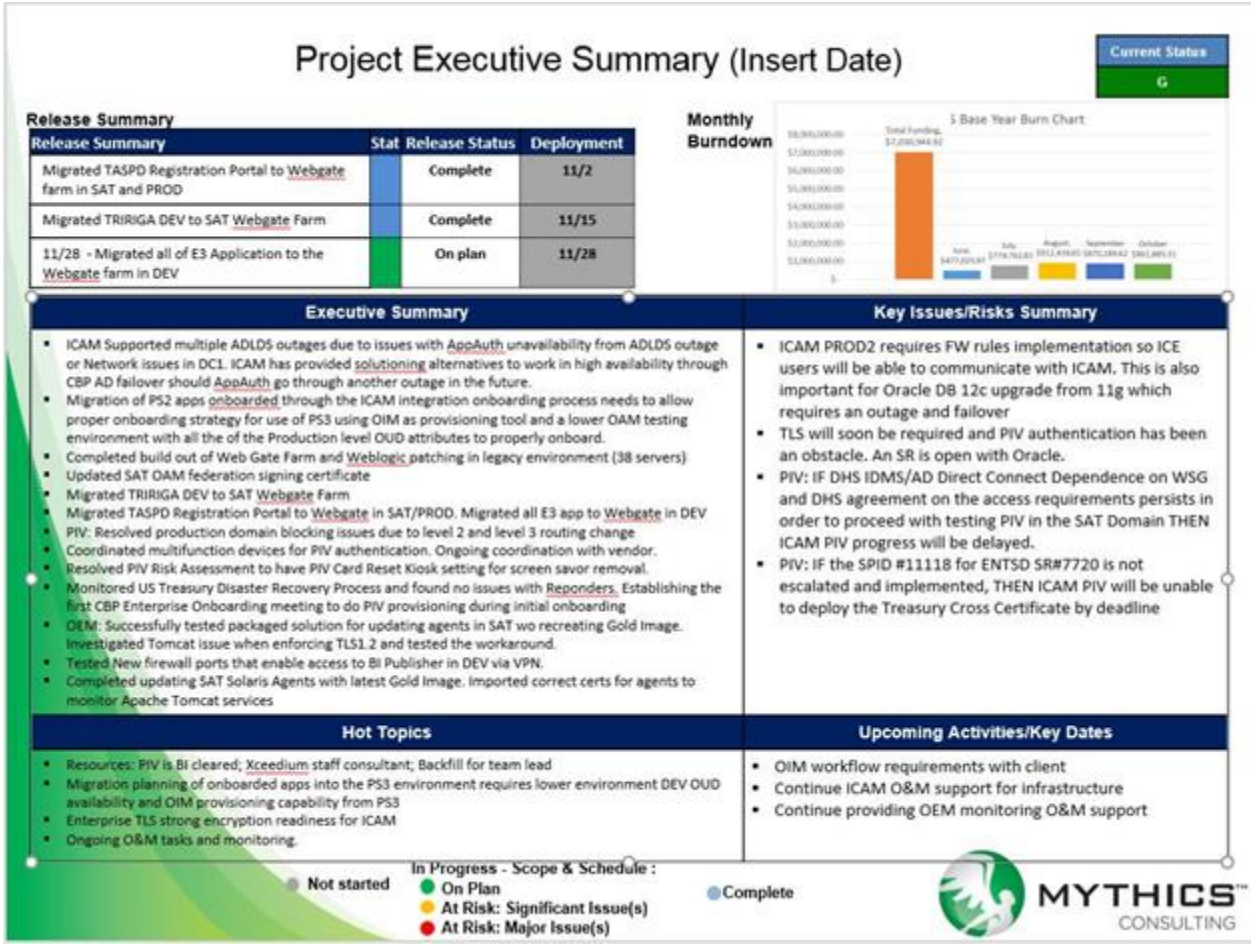
***The project schedule will be reported using percent complete for key milestones and the critical path. Both elements will be highlighted in the project schedule and managed to throughout the lifecycle of the project. The schedule will be baselined as the beginning of the project and reported in relation to that baseline throughout the project. Any changes to key milestone delivery dates or the critical path will be reported as risks and/or changes and acted upon using Risk Response measures or Change Management. Upcoming work will be coordinated, assigned and verified in each project status meeting based on the project schedule.***

***Budget Status***

***The budget will be reported on using the templates illustrated in the Budget Management section of the RFP. This being an FFP project, Mythics is assuming the budget risk and the only thing that would impact the budget from the NV DETR perspective are client caused delays. Mythics will report any client caused delays as a Risk or Issue and take appropriate action through either Risk Management or Change Management.***

***Risk/Issue Status***

***The Risk Register and Issue Register will be part of the bi-weekly status report. Risks and risk mitigation plans will be reviewed and updated and Risk Owner's assigned to watch for and respond to risks, should they occur. Issues will be logged and Issue owners will report on a bi-weekly basis the status of their assigned issues and next steps in resolving. The Risk Register and Issue Register will be a critical artifact that will be a living document throughout the lifecycle of the project.***



# Project Executive Summary (Insert Date)

Current Status: G

**Release Summary**

| Release Summary | Stat | Release Status | Deployment |
|---|---|---|---|
| Migrated TASPD Registration Portal to Webgate farm in SAT and PROD | | Complete | 11/2 |
| Migrated TRIRIGA DEV to SAT Webgate Farm | | Complete | 11/15 |
| 11/28 - Migrated all of E3 Application to the Webgate farm in DEV | | On plan | 11/28 |

**Monthly Burndown**



**Executive Summary**

- ICAM Supported multiple ADLDS outages due to issues with AppAuth unavailability from ADLDS outage or Network issues in DC1. ICAM has provided solutioning alternatives to work in high availability through CBP AD failover should AppAuth go through another outage in the future.
- Migration of PS2 apps onboarded through the ICAM integration onboarding process needs to allow proper onboarding strategy for use of PS3 using OIM as provisioning tool and a lower OAM testing environment with all the of the Production level OUD attributes to properly onboard.
- Completed build out of Web Gate Farm and Weblogic patching in legacy environment (38 servers)
- Updated SAT OAM federation signing certificate
- Migrated TRIRIGA DEV to SAT Webgate Farm
- Migrated TASPD Registration Portal to Webgate in SAT/PROD. Migrated all E3 app to Webgate in DEV
- PIV: Resolved production domain blocking issues due to level 2 and level 3 routing change
- Coordinated multifunction devices for PIV authentication. Ongoing coordination with vendor.
- Resolved PIV Risk Assessment to have PIV Card Reset Kiosk setting for screen savor removal.
- Monitored US Treasury Disaster Recovery Process and found no issues with Reponders. Establishing the first CBP Enterprise Onboarding meeting to do PIV provisioning during initial onboarding
- OEM: Successfully tested packaged solution for updating agents in SAT wo recreating Gold Image. Investigated Tomcat issue when enforcing TLS1.2 and tested the workaround.
- Tested New firewall ports that enable access to BI Publisher in DEV via VPN.
- Completed updating SAT Solaris Agents with latest Gold Image. Imported correct certs for agents to monitor Apache Tomcat services

**Key Issues/Risks Summary**

- ICAM PROD2 requires FW rules implementation so ICE users will be able to communicate with ICAM. This is also important for Oracle DB 12c upgrade from 11g which requires an outage and failover
- TLS will soon be required and PIV authentication has been an obstacle. An SR is open with Oracle.
- PIV: IF DHS IDMS/AD Direct Connect Dependence on WSG and DHS agreement on the access requirements persists in order to proceed with testing PIV in the SAT Domain THEN ICAM PIV progress will be delayed.
- PIV: IF the SPID #11118 for ENTSD SR#7720 is not escalated and implemented, THEN ICAM PIV will be unable to deploy the Treasury Cross Certificate by deadline

**Hot Topics**

- Resources: PIV is BI cleared; Xceedium staff consultant; Backfill for team lead
- Migration planning of onboarded apps into the PS3 environment requires lower environment DEV OUD availability and OIM provisioning capability from PS3
- Enterprise TLS strong encryption readiness for ICAM
- Ongoing O&M tasks and monitoring.

**Upcoming Activities/Key Dates**

- OIM workflow requirements with client
- Continue ICAM O&M support for infrastructure
- Continue providing OEM monitoring O&M support

Not started | In Progress - Scope & Schedule : On Plan | At Risk: Significant Issue(s) | At Risk: Major Issue(s) | Complete

MYTHICS CONSULTING

*Figure 2. Project Executive Summary*

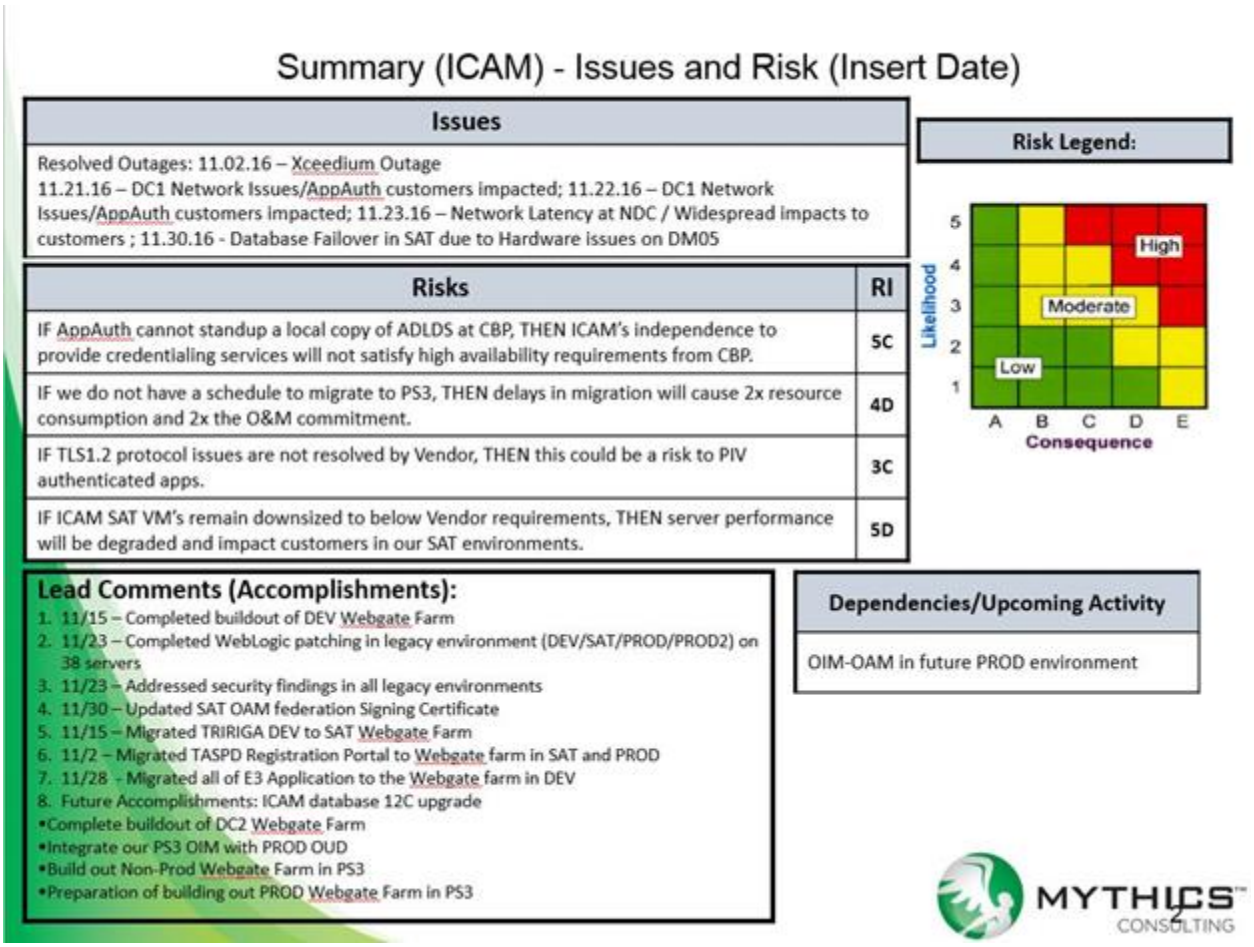



*Figure 3. Summary ICAM - Issues and Risk*

### 4.1.2 Deliverables

| PLANNING AND ADMINISTRATION DELIVERABLES | | | |
|---|---|---|---|
| **DELIVERABLE NUMBER** | **DESCRIPTION OF DELIVERABLE** | **ACTIVITY** | **STATE'S ESTIMATED REVIEW TIME (WORKING DAYS)** |
| 4.4.3.1 | Detailed Project Plan | 4.4.2.1 | 10 |
| 4.4.3.2 | Attendance at all scheduled meetings | 4.4.2.2 | N/A |
| 4.4.3.3 | Written Semi-Monthly Project Status Report | 4.4.2.3 | 5 |

***Team Mythics acknowledges the deliverables associated to each activity, along with estimated review time for NV DETR to review each deliverable. We have provided details of each deliverable in the above sections, describing our approach to each activity.***

## 4.2 IAM Environments

*Successful vendor will create three (3) IAM environments consisting of:*

- *Development*
- *Test – High availability environment configured to match production environment configuration*

- *Production – High availability environment*
- *Migration of existing IAM configurations and data to new environments*
- *Migration and upgrade tasks are to be performed according to recommended Oracle infrastructure, Oracle IAM software, and security industry best practices.*

***Team Mythics has a full understanding of the requirements provided by NV DETR to migrate to the latest version of the Oracle Identity and Access Management Suite. This will include the following high-level tasks:***

- ***(4.5.2.1) Evaluation, Requirements Gathering, and Design of the Target IAM System***
- ***(4.5.2.2) Build, Configure, Integrate, Migrate, and Test IAM Development Environment***
  - ***Single Instance (non-HA); without SSL/TLS***
- ***(4.5.2.3) Build, Configure, Integrate, Deploy, and Test the IAM Test Environment***
  - ***2-node HA/Cluster; with SSL/TLS communication***
  - ***Support Acceptance Testing***
- ***(4.5.2.4) Build, Configure, Integrate, and Deploy IAM Production Environment***
  - ***2-node HA/Cluster; with SSL/TLS communication***
  - ***Support Go-Live and Post Go-Live***
- ***(4.5.2.5) Deliver Documentation and Knowledge Transfer***

***Team Mythics' approach to accomplishing the tasks defined for this project, focus on collaboration and a strong partnership with NV DETR staff during the entire project, in order to assure any challenges, issues, changes, and risks are identified and addressed as soon as possible. We also follow Oracle Enterprise Deployment Guidance (EDG) for all installation, configuration, integration, migration, and support related activities. If the need arises to divert from the EDG for any reason, an effective and mutually agreed upon alternative will be identified and fully documented and tested.***

***Team Mythics will also leverage automation whenever possible to reduce the time and complexity of deployments and configurations. This includes tools such as Puppet/Chef, Oracle WebLogic Scripting Tool (WLST), Oracle's IAM Life Cycle Management (LCM) utility, and Oracle's Test2Production (T2P) tool to assure a smooth transition between environments and guarantee consistency between different environments.***

***Finally, Team Mythics will deliver a smooth transition of the environments to NV DETR staff, through detailed documentation, hands-on workshops, knowledge transfer sessions, and on-site post Go-Live support. Our approach will assure the NV DETR team has the tools, resources, and knowledge to support the upgraded IAM solution with the little to no dependency on external support.***

### 4.2.1 Activities

*The awarded vendor shall:*

- *Evaluate current environment and complete requirements and design*
- *Evaluate current IAM environments and configurations.*
- *Make upgrade and configuration recommendations based on evaluations of current IAM environments and configurations in-line with IAM and Oracle best practices.*
- *Work with DETR staff to complete Environment Requirements and Design.*

***Team Mythics will work collaboratively with the NV DETR stakeholders to gain a full understanding of the Oracle IAM technology stack in place today, including installation, configuration, integrations, policies, user data, customizations, business applications, and supporting processes. Team Mythics will review existing documentation, conduct joint workshops, and navigate the current system, to gain a thorough understanding of the as-is IAM implementation. Gaining a full understanding of the current "as-is" environment, will allow our team to map existing feature, functionality, requirements, and practices to the target "to-be" environment, as well as make recommendations for modifications to align with best practices and guidance. The evaluation and analysis may also uncover gaps that will need to be addressed through additional configuration, customization, or other work around. If this type of issue arises, Mythics will focus first on identifying a configuration-based approach to resolving the issue, and look at customization as a last resort.***

***During the Evaluation phase, Team Mythics will also collect, analyze, and validate requirements for the target IAM system. These requirements will be documented and socialized with the NV DETR stakeholders to assure all technical, functional, and security requirements are addressed. Requirements and best practices will then drive the overall design of the target IAM system. The design will be comprised of both logical and physical (deployment) designs. The table below outlines the key components of each of the designs.***

| *Logical Design* | *Physical Design* |
|---|---|
| • *Logical Tiers of the IAM system*<br>• *Layout of all IAM system components*<br>• *Integration points and data flow*<br>• *Relationship to external components*<br>• *Security layers* | • *High-level architecture*<br>• *Implementation specifications*<br>• *Infrastructure Requirements*<br>• *High availability and Scalability*<br>• *Physical integration points* |

*Table 4. Key Elements of Logical and Physical Design*

***The outcome of the Evaluate current environment and complete requirements and design phase of the project will be a thorough evaluation, recommendation document, requirements document, and design document, that will be provided to NV DETR as deliverable 4.5.3.1. Team Mythics anticipates the duration for this phase to be approximately 15 days, not including the 5 days anticipated by NV DETR to review and approve Deliverable 4.5.3.1. It is expected that Team Mythics will begin initial preparations for the "Build IAM Development Environment" phase of the project, after the documentation supporting Deliverable 4.5.3.1 is provided to the NV DETR team.***

*Build IAM Development Environment, including installation, setup and integration of the following components, software and related tasks:*

- *Oracle Internet Directory (OID)*
- *Oracle Access Manager (OAM)*
- *Oracle Adaptive Access Manager (OAAM)*
- *Oracle Identity Manager (OIM)*
- *Oracle supplied Business Intelligence Publisher Reports for IAM*
- *Integration of above products*
- *Migration of artifacts, policies and configuration (OAM, OAAM, OIM and OID)*

***Team Mythics understands that installation and configuration of Oracle IAM software can be a time-consuming process. Team Mythics' automation based approach using Oracle supported tools provides consistent and automated installation and configuration capabilities for Oracle Identity and Access Management on both single instance (non-HA) environments as well as highly available, production systems. Team Mythics' approach provides continuous migration and integration using Oracle's IDM Life Cycle Management (LCM) tool, pack/unpack utility and Test2Prod (T2P) process. Team Mythics will approach building the development environment by preparing the environment, based on published prerequisites and Enterprise Deployment Guidance, perform necessary configuration of the IDM LCM tool based on established requirements and design, and run the IDM LCM tool to perform scripted and automated installation and configuration of the Oracle IAM components. After IDM LCM has performed initial installation and configuration, Team Mythics will perform manual and scripted validation of the components to assure each one is performing and functioning as expected. Any changes identified and implemented after completing the installation and configuration, will be documented and ported back into the IDM LCM as appropriate, so they are captured for the next environment build and configuration.***

***While environments are being built and configured, Team Mythics will also begin working on planning the migration, reengineering, and/or customizations necessary from IAM PS2 to PS3. This will include developing test and validation plans, performing exports, recompilation of custom code, development of any components that were identified as non-migratable, etc. Upon validation of the environment readiness, Team Mythics will start the import and deployment of these policies, configurations, customizations, data, jobs, workflows, and other necessary artifacts, in the IAM PS3 Development environment. As migrations and/or customizations are completed on each component, Team Mythics will validate (unit test) each component in collaboration with NV DETR staff, to assure the component is functioning as expected, against the established Test Plan. When all components migrations have been completed, Team Mythics will perform end-to-end testing and validation of the IAM system, which will include integration with a subset of business applications as appropriate. Testing and validation will be accomplished in collaboration with NV DETR staff, and will adhere to the established Test Plan.***

***The outcome of the Build IAM Development Environment phase of the project will be a detailed Build and Configurations Guide and documented Test Results, that will be provided to NV DETR as deliverable 4.5.3.2. Team Mythics anticipates the duration for this phase to be approximately 55 days, not including the 5 days anticipated by NV DETR to review and approve Deliverable 4.5.3.2. Much of the time in this phase of the project is dedicated to the migration, reengineering, and customization effort, in moving artifacts from IAM PS2 to PS3. It is expected that Team Mythics will begin initial preparations for the "Build IAM Test Environment" phase of the project, after the documentation supporting Deliverable 4.5.3.2 is provided to the NV DETR team.***

*Build IAM Test Environment (high availability / clustered) including installation, setup and integration of the following components, software and related tasks:*

- *Oracle Internet Directory (OID)*
- *Oracle Access Manager (OAM)*
- *Oracle Adaptive Access Manager (OAAM)*
- *Oracle Identity Manager (OIM)*

- *Oracle Business Intelligence Publisher and OOTB reports*
- *Integration of above products*
- *Configuration of secure communication channel between IAM components, web Server and load balancer using SSL*
- *Migration of User Data*
- *Migration of artifacts, policies and configuration (OAM, OAAM, OIM and OID)*
- *Provide support for troubleshooting and testing of custom API and integration points with business applications*
- *Acceptance Test Support*

***Team Mythics will approach the Build IAM Test Environment phase of the project following a similar approach to the Build IAM Development Environment phase. The same methodologies, automation, and processes will be followed to assure consistency and reduce complexity when building out the Test Environment.***

***Team Mythics will prepare and validate the Test environment, including updating the IDM LCM configurations to account for differences between the Development and Test environments. The primary differences between Development and Test include installation and configuration of high availability / clustering and configuration of secure communication over TLS. There will likely be additional changes identified during the initial Evaluation, Requirements, and Design phase, that will feed into changes required between Development and Test environments.***

***Upon successful build and install utilizing the IDM LCM tool, Team Mythics will perform any necessary configurations, integrations, etc. that require completion outside of the LCM tool, those changes will be documented and scripted as appropriate. Next, the team will validate the components and all configuration changes and begin migrating the policies, configurations, customizations, and other artifacts from the IAM PS3 Development environment. There should be minimal modification to these artifacts as they are deployed to the Test environment. User data will also be migrated from the legacy test system, to ensure that all users, groups, roles, etc. are configured in the IAM PS3 Test environment.***

***After all configurations, deployments, and migrations have been validated, Team Mythics will begin integrating the NV DETR business applications with the IAM PS3 Test environment, this includes both out-of-the-box and supporting existing custom API integrations. Once validation and smoke testing has returned successful results, Team Mythics will support NV DETR Acceptance Testing efforts. Team Mythics will provide support for test cases, scenarios, and any troubleshooting necessary to resolve issues encountered, both technical and process related. Any changes that need to be made, will be evaluated to determine if they are environment specific or need to be implemented in the Development environment and regression tested prior to deploying into the Test environment. All changes will be documented and deployment artifacts updated as appropriate.***

***The outcome of the Build IAM Test Environment phase of the project will be an updated Build and Configurations Guide, Migration and Deployment Guide, and documented Test Results, that will be provided to NV DETR as deliverable 4.5.3.3. Team Mythics anticipates the duration for this phase to be approximately 40 days, not including the 5 days anticipated by NV DETR to review and approve Deliverable 4.5.3.2. Much of the time in this phase of the project is dedicated to migrations, deployments, validation and supporting Acceptance Testing efforts. It is expected***

***that Team Mythics will begin initial preparations for the "Build IAM Production Environment" phase of the project, after the documentation supporting Deliverable 4.5.3.3 is provided to the NV DETR team.***

*Build Production IAM Environment ((high availability / clustered) including installation, setup and integration of the following components, software and related tasks:*

- *Oracle Internet Directory (OID)*
- *Oracle Access Manager (OAM)*
- *Oracle Adaptive Access Manager (OAAM)*
- *Oracle Identity Manager (OIM)*
- *Oracle Business Intelligence Publisher and OOTB reports*
- *Integration of above products*
- *Configuration of secure communication channel between IAM components, web Serve and load balancer using SSL*
- *Migration of User Data*
- *Migration of artifacts, policies and configuration (OAM, OAAM, OIM and OID)*
- *Go-Live and post go–live Production Support*

***Team Mythics will approach the Build IAM Production Environment phase of the project following a similar approach to the Build IAM Test Environment phase. Team Mythics recommends using the Oracle Deployment Manager (DM) and Test2Production (T2P) utility to "clone" the installation and configurations of the Oracle IAM components from the IAM Test environment to the IAM Production environment. This method will reduce the complexity, time, and risk of building out the Production environment, and will ensure consistency between environments. Team Mythics will perform an assessment and determine the best approach, in collaboration with NV DETR, for building the IAM Production environment, based on specific requirements of the environment.***

***Once the environment is built, configuration of the connectors and integrations will be completed using the document and/or scripted processes from the Test environment and validation will occur utilizing the established test scripts, cases, and scenarios. Deployment and/or migration of the policies, configurations, customizations, artifacts, and user data will occur using the baseline version of the configurations that were deployed into the IAM Test environment. Any environment specific changes will be implemented and document/scripted as appropriate. Once all configurations have been implemented and migrations/deployments completed, Team Mythics and NV DETR will perform validations and smoke testing, and in parallel begin Production Go-Live Planning efforts.***

***With Go-Live planning complete, validations, and smoke testing successful, Team Mythics will provide NV DETR staff with all required information to allow them to make a Go-Live decision and set a Go-Live date. Knowledge transfer with the NV DETR staff will start prior to Go-Live, to ensure the NV DETR staff have appropriate knowledge and resources to support the IAM PS3 system during Go-Live and post Go-Live. During the Go-Live, Team Mythics, in collaboration with NV DETR staff, will accomplish a scripted and well documented cut-over, but performing necessary user and data migration, integration of business applications, and validation / smoke testing of the system.***

***The outcome of the Build IAM Production Environment phase of the project will be an updated Build and Configurations Guide, updated Migration and Deployment Guide, and documented post Go-Live Report, that will be provided to NV DETR as deliverable 4.5.3.4. Team Mythics anticipates the duration for this phase to be approximately 28 days, not including the 5 days anticipated by NV DETR to review and approve Deliverable 4.5.3.4. Much of the time in this phase of the project is dedicated to Go-Live planning and post Go-Live support. It is expected that Team Mythics will begin the "Knowledge Transfer" phase of the project, during the Go-Live Planning activities.***

*Knowledge Transfer*

- *Provide Architecture and Environment Documentation for IAM environments.*
- *Oracle IAM System Run-Book*
- *Mentoring, transition and best practices for IAM upgrade*

***Team Mythics will perform knowledge transfer to the NV DETR staff throughout the duration of the project, but formal knowledge transfer sessions, such as workshops, hands-on labs, and other forms of information training, will start during Production Go-Live planning, to prepare the NV DETR staff to support the Go-Live and post Go-Live activities. Team Mythics will finalize and review the Oracle IAM PS3 Architecture and Environment Documentation, and a Run-Book, which will provide the NV DETR staff with all necessary details to understand the IAM PS3 system, and perform necessary operations and maintenance activities on the system.***

***The outcome of this phase of the project will include the Architecture and Environment Documentation and IAM System Run-Book, along with the mentoring, knowledge transfer sessions, and workshops will be provided to NV DETR as deliverable 4.5.3.5. Team Mythics anticipates the duration for this phase of the project to be approximately 9 days, not including the 5 days anticipated by NV DETR to review and approve Deliverable 4.5.3.5. This time will be distributed across different phases of the project, but will mostly take place during the Go-Live Planning and Post Go-Live activities.***

### 4.2.2 Deliverables

| 4.5 IAM ENVIRONMENTS DELIVERABLES | | | |
|---|---|---|---|
| DELIVERABLE NUMBER | DESCRIPTION OF DELIVERABLE | ACTIVITY | STATE'S ESTIMATED REVIEW TIME (WORKING DAYS) |
| 4.5.3.1 | Evaluate current IAM environments and complete requirements and design | 4.5.2.1 | 5 |
| 4.5.3.2 | Build IAM Development Environment | 4.5.2.2 | 5 |
| 4.5.3.3 | Build IAM Test Environment | 4.5.2.3 | 5 |
| 4.5.3.4 | Build Production IAM Environment | 4.5.2.4 | 5 |
| 4.5.3.5 | Knowledge Transfer | 4.5.2.5 | 5 |

*Table 5. IAM Environments Deliverables*

***Team Mythics acknowledges the deliverables associated to each activity, along with estimated review time for NV DETR to review each deliverable. We have provided details of each deliverable in the above sections, describing our approach to each activity.***

## 5. Section VII– Company Background and References

*Please be advised, pursuant to NRS 80.010, a corporation organized pursuant to the laws of another state shall register with the State of Nevada, Secretary of State's Office as a foreign corporation before a contract can be executed between the State of Nevada and the awarded vendor, unless specifically exempted by NRS 80.015*

*Vendors shall place their written response(s) to **Section 5, Company Background and References** in **bold/italics** immediately following the applicable RFP question, statement and/or section. This section shall also include the requested information in **Section 5.2, Subcontractor Information**, if applicable.*

## 5.1 Vendor Profile

| Question | Response |
|---|---|
| Company name: | ***Mythics, Inc.*** |
| Ownership (sole proprietor, partnership, etc.): | ***Corporation*** |
| State of incorporation: | ***Virginia*** |
| Date of incorporation: | ***April 18, 2000*** |
| # of years in business: | ***17*** |
| List of top officers: | ***Mike Hillier and R. Scott LaRose*** |
| Location of company headquarters, including City and State: | ***1439 N. Great Neck Road, #201***<br>***Virginia Beach, VA 23454*** |
| Location(s) of the office that shall provide the services described in this RFP: | ***1439 N. Great Neck Road, #201***<br>***Virginia Beach, VA 23454*** |
| Number of employees locally with the expertise to support the requirements identified in this RFP: | ***2*** |
| Number of employees nationally with the expertise to support the requirements in this RFP: | ***20*** |
| Location(s) from which employees shall be assigned for this project: | ***Nationwide and/or include VA, IN and CA*** |

*Table 6. Vendor Profile*

*The selected vendor, prior to doing business in the State of Nevada, shall be appropriately licensed by the State of Nevada, Secretary of State's Office pursuant to NRS76. Information regarding the Nevada Business License can be located at http://nvsos.gov.*

| Question | Response |
|---|---|
| Nevada Business License Number: | ***NV20141520332*** |
| Legal Entity Name: | ***MYTHICS, INC.*** |

*Is "Legal Entity Name" the same name as vendor is doing business as?*

| Yes | ***X*** | No | |
|---|---|---|---|

*If "No", provide explanation.*

*Vendors are cautioned that some services may contain licensing requirement(s). Vendors shall be proactive in verification of these requirements prior to proposal submittal. Proposals that do not contain the requisite licensure may be deemed non-responsive.*
*Has the vendor ever been engaged under contract by any State of Nevada agency?*

| | | | |
|---|---|---|---|
| Yes | ***X*** | No | |

*If "Yes", complete the following table for each State agency for whom the work was performed. Table can be duplicated for each contract being identified.*

| Question | Response |
|---|---|
| Name of State agency: | ***Nevada Department of Motor Vehicles*** |
| State agency contact name: | ***Judy Gates*** |
| Dates when services were performed: | ***September 2016 - Current*** |
| Type of duties performed: | ***Installation and implementation of Oracle Engineered Systems. Exadata Servers and ZFS storage appliances*** |
| Total dollar value of the contract: | ***$533K*** |

*Are you now or have you been within the last two (2) years an employee of the State of Nevada, or any of its agencies, departments, or divisions?*

| | | | |
|---|---|---|---|
| Yes | | No | ***X*** |

*If "Yes", please explain when the employee is planning to render services, while on annual leave, compensatory time, or on their own time?*
*If you employ (a) any person who is a current employee of an agency of the State of Nevada, or (b) any person who has been an employee of an agency of the State of Nevada within the past two (2) years, and if such person shall be performing or producing the services which you shall be contracted to provide under this contract, you shall disclose the identity of each such person in your response to this RFP, and specify the services that each person shall be expected to perform.*
*Disclosure of any significant prior or ongoing contract failures, contract breaches, civil or criminal litigation in which the vendor has been alleged to be liable or held liable in a matter involving a contract with the State of Nevada or any other governmental entity. Any pending claim or litigation occurring within the past six (6) years which may adversely affect the vendor's ability to perform or fulfill its obligations if a contract is awarded as a result of this RFP shall also be disclosed.*
*Does any of the above apply to your company?*

| | | | |
|---|---|---|---|
| Yes | | No | ***X*** |

*If "Yes", please provide the following information. Table can be duplicated for each issue being identified.*

| Question | Response |
|---|---|
| Date of alleged contract failure or breach: | ***Not applicable.*** |
| Parties involved: | ***Not applicable.*** |

| Question | Response | |
|---|---|---|
| Description of the contract failure, contract breach, litigation, or investigation, including the products or services involved: | ***Not applicable.*** | |
| Amount in controversy: | ***Not applicable.*** | |
| Resolution or current status of the dispute: | ***Not applicable.*** | |
| If the matter has resulted in a court case: | Court | Case Number |
| | ***Not applicable.*** | ***Not applicable.*** |
| Status of the litigation: | ***Not applicable.*** | |

## 5.2 Vendor Insurance Requirements

*Vendors shall review and provide if awarded a contract the insurance requirements as specified in Attachment D, Insurance Schedule for RFP 3490.*

***Mythics meets the insurance requirements as specified in Attachment D – Insurance Schedule for RFP 3490. Please reference for Mythics' additional terms to Attachment D – Insurance Schedule for RFP 3490.***

## 5.3 Vendor Qualifications

*Company background/history and why vendor is qualified to provide the services described in this RFP. Limit response to no more than five (5) pages.*

***Product Competence // Oracle Competence***

***Oracle has been, and continues to be the leader in the space of Identity and Access Management. Oracle has for many years clearly dominated the Gartner magic quadrant, as being a visionary and leader in the space of IAM. Today, Oracle continues to be only player that has an integrated, feature rich, scalable and proven Identity & Access Management solution. With more than 1,200 people dedicated to Oracle IAM product development and management, Oracle is the largest IAM dedicated development organization.***

***Oracle's strength in IAM clearly align with NV DETR's objective. Oracle is the only player that has a comprehensive solution in this space.***

***Mythics has architected a solution that would not only meet the immediate requirements, but also be a "future proof" platform that will provide a roadmap to meet new market demands as well as evolving business and compliance requirements.***

***Deployment Competence // Team Mythics Competence***

***For well over 15 years, our team of experienced professionals have been advising, guiding and providing expert consulting services to customers across multiple industry verticals like Higher Ed, Financial Services, Retail, Healthcare and State and Local departments.***

***Oracle partnership***

***Our expertise in Oracle IAM solution extends to our understanding of the Oracle IAM products, even before they became Oracle IAM products! Our expert consulting team has been part of the product development and deployment for products like Thor Xellerate (which subsequently became Oracle Identity Manager) and Oblix (which subsequently became Oracle Access***

***Manager). Our distinguished team is also part of Oracle Product Advisory Board, where we collaborate with Oracle product teams on how to build future releases, by addressing challenges that customers face with the technology. We are part of the Oracle Beta Team and are provided access to Oracle's new product beta releases, before they are released to customers. We have also performed Joint Product Development activity with Oracle Product Teams on Oracle Identity Governance. We are currently Oracle's Product Development Partner for Security suite of products.***

***In addition to our strong partnership and deployment and product competence with Oracle IAM technology, below are some of our salient differentiators:***

- ***Industry's leading software solution – Oracle IAM products. As per Gartner, Oracle has the most comprehensive, best of breed solution with all major feature functionality.***
- ***Software solution built on Complete, Open, Flexible and integrated identity platform.***
- ***Proven Public-Sector Industry leading software solution with more than 11,000+ Oracle IAM customers globally.***
- ***Lowest Risk with Oracle – Oracle is an industry leading solution with multiple application integrations provided out of box, and hence integration with Oracle IAM would be an out of box low risk approach.***
- ***Pre-built migration utilities that help in easy solution migration across environments***
- ***Fine-tuned for migrating OOTB attributes, workflows, customizations***

*Provide a brief description of the length of time vendor has been providing services described in this RFP to the public and/or private sector.*

***Mythics is an Oracle partner of the year, an award-winning Oracle Systems Integrator and an elite Oracle Platinum Resale Partner. Mythics represents the full catalog of Oracle cloud, software, hardware, Engineered Systems, appliances, training and support products. Since our inception in 2000, Mythics has been 100% dedicated to providing Oracle products and services. For over 17 years, we have supplied Oracle solutions and provided consulting services and emerged as one of Oracle's most qualified and experienced solution providers. Mythics has become an Oracle leader in North America in technical and functional expertise and has grown to be a trusted IT advisor to thousands of organizations worldwide who conduct business in a wide range of sectors and has completed 1100+ projects.***

***As a global IT services provider and full-service Oracle integrator, Mythics offers and delivers a full range of end-to-end Oracle solutions in support of our customer's business goals and mission success. Within the consulting services, Mythics delivers custom IT solutions through our Consulting and Managed Services organizations. Our business model encompasses deep knowledge of Oracle technologies and business processes that allow us to incorporate expertise across a full range of Oracle cloud, software, hardware, Engineered Systems and storage. This enables our experienced staff to leverage business capability and the Oracle technology necessary for success. For more information, visit mythics.com.***

***Mythics is an award winning systems integrator that delivers end-to-end IT solutions with unique expertise in Cloud and Cloud migration services, Oracle Core Technology and Engineered Systems, Oracle Fusion Middleware, Oracle Applications and Identity Management and Security.***

***In 2005, Mythics created our Consulting organization which has continually supported our clients' needs and business challenges. This organization is supported by technical experts with real world experience. Their understanding of the business challenges that clients face on a daily basis helps them to work and identify solutions for clients that are cost effective, leverage their previous Oracle investments and look to new Oracle offerings that would maximize the benefits to our clients.***

***Mythics pursues long-term relationships with our clients and provides complete proficiency to cover the entire Oracle stack and other critical technologies vital to the success of your enterprise. The long-term services provided by Mythics range from business planning, solution architecture, implementation and integration services, to managed services and even mission critical emergency response.***

*Federal Tax Identification Number*

***Mythics' Federal Tax ID Number is:*** [redacted]

## 5.4 Vendor Business References

*Vendors shall submit Attachment E, Reference Questionnaire to their business references. Vendors shall provide a minimum of three (3) business references from public sector clients related to Oracle IDM implementation, upgrade, support or other Oracle IDM related projects within the last five (5) years.*
*Business references shall show a proven ability of:*

- *Developing, designing, implementing and/or transferring a large scale application with public and/or private sectors;*
- *Developing and executing a comprehensive application test plan;*
- *Developing and implementing a comprehensive training plan;*
- *Experience with comprehensive project management;*
- *Experience with cultural change management;*
- *Experience with managing subcontractors; and*
- *Development and execution of a comprehensive project management plan.*

***Per Section 5.3.3, Mythics has submitted an Attachment E – Reference Questionnaire to three (3) business contacts for our performance with the 1) Nuclear Regulatory Commission, 2) U.S. Secret Service, and 3) Customs and Border Protection.***

## 5.5 Vendor Staff Skills and Experience

*The vendor shall provide qualified personnel to perform the work necessary to accomplish the tasks defined in Section 4, Scope of Work. The State shall approve all awarded vendor resources. The State reserves the right to require the removal of any member of the awarded vendor's staff from the project.*

***Project Manager Qualifications***

*The Project Manager assigned by the awarded vendor to the engagement shall have:*

- *Demonstrated current and relevant experience managing Oracle software upgrade or implementation project for public sector clients;*
- *A minimum of four (4) years of project management experience, within the last ten (10) years, in government or the private sector;*

- *A minimum of three (3) years of experience, within the last ten (10) years, managing systems architecture and development projects;*
- *A minimum of two (2) years of experience with systems analysis and design;*
- *A minimum of two (2) years of experience with systems development and implementation;*
- *Completed at least one (1) project within the past three (3) years that involved designing business processes and procedures and developing new systems to support the new business processes; and*
- *Completed at least one (1) project within the past three (3) years that involved communication and coordination of activities with external stakeholders.*

***Technical Lead Qualifications***

*The technical lead assigned by the awarded vendor shall have:*

- *Demonstrated current and relevant experience managing Oracle IAM software upgrade or implementation project for public sector clients;*
- *A minimum of four (4) years of experience in systems development, design and programming of automated systems working with Oracle IAM software;*
- *A minimum of two (2) years of experience developing Internet applications;*
- *A minimum of two (2) years of experience managing systems architecture and systems development projects; and*
- *Completed at least (1) project within the past three (3) years that involved conducting a pilot implementation and determining the readiness of the system production*

***Team Mythics fully understands the need to have skilled and experienced consultants leading and implementing projects with the complexity and criticality of an IAM System upgrade. Team Mythics has a large team of highly skilled experts, with experience performing IAM system architecture, implementation, upgrades, and migrations. We have provided resumes for the consultants we are proposing to support this project in "Section VIII – Proposed Staff Resumes".***

### 5.6 Subcontractor Information

- *Subcontractors are defined as a third party, not directly employed by the contractor, who shall provide services identified in this RFP. This does not include third parties who provide support or incidental services to the contractor.*
- *Vendor shall not allow any subcontractor to commence work until all insurance required of the subcontractor is provided to the vendor.*
- *Vendor shall notify the using agency of the intended use of any subcontractors not identified within their original proposal and provide the information originally requested in the RFP in Section 5.2, Subcontractor Information. The vendor shall receive agency approval prior to subcontractor commencing work.*

Does this proposal include the use of subcontractors?

| | | | |
|---|---|---|---|
| Yes | | No | ***X*** |

## 6. Section VIII – Proposed Staff Resumes

*Vendors shall include all proposed staff resumes per* ***Section 5.5, Vendor Staff Resumes*** *in this section. A resume shall be completed for each proposed individual on the State format provided*

*in **Attachment H, Proposed Staff Resume,** including identification of key personnel per **Section 12.3.19, Key Personnel***

***The following page(s) contain Mythics' Proposed Staff Resumes on the State format provided in Attachment H – Proposed Staff Resumes.***

## PROPOSED STAFF RESUME FOR RFP 3490

***A resume must be completed for all proposed prime contractor staff and proposed subcontractor staff.***

| | |
|---|---|
| **Company Name Submitting Proposal:** | ***Mythics, Inc.*** |

| ***Check the appropriate box if the proposed individual is prime contractor staff or subcontractor staff.*** | | | |
|---|---|---|---|
| **Contractor:** | ✓ | **Subcontractor:** | |

| ***The following information requested pertains to the individual being proposed for this project.*** | | | |
|---|---|---|---|
| **Name:** | ***Ravi Saxena*** | **Key Personnel: (Yes/No)** | ***Yes*** |
| **Classification; i.e., Project Manager, Implementation Lead, etc.** | ***Project Manager*** | | |
| **# of Years in Classification:** | ***8*** | **# of Years with Firm:** | ***6*** |

**BRIEF SUMMARY OF PROFESSIONAL EXPERIENCE**

***Information should include a brief summary of the proposed individual's professional experience.***

- Managed P&L for an Oracle software and implementation project portfolio of $40M, including federal government, state and local government and higher education individually ranging from $25K to $13M.
- 10 years project management experience, focused primarily on systems architecture and development projects
- 10 years systems analysis and design experience
- Completed 5+ projects at Mythics in the past 3 years involving designing business processes and procedures and developing new systems to support these processes e.g. Freddie Mac SOA 12c, DOI BSEE Business Intelligence, FDA Eloqua, US Naval Academy Enterprise Upgrade with Identity Management Suite, USACE Enterprise upgrade
- Completed 10+ projects at Mythics in the past 3 years involving communication and coordination of activities with external stakeholders

**RELEVANT EXPERIENCE**

***Information required should include: timeframe, company name, company location, position title held during the term of the project/position and software/hardware used during the project engagement.***

***Mythics Inc Vienna, VA 12/2011 - Present***

**Position: Client Account Manager / Program Manager**

- Established successful, long-term relationships with the many Mythics consulting services "clients", including the customer, the manufacturer and the internal Mythics product team.
- Exhibited consistent dedication to customer service, recognized by clients and throughout the organization – successfully managing 50+ different accounts and Mythics project teams.

***Project: US Army Corps of Engineers (USACE)/Vectrus Enterprise Application and Database Migration, April 2016 - November 2016; October 2017-present***
***Role: Program Manager***
***Technologies: Solaris 11, Oracle Linux, Oracle HTTP Server (OHS), WebLogic/Java, APEX, Forms and Reports, RDBMS 12c, E-Business Suite R12***

- Managed a team of 11 consultants including a Technical Team Lead, Infrastructure, Database and Fusion Middleware skill sets
- Developed project schedule and managed against project milestoness to upgrade over 50 Zones (Virtual Machines) from Solaris 10 to Solaris 11
- Migrated and Upgraded 400+ Oracle Database instances to 12c
- Migrate/Upgrade App-tier spanning over 47 zones running 20+ different profiles consisting of Various Oracle middleware products

***Project: Department of the Interior Bureau of Safety and Environmental Enforcement (DOI BSEE) BI Implementation, May 2015 - January 2016; March 2016 - February 2017***
***Role: Program Manager***
***Technologies: T5-8 SuperCluster, X4-4 Exalytics, Oracle Virtual Machine Manager (OVMM), OBIEE 12c, BI Publisher, RDBMS 12c, Solaris 11, Red Hat Linux***

- Organized and managed team of 6 consultants as well as Oracle field engineers and Oracle ACS engineers to deploy a High Availability (HA) with Disaster Recovery (DR) solution of Oracle SuperCluster and Oracle Exalytics
- Developed Communication Plan and conducted Agile/scrum meetings and delivered executive level monthly status reports
- Worked with Technical Lead to deliver schedule and architecture deliverables as well as a migration plan
- Created and operated a technical help desk service to resolve trouble tickets prior to Go-Live
- Assisted the customer above and beyond with the Oracle Platinum Gateway install

***Project: USDA Forest Service Content Management migration and maintenance, June 2013 - present***
***Role: Program Manager***
***Technologies: Red Hat Linux, Oracle Content Database / Universal Content Management, RDBMS 11gR2***

- Managed and grew of team of 3-5 consultants including Content Management SME, Content Architect and Database Administrators
- Migrated a 165 TB content system from UCM to Content Management
- Migrated this Content Management to a Amazon Web Services / IBM Box solution
- Received consistent exemplary remarks on the team's performance throughout the engagement

***Project: US Health and Human Services Army Surgeon General (HHS-ASG) Exadata Rapid Success, October 2014 - May 2015; October 2016 - present***
***Role: Program Manager***
***Technologies: Oracle Exadata X4-2, Oracle Enterprise Manager 12c (OEM), RDBMS 11gR2***

- Managed a team consisting of Oracle field engineers and Oracle ACS as well as Mythics Exadata consultants
- Deployed the Exadata successfully in the Pentagon
- Deployed OEM 12c with Exadata plug-ins and migrated database successfully from legacy system to Exadata
- Earned customer trust for follow-on work to complete a physical move of the Exadata to new location and software refresh

***McDean, Chantilly, VA 1/2009 – 11/2011***
***Project Manager***

- Developed Project Management Plan modeled after PMI standards as well as the Operations and Sustainment Plan for the $40M SMS program.
- Developed and maintained the SMS program master schedule in MS Project, including linked schedules and third-party dependencies
- Managed, developed and mentored the Systems Engineering team in line with CMMI Level 3 standards. Team included requirements engineers, configuration specialists, software engineers, design engineers and CAD drafters, network and systems engineers, logistics personnel
  - Team deployed a $60M enterprise system with physical servers, virtual servers, NAS and over 50 SMS workstations, all requiring DISA lockdowns and information assurance.
  - Team developed a standardized process for the generation of test procedures for factory acceptance testing and performance testing. Successfully led 5 FAT demonstrations and guided over 50 on-site performance tests.
  - Led team in development of Systems Requirements and Requirements Traceability Matrix.
  - Guided software development efforts throughout the SDLC.
- Handled performance evaluations, timesheet/expense approvals and all personnel issues.
- Managed subcontractors such as ManTech, SoftwareHouse and Smith & Wesson Security Solutions. Managed communications between partners such as General Dynamics as well as across multidisciplinary M.C. Dean divisions (construction and electrical, networking, logistics, purchasing).

- Formally recognized by SPAWAR Atlantic for support in establishing a new Intelligence Agency headquarters security system.
- Formally recognized for systems engineering efforts towards CMMI Level 3 certification of SPAWAR Atlantic

## EDUCATION

***Information required should include: institution name, city, state, degree and/or Achievement and date completed/received.***

University of Maryland 2002 **B.S. Business, Information Sciences**.

## CERTIFICATIONS

***Information required should include: type of certification and date completed/received.***

- ITILv3 Foundation certification, issued October 2015
- Agile Scrum Master (**CSM**) certification, issued November 2015
- Project Management Professional (**PMP**) certification, issued January 2010

## HARDWARE/SOFTWARE SUMMARY (BE SPECIFIC)

***Information required should include: environments, hardware, software, tools and databases.***

Oracle Identity and Access Management (IAM) Suite 11gR1 / R2, Oracle IAM 12c: Oracle Virtual Directory 12c, Oracle Access Manager (OAM) 12c
Oracle HTTP Server (OHS) 12c, Oracle Weblogic Server (WLS) 12c, Oracle Enterprise Manager (OEM) 12c/13c, Oracle RDMBS 12c
Windows 7, Solaris 11.x, Oracle Enterprise Linux, Red Hat Linux
MS Visio 2017, MS Project 2017, MS Office 2017
Oracle Exadata X5-2, X4-2, Oracle SuperCluster T5-8, Oracle Exalytics X6-4, X4-4

## REFERENCES

***A minimum of three (3) references are required, including name, phone number, fax number and email address.***

Insert here a minimum of three (3) references with the above information.

| |
|---|
| ***Name:*** Tom Hall, Old Dominion Freight Line, DBA / Project Manager<br><br>***Phone Number:*** (336) 822-5111<br>***Fax Number: n/a***<br>***Email:*** thomas.hall@odfl.com |
| ***Name:*** Ferdinand Raguindin, Army Surgeon General, Project Manager<br><br>***Phone Number:*** 703-681-5862<br>***Fax Number: n/a***<br>***Email:*** ferdinand.m.raguindin.civ@mail.mil |
| ***Name:*** Ben Bjorge, Booz Allen Hamilton/Environmental Protection Agency<br>***Phone Number:*** 703-902-5814<br>***Fax Number: n/a***<br>***Email:*** bjorge_benjamin@bah.com |

---

## PROPOSED STAFF RESUME FOR RFP 3490

***A resume must be completed for all proposed prime contractor staff and proposed subcontractor staff.***

| | |
|---|---|
| **Company Name Submitting Proposal:** | ***Mythics, Inc.*** |

| ***Check the appropriate box if the proposed individual is prime contractor staff or subcontractor staff.*** | | | |
|---|---|---|---|
| **Contractor:** | ✓ | **Subcontractor:** | |

| ***The following information requested pertains to the individual being proposed for this project.*** | | | |
|---|---|---|---|
| **Name:** | ***Jim Zhou*** | **Key Personnel: (Yes/No)** | ***Yes*** |
| **Classification; i.e., Project Manager, Implementation Lead, etc.** | ***Oracle IAM Architect*** | | |
| **# of Years in Classification:** | ***10*** | **# of Years with Firm:** | ***1*** |

| **BRIEF SUMMARY OF PROFESSIONAL EXPERIENCE**<br>***Information should include a brief summary of the proposed individual's professional experience.*** |
|---|

***Mr. Zhou is a specialist on Oracle Identity Management, Fusion Middleware and Service Oriented Architecture. For the last 20 years, he has served as Chief Architect or CTO on various Fortune 500 companies and Government sector. His expertise is on SOA, Fusion Middleware, ESB, Portal Design, Identity Management and Enterprise Security.***

| **RELEVANT EXPERIENCE**<br>***Information required should include: timeframe, company name, company location, position title held during the term of the project/position and software/hardware used during the project engagement.*** | |
|---|---|
| **Security and Exchange Commission (SEC)** Washington, DC | **08/2017 – Present** |

**Oracle Identity & Access Management SME**

- Architect, design, and build Oracle IAM PS3 environments (OIM, OAM, OUD, OAAM)
- Migrate policies, configurations, jobs, customizations, and jobs from PS2 to PS3
- Integrate Oracle IAM with Active Directory and OUD
- Integrate OIM with WebCenter Portal, Oracle BI Publisher, and other applications.

**Environment**: **Oracle OIM 11gR2 PS3, SAP HR.**

**LAWA** Los Angeles, CA **04/2017 – 8/2017**

**Oracle OIM Architect**

- Design OIM solution for Active Directory and Exchange Server.
- Write custom Event Handler, OIM Plug-in, and Scheduled Jobs.
- Integrate OIM with SAP HR.

**Environment**: **Oracle OIM 11gR2 PS3, SAP HR.**

**Sentara Healthcare** Virginia Beach VA **08/2016 – 04/2017**

**Oracle OIM Architect**

- Design OIM solution for Active Directory and Exchange Server.
- Write custom Event Handler, OIM Plug-in, and Scheduled Jobs.
- Integrate OIM with PeopleSoft.
- Integrate OAM with OIM.
- OBIEE/BI development to generate OIM reports.

**Environment**: **OAM 11gR2 PS3**, **Oracle OIM 11gR2 PS3, OBIEE/BI.**

**Wells Fargo** Charlotte NC **01/2016 – 08/2016**

**Oracle OIM Architect**

- Design OIM solution for Database and BoKS provision.
- Develop BoKS connector for OIM 11gR2 PS3.
- Migrate OIM 11gR2 PS2 to PS3.
- Integrate OAM with OIM.
- OBIEE/BI development to generate OIM reports.

**Environment**: **OAM 11gR2PS3**, **Oracle OIM 11gR2 PS3, Oracle SOA Suite 11g, OBIEE/BI.**

**Ameren** St Louis MO **01/2015 – 01/2016**
.

**Oracle OIM Architect**

- Migrate Sun IDM to Oracle OIM 11gR2 PS3.
- Oracle OIM customization using ADF and SOA composite.
- OBIEE/BI development to generate OIM reports.

**Environment**: **Oracle OIM 11gR2 PS3, Oracle SOA Suite 11g, OBIEE/BI.**

| **Alliant Energy (**OBIEE/BI development **PwC)** | Madison WI | **09/2014 – 01/2015** |
|---|---|---|

**Oracle SOA EAI Architect**

- SOA EAI Integration between various IT systems with Oracle CC&B.
- SOA BPEL and OSB development using JDeveloper and OSB Eclipse Plugin.
- OBIEE/BI development.

**Environment**: **Oracle SOA Suite 11g, Oracle Service Bus 11g, Oracle CC&B, OBIEE/BI.**

**Obamacare Web Site (Healthcare.gov)** Washington DC **01/2014 – 09/2014**

**Enterprise Oracle Identity Management Architect**

- Help improve performance and scalability of Healthcare.gov.
- Architect EIDM (Enterprise Identity Management) for CMS and Healthcare.gov.
- OBIEE/BI development to generate OIM reports.

**Environment**: **Oracle Identity Management Suite 11gR2 (OIM, OAM, OAAM, OID, OVD), Oracle SOA Suite 11g, Oracle Service Bus 11g, Oracle WebCenter/UCM/ADF, OBIEE/BI.**

**Johnson Control, Inc.** Milwaukee, Wisconsin **10/2013 – 01/2014**

**Oracle Identity Management Architect**

- Architect AIOLOS Security Architecture.
- SSO Integration between Siteminder, OAM 11gR2 PS1, EBusiness Suite 12.1.3, AccessGate 1.2.2.
- Identity Governance using OIM/OIA.
- OBIEE/BI development to generate OIM reports.

**Environment**: **Oracle EBusiness Suite R12**, **Oracle Identity Management Suite 11gR2 (OIM, OAM, OAAM), OBIEE/BI.**

**Cummins** Columbus, Indiana **05/2013 – 10/2013**

**Oracle Identity Management Architect**

- Migrating Waveset (Sun Identity Manager) to OIM 11gR2 PS1.
- Help Architect and Design Oracle Access Management 11gR2.
- Implement OIA 11.1.1.5 and migrate to OIG 11gR2 PS1.
- SSO Integration between OAM 11gR2 PS1, EBusiness Suite 12.1.3, AccessGate 1.2.2.
- Identity Governance using OIA (Sun Role Manager, Oracle Role Manager)
- OBIEE/BI development to generate OIM reports.

**Environment**: **Oracle EBusiness Suite R12**, **Oracle Identity Management Suite 11gR2 (OIM, OAM, OAAM), OBIEE/BI.**

**US Army MEPCOM** Chicago, IL **03/2013 – 05/2013**

**Oracle SOA Architect, Oracle Identity Management Architect**

- Implement MEPCOM SOA using Oracle Fusion Middleware.
- Implement Identity Management Solution using OAM and OIM 11gR2.
- OBIEE/BI development to generate OIM reports.

**Environment**: **Oracle Identity Management Suite 11gR2 (OIM, OAM, OAAM), OID, OVD, Oracle SOA Suite, Oracle Service Bus, OBIEE/BI.**

**Alberta Blue Cross (Oracle Consulting Service)** Edmonton, CA **02/2013 – 03/3013**

**Oracle Identity Management Architect**

- ABC Fusion Middleware Infrastructure 11g Health Check.
- Review ABC's IDM Implementation (OAM 11g and OIM 11g).
- Review Oracle WebCenter Portal.
- Review Oracle UCM.

**Environment**: **Oracle Identity Management Suite 11gR2 (OIM, OAM), OID, OVD, Oracle UCM, Oracle WebCenter Portal.**

**Westar Energy** Topeka, KS **08/2012 – 02/2013**

**Oracle SOA Architect, Oracle IDM Architect**

- **OBIEE Development**.
- SOA Integration with PeopleSoft.
- SOA Suite BPEL Development.
- Oracle OSB Development.
- Data Integration using ODI.
- Oracle OAM 11g and Oracle OIM implementation.

**Environment**: **Oracle Identity Management Suite 11g (OIM, OAM), OBIEE**, **Fusion Middleware, Oracle SOA Suite 11g, Oracle OSB 11g, OER, OSR, PeopleSoft, ODI 11g, OBIEE/BI.**

**Enbridge** Calgary, Canada **08/2012 – 11/2012**

**WebCenter Architect, Oracle SOA Architect**

- Help design and architect Enbridge PipeLink System.
- Integrate WebCenter with OIM/OAM.
- Oracle AIA Development.
- Oracle BPEL Development.
- ADF/UCM Development.
- Oracle OSB Development.

**Environment**: **Fusion Middleware, Oracle WebCenter 11g, UCM, Oracle AIA, OIM 11g, OAM 11g, OVD, OID, Oracle SOA Suite, Oracle OSB.**

**US Army** Huntsville, AL **03/2012 – 08/2012**

**WebCenter Portal Architect, OIM/OAM Architect**

- Help design and architect LOGSA Army Portal (https://ohspro.logsa.army.mil/liwportal).
- OIM 11g full life cycle implementation.
- OAM 11g, OES Development and Administration.
- ADF/UCM Development.

**Environment**: **Fusion Middleware, Oracle WebCenter 11g, UCM, OIM, OAM, OVD, OID, OES.**

**Agilent** Santa Clara, CA **10/2011 – 03/2012**

**WebCenter Architect, Oracle Identity Management Architect**

- Help design and architect myAgilent (http://www.home.agilent.com/myagilent).
- Integrate WebCenter with OIM/OAM.
- Integrate WebCenter with Siebel.
- ADF/UCM Development.
- Oracle E-Business Suite R12.

**Environment**: **Fusion Middleware, Oracle E-Business Suite R12, Oracle WebCenter 11g, UCM, OIM, OAM, OVD, OID, Siebel.**

**BMC Software** Houston **08/2011 – 11/2011**

**SOA Architect**

- Help design and architect BMC's MDM C2O project.
- Enterprise SOA Governance using OER and OSR.
- SOA Integration using Oracle SOA Suite and webMethods.
- Oracle WebCenter 11g/UCM.

**Environment**: **Fusion Middleware, Oracle SOA Suite 11g, Oracle AIA, Oracle WebCenter 11g, UCM, OSR/OER, webMethods, Siebel, Informatica.**

**FDA** DC **01/2011 – 08/2011**

**SOA Solution Architect, Oracle Identity Management Architect**

- Help design and architect FDA MARCS system using Oracle SOA Suite 11g, Oracle WebCenter and **Oracle Identity Management 11g**
- Enterprise Portal using WebCenter.
- Oracle ADF/UCM.

**Environment**: **Fusion Middleware, Oracle SOA Suite 11g (OSB and BPMS), Oracle AIA, Oracle WebCenter 11g, UCM, Oracle Identity Management 11g (OAM,OIM,OIA,OES,OVD,etc.).**

**10/2010 – 01/2011**

**Deutsche Bank** New York

**SOA Solution Architect**

- Help migrating Oracle SOA Suite 10g to 11g
- Oracle BPMS 11g performance tuning.

**Environment**: **Fusion Middleware, Oracle SOA Suite 11g, Oracle AIA, Oracle BPMS 11g.**

**US Cellular** Chicago **04/2010 – 10/2010**

**SOA Solution Architect**

- SOA Governance using Oracle SOA Governance Suite (OER, OSR, OWSM & **Amber Point**)
- Design and Development using OSB and **BPEL**.
- SOA Center of Excellence (SOA Reference Architecture, etc).
- Portal Development using Oracle WebCenter and Oracle UCM.
- Migrate Oracle SOA Suite 10g to Oracle SOA Suite 11g, develop Oracle AIA application with Oracle SOA 11g.

**Environment**: **Fusion Middleware, Oracle AIA, Oracle SOA Suite 11g, Oracle WebCenter, Oracle UCM, OSB 11g, OER, OSR, OWSM, Amber Point, SOA Governance.**

**Verizon** Tampa, Florida **03/2010 – 04/2010**

**Oracle Consulting Service Product Expert**

- Work with Oracle A-team on WebCenter Performance Tuning.
- Integrate OES with WebCenter.
- Porting WebLogic Portal to WebCenter.
- Configure Oracle Coherence for Portal.

**Environment**: **WebCenter Suite, Oracle UCM, Oracle Virtual Directory, Oracle Entitlement Server, Coherence.**

**03/2009 – 02/2010**

**MedImmune** Washington DC

**SOA Solution Architect**

Help design and implement MedImmune eClinical.

- SOA Enterprise Architecture Design
- Develop eClinical's SOA Architecture using Oracle SOA Suite (**BPEL**, OSB, B2B, etc) and **Oracle AIA**.
- Develop ETL using ODI.
- Develop MedImmune Intranet Portal using Oracle WebCenter and Oracle UCM.

**Environment**: **Oracle AIA**, **Oralce WebCenter, Oracle UCM, Oracle SOA Suite 10g, ODI, and Oracle BPA Suite.**

**Charter Communication** St Louis, MO **12/2008 – 03/2009**

**Portal Architect**

Help design and implement Charter Communication's CAP.

- Portal and ALSB Architecture Assessment
- Develop Charter's SOA Architecture using ALSB 3.0.
- Develop Customer Access Portal using Oracle WebCenter.
- Integrate Oracle Coherence with Oracle WebCenter

**Environment**: **Oracle WebCenter**, **ALSB 3.0, WLP 10.2, Oracle Coherence.**

**Dell** Austin, Texas **02/2008 – 12/2008**

**SOA Solution Architect**

Help design and implement Dell's SOA strategy using ALSB 3.0, ALBPM 6.0, and ALER 3.0, ALSR 3.0, **ALSM (Amber Point).**

- SOA Governance using ALER 3.0, ALSR 3.0, **ALSM (Amber Point).**
- Work on Dell's ALBPM projects, mentor Dell team on ALBPM design and development.
- Amber Point Set up and Configuration.

**Environment**: **ALSM (Amber Point), ALBPM 6.0, ALSB 3.0, ALER 3.0, ALSR 3.0.**

**09/2007 – 02/2008**

**Monsanto** St Louis, MO

**Chief SOA Architect**

Help design and implement Monsanto's SOA strategy using ALSB 2.6, ALBPM 6.0, ALSR 3.0, and ALER 3.0.

- Define Monsanto's SOA architecture, built B2B e-Commerce with ALSB 2.6, webMethods.
- Build SOA Security Architecture with SAML, WS-Security.
- Help architect Monsanto's ALBPM applications.
- Define Monsanto's SOA Governance process using ALSR 3.0 and ALER 3.0.
- Single Sign On between SAP Portal, ESB and Web Service Tier using CA's SiteMinder.

**Environment**: **SiteMinder**, ESB, **ALSB 2.6, ALBPM 6.0, ALSR 3.0, ALER 3.0, SAP IDOC, webMethods, ebXML, B2B.**

**Hilton** Memphis, TN **06/2007 – 09/2007**

**Chief SOA Architect**

Lead a BEA team of 4 to implement Hilton's SOA strategy using ALSB, ALDSP, ALBPM 6.0 (Fuego), and WLP.

- Use ALSB to expose Hilton's Reservation XML Service.
- Help architect Hilton's new Portal using WLP 10.
- Use ALDSP to aggregate Hilton Honor data and Hilton's CRM system

**Environment**: **ALSB 2.6, WLP 10, ALDSP 2.5, ALBPM 6.0.**

**Deutsche Bank** New York, NY **01/2007 – 06/2007**

**Chief SOA Architect**

Help Architect Deutsche Bank's SOA Portal Strategy.

- Build SOA Portal using WSRP.
- Architect SOA Business Tier using REST Web Service.
- Build Web Service Repository using AquaLogic Service Registry (UDDI).
- Develop SOA Governance using AmberPoint.

**Environment**: **WLP 9.2**, **ALSR, AmberPoint, Oracle, Sun.**

## EDUCATION

***Information required should include: institution name, city, state,***

***degree and/or Achievement and date completed/received.***

***Masters of Science, Computer Engineering, University of Missouri, Columbia***

**CERTIFICATIONS**
***Information required should include: type of certification and date completed/received.***

- Oracle Access Manager 11g Certified Implementation Specialist
- Oracle Identity Governance 11g Certified Implementation Specialist
- Oracle SOA Suite Implementation Specialist
- Oracle WebCenter Portal Implementation Specialist

**HARDWARE/SOFTWARE SUMMARY (BE SPECIFIC)**
***Information required should include: environments, hardware, software, tools and databases.***

***Languages***: C++, Java, XML, UML, ADF

***Operating Systems***: UNIX (Solaris, HP-UX, AIX, LINUX), Windows NT

***Tools***: Oracle OAM 11g, Oracle OIM 11g, Oracle OID 11g, Oracle OVD 11g, Amber Point, SiteMinder 6.0, Rational RUP, Oracle WebCenter 11g, Oracle UCM 11g, Documentum, Intervowen (Teamsite, OpenDeploy), WebSphere Application Server 5.0, Oracle OSB 11g, Oracle SOA Suite 11g, Oracle OER 11g, Oracle OSR 11g, webMethods, Oracle Coherence, Oracle ADF, Oracle Process Cloud.

***Other***: J2EE, ebXML, Web Service (SOAP, WSDL, UDDI), Tuxedo, TogetherJ, CORBA, IBM MQ Series, LDAP, PeopleSoft HRMS, PeopleSoft Financial

**REFERENCES**
***A minimum of three (3) references are required, including name, phone number, fax number and email address.***

Insert here a minimum of three (3) references with the above information.

| |
|---|
| ***Name: Amish Munshi***<br>***Phone Number: (415) 573-2468***<br>***Fax Number: N/A***<br>***Email: amunshi@kavalus.com*** |
| ***Name: Seth Ely***<br>***Phone Number: 765-860-8774***<br>***Fax Number: N/A***<br>***Email: seth.ely@dentalhero.com*** |
| ***Name: Vinayak Wagle***<br>***Phone Number: 240-593-1180***<br>***Fax Number: N/A***<br>***Email: vinayak.wagle@sysdatalogics.com*** |

---

# PROPOSED STAFF RESUME FOR RFP 3490

***A resume must be completed for all proposed prime contractor staff and proposed subcontractor staff.***

| | |
|---|---|
| **Company Name Submitting Proposal:** | ***Mythics, Inc.*** |

| ***Check the appropriate box if the proposed individual is prime contractor staff or subcontractor staff.*** | | | |
|---|---|---|---|
| **Contractor:** | ✓ | **Subcontractor:** | |

| ***The following information requested pertains to the individual being proposed for this project.*** | | | |
|---|---|---|---|
| **Name:** | ***Anton Bondar*** | **Key Personnel: (Yes/No)** | ***No*** |
| **Classification; i.e., Project Manager, Implementation Lead, etc.** | ***Oracle IAM Consultant*** | | |
| **# of Years in Classification:** | ***5*** | **# of Years with Firm:** | ***3*** |

## BRIEF SUMMARY OF PROFESSIONAL EXPERIENCE

***Information should include a brief summary of the proposed individual's professional experience.***

***Mr. Bondar has 9+ years of technology consulting focused on Oracle Fusion Middleware Architecture, Identity and Access Management Solutions Software Design and Development, Enterprise Content Management (ECM) with Oracle WebCenter.***

***Field of Experience***. Fusion Middleware Architecture specializing in Identity and Access Management, WebLogic Server, WebCenter Content and WebCenter Portal framework.

***Solution Design***. Designing custom business processes within WebCenter. Developing architectural solutions for Fusion Middleware. Designing and implementing secure access to enterprise resources using Oracle Identity and Access Management Suite.

***Integration***. Developing interoperability within various environments. Implementing run-time logic augmenting technologies. Cross-platform integrations.

***Support***. Providing support on how to use and maintain developed solutions

## RELEVANT EXPERIENCE

***Information required should include: timeframe, company name, company location, position title held during the term of the project/position and software/hardware used during the project engagement.***

**MYTHICS INC 2014 – Present**
**Oracle Fusion Middleware Consultant**

**Project: Securities and Exchange Commission**
Role: Oracle Identity and Access Management Consultant
Duration: 5/2017 - Present

Technologies: OIM, OAM, OAAM, OVD, OUD, WebCenter Portal, WebCenter Content, ADF
Activities:

- Installation, configuration, customization, deployment, and support of Oracle IAM 11gR2 PS3 in Development, Test, Stage and Production environments
- Development of custom login page for OAM DCC to support self-service registration and password management, integrated with Oracle Identity Manager
- Configure OIM Connectors with Oracle Active Directory and OID/OUD
- Integration of Oracle IAM stack with Oracle WebCenter and SOA Suite applications
- Migration of Oracle IAM 11gR2 PS2 artifacts and user data into 11gR2 PS3
- Support installation, configuration, and deployment of Oracle WebCenter Portal, WebCenter Content, and SOA Suite, including application deployments.

**Project: Eclipsys / Royal College of Physicians and Surgeons of Canada**
Role: WebCenter Content SME
Duration: 10/2016 to 07/2017
Technologies: WebCenter Content and Records 12c, Oracle Access Manager, Oracle Identity Manager
Activities:

- Designed Customer Metadata Model to accommodate customer's content requirements.
- Performed migration of content, workflows, and integrations from legacy systems
- Implemented Custom Content Profiles.
- Designed and implemented Records Management solution for customer's Contract type of record on top of WebCenter Content 12c.
- Implemented Single Sign-On (SSO) and user provisioning through OAM and OIM 11g
- Demoed the product and the solutions to the stakeholders.

**Project: City of Knoxville, TN**
Role: Oracle Fusion Middleware SME/Developer
Duration: 12/2016 to 2/2017
Technologies: Java, SOAP, Oracle Forms 11g, HTTPS, Credential Store Framework
Activities:

- Developed a Java facade solution for Oracle Forms 11g to allowed to integrate with the LexisNexis Payment Solutions Web Service via SOAP.

**Project: New York State Workers' Compensation Board**
Role: Oracle WebCenter Content SME
Duration: 01/2015 to 06/2015
Technologies: Stellent 7.x , WebCenter Content 11g with WebCenter Content UI 11g
Activities:

- Executed ECM modernization and migration efforts that allowed the new system to utilize the latest WebCenter Content UI
- Developed custom scripts to capture legacy taxonomies
- Developed custom scripts to provision classification structures in the new environment
- Facilitated content, workflow, user data, and customization migration efforts

**Project: Eclipsys / Royal College of Physicians and Surgeons of Canada**
Role: WebCenter Content SME/developer
Duration: 03/2015 to 05/2015
Technologies: WebCenter Portal 11g, ADF 11g, JDeveloper 11g
Activities:

- Built a proof of concept "Unleash The Content" website utilizing WebCenter framework.

**Project: Georgia Department of Human Services**
Role: Oracle WebCenter Enterprise Capture SME/Developer
Duration: 03/2016 to 05/2016
Technologies: WebCenter Enterprise Capture 11g
Activities:

- Customized User Interface to better fit business-requirements for taxonomy and classification of user experience.
- Developed a proxy SOAP-to-REST J2EE Servlet for data retrieval and validation from a 3rd party WSDL via 2-way-SSL.

**Project: TMG / Judicial Court of California**
Role: Oracle Process Cloud Service Developer
Duration: 08/2016 to 05/2017
Technologies: Oracle Process Cloud Service, Oracle Documents Cloud Service, Oracle Social Network Service
Activities:

- Developed Web Form and Web Rules to fulfill business needs.
- Integrated Web Forms with other Oracle Cloud Services like Document Cloud Service and Oracle Social Network.

**Project: Mythics Consulting**
Role: Oracle WebCenter Content and Portal SME
Duration: 2015-2017
Technologies: WebCenter Content 11g and 12c, WebCenter Portal 11g and 12c, Oracle HTTP Server 11g, Oracle Enterprise Linux 6 and 7
Activities:

- Designed and Implemented two Oracle Virtual Appliances of the WebCenter 11g and 12c stack.

- Providing an on-going support.

**Project: United States Naval Academy**
Role: Oracle IDM SME
Duration: 01/2015 to 09/2015
Technologies: Oracle Access and Identity Management 11g, Solaris 10, Oracle HTTP Server 12c, Apache JMeter
Activities:

- Provided technical expertise for the ERP Modernization project to secure existing web application.
- Configured WebTier tools with OAM WebGate.
- Collaborated on creation of a custom plugin for OVD to accomodate authentication into legacy PL/SQL applications.
- Pre-production release stress testing with JMeter.

**Project: United States Department of Education**
Role: Oracle IDM SME
Duration: 06/2015 to 10/2015
Technologies: Oracle Access and Identity Management 11g, AspectJ
Activities:

- Provided technical assistance for OAM integration with E-Business Suite.
- Developed custom AspectJ code to assist in troubleshooting efforts of E-Business Suite integration with OAM's Access Gate.

**Project: United States Secret Service**
Role: Oracle IDM SME
Duration: 01/2016 to 04/2016
Technologies: Oracle Access and Identity Management 11g, Oracle HTTP Server 11g
Activities:

- Co-authored various technical documentation for the Active Directory integration with E-Business Suite that required implementation of Oracle Access and Identity Management stack

**Project: Federal Law Enforcement Training Centers**
Role: Oracle IDM Consultant/SME
Duration: 10/2015 to 05/2016
Technologies: Oracle Enterprise Single Sign-On 11g.
Activities:

- Implemented Single Sign-On solution for existing legacy web applications.
- Developer Powershell scripts to assist enterprise-wide deployment.

**REDSTONE CONTENT SOLUTIONS 2010-2013**
**Principal Consultant**

### Customer Education

- Technologies involved: Oracle UCM 10gR3, Oracle WebCenter 11g UCM, Red Hat Enterprise Linux, Oracle Database. Created estimates and architected a new infrastructure for the customer.

### Customer Manufacturing

- Technologies involved: Oracle WebCenter 11g UCM/WCM/SSXA, Oracle Enterprise Linux, Oracle Database, jQuery, iPlanet. Created estimates and developed a divisional dotcom website with ability to allow for future reuse of the site framework with other brands within a company.

### Customer Government

- Technologies involved: Oracle UCM 10gR3, WebCenter Content 11g, Microsoft Windows, Microsoft SQL Server. Designed and developed a set of custom Content Server components to facilitate business specific needs. Upgraded existing 10gR3 component to ensure their compatibility with 11g.

### Customer Manufacturing

- Technologies involved: Stellent 7.x UCM/WCM/SSXA, Oracle WebCenter Content 11g, Microsoft SQL Server
- 2003/2008. Provided detailed estimates for the 11g upgrade statement of work. Lead a team of 3 to perform the upgrade. Provided technical support and mentoring of customer's staff.

### Customer Fortune 500

- Technologies involved: Oracle WebCenter Content 11g UCM/WCM, WebLogic, Oracle OHS. Created a customer specific framework for simplified handling of Content Rules and Profiles. Developed a set of standalone SSXA web applications for integration into customer's portal. Provided guidance to customer's business analysts.

**MIDLAND INFORMATION RESOURCES 2007-2010**
**Systems Integration Engineer**

### Customer Manufacturing

- Technologies involved: Oracle UCM/WCM, Microsoft SQL server 2003/2005, Apache web server. International Internet presence infrastructure; Assisted with development of metadata structure, security model, contribution/consumption experience for internal and external users; Worked with a design firm to implement stringent branding and other particular for UI. Customizations where required within core Content Server and WCM tools.

### Customer Government

- Technologies involved: Oracle UCM/WCM. Developed a Site Studio site with advanced functionalities for external users; Developed custom fragments utilizing DHTML and jQuery technologies. Fragments include things such as a custom image rotator, navigation, static/dynamic lists and custom contribution sections.

### Customer Manufacturing

Technologies involved: Oracle UCM/WCM. Developed a custom content server component that would traverse an XML file created from Oracle's Folio component and render it to navigation. This navigation is then used to wrap around the existing content server pages to maintain a consistent look and feel across the content server and their intranet.

## EDUCATION

***Information required should include: institution name, city, state, degree and/or Achievement and date completed/received.***

***B.S. Computer Science, University of Iowa, Iowa City, IA, May 20072007***

## CERTIFICATIONS

***Information required should include: type of certification and date completed/received.***

- Oracle Application Development Framework (ADF) 12c Specialist – 2017
- Oracle Access Manager 11g Certified Implementation Specialist – 2016
- Oracle WebCenter Content 11g Certified Implementation Specialist – 2016
- Oracle WebCenter Portal 11g Certified Implementation Specialist – 2016
- Oracle Documents Cloud Service Specialist – 2016
- Oracle WebCenter Sites 11g for Developers – 2014
- Oracle Fusion Middleware 11g: Build Applications with ADF Accelerated Ed 2 – 2013
- Advanced IT Pro Course for Microsoft SharePoint Server 2010 – 2009
- Advanced SharePoint 2007 Development – 2008
- Building portals and managing content with Microsoft SharePoint 2007 – 2008
- Oracle Stellent 10gR3: Content Server Customization – 2008
- Oracle Stellent 10gR3: Content Server Administration – 2008

## HARDWARE/SOFTWARE SUMMARY (BE SPECIFIC)

***Information required should include: environments, hardware, software, tools and databases.***

***Identity & Access Management***: Oracle IAM 11gR2 PS2 and PS3 Oracle Access Management, Oracle Adaptive Access Manager, Oracle Internet/Unified Directory, Oracle Virtual Directory, Oracle Identity Manager, OAM integration with Oracle E-Business Suite, Oracle Enterprise Single Sign-On, OAM Custom Plug-in Development, Kerberos and SPNEGO based Single Sign-On (WNA)

***Development languages***: Java, AspectJ, JSP/JSTL, ADF Faces, HTML, CSS, IdocScript, C#, PowerShell, Unix shell scripting, Groovy

***Web/Application Servers***: Oracle WebLogic 11g and 12c, Apache, Tomcat, Microsoft IIS (Internet Information Services)

***Enterprise Content Management and Portal***: Document Content Management, Web Content Management, Digital Asset Management, Data migration planning and automation (RIDC with Groovy), WebCenter Portal 11.1.1.8 Administration and Development

## REFERENCES

| |
|---|
| ***A minimum of three (3) references are required, including name, phone number, fax number and email address.*** |

Insert here a minimum of three (3) references with the above information.

| |
|---|
| ***Name: Jonathan Hult***<br>***Phone Number: 319-601-9581***<br>***Fax Number: N/A***<br>***Email: Jonathan@jonathanhult.com*** |
| ***Name: Dennis Gibson***<br>***Phone Number: 912-267-2845***<br>***Fax Number: N/A***<br>***Email: Dennis.Gibson@fletc.dhs.gov*** |
| ***Name: William Dana***<br>***Phone Number: 202-377-3973***<br>***Fax Number: N/A***<br>***Email: mailto:William.Dana@ed.gov*** |

## 7. Section IX – Preliminary Project Plan

*The preliminary project plan shall be incorporated into the contract. Vendors must include the preliminary project plan in this section.*
*The first project deliverable is the finalized detailed project plan that shall include fixed deliverable due dates for all subsequent project tasks as defined in Section 4, Scope of Work.*
*The contract shall be amended to include the State approved detailed project plan.*
*Vendors shall submit a preliminary project plan as part of the proposal, including, but not limited to:*

- *Gantt charts that show all proposed project activities;*
- *Planning methodologies;*
- *Milestones;*
- *Task conflicts and/or interdependencies;*
- *Estimated time frame for each task identified in Section 4, Scope of Work; and*
- *Overall estimated time frame from project start to completion for both vendor and State activities, including strategies to avoid schedule slippage.*

***Team Mythics anticipates approximately seven (7) months to complete the NV DETR IAM PS3 Upgrade project. The next four (4) pages outlines a high-level project schedule table view and Gantt chart, which will be further refined and updated during the project initiation and planning phase of the project after award.***

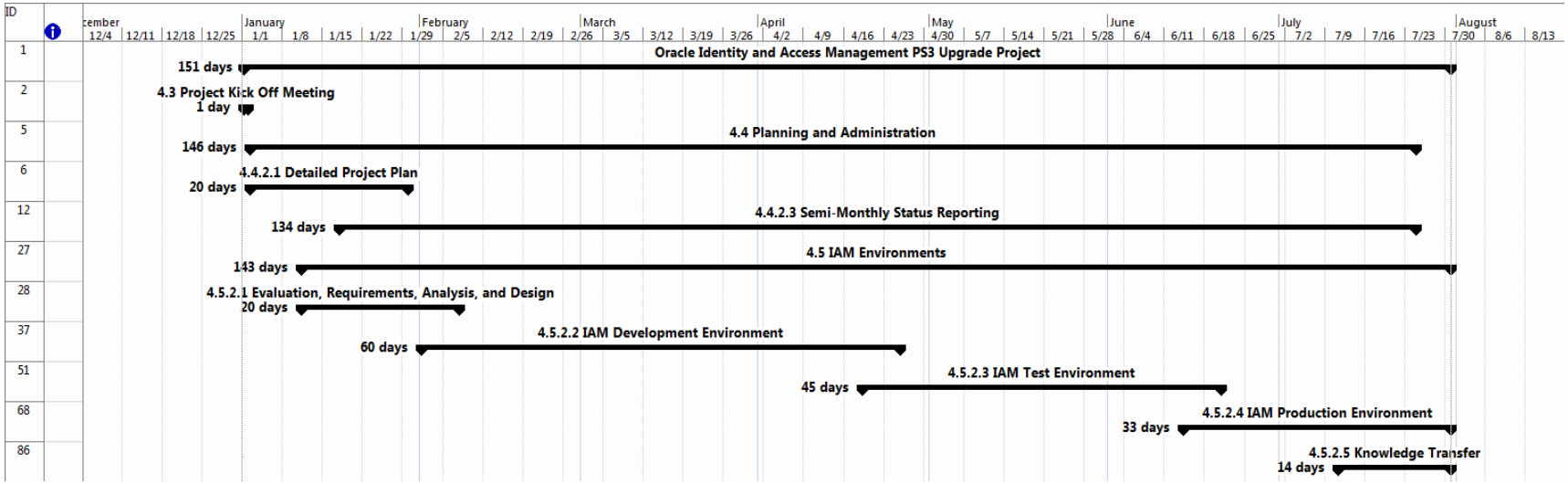



*Figure 4. High-Level Gantt Chart*

| WBS | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| **1** | **Oracle Identity and Access Management PS3 Upgrade Project** | **151 days** | **1/1/18** | **7/30/18** | |
| **1.1** | **4.3 Project Kick Off Meeting** | **1 day** | **1/1/18** | **1/1/18** | |
| 1.1.1 | Project Kick-off Meeting | 1 day | 1/1/18 | 1/1/18 | |
| 1.1.3 | Milestone: Formal Initiation of the Project | 0 days | 1/1/18 | 1/1/18 | 3 |
| **1.2** | **4.4 Planning and Administration** | **146 days** | **1/2/18** | **7/24/18** | |
| **1.2.2** | **4.4.2.1 Detailed Project Plan** | **20 days** | **1/2/18** | **1/29/18** | |
| 1.2.2.1 | Develop Detailed Project Plan | 7 days | 1/2/18 | 1/10/18 | 3 |
| 1.2.2.2 | QA Review and Update of Detailed Project Plan | 3 days | 1/11/18 | 1/15/18 | 7 |
| 1.2.2.3 | Milestone: Deliver Detailed Project Plan (Deliverable 4.4.3.1) | 0 days | 1/15/18 | 1/15/18 | 8 |
| 1.2.2.4 | State Team Review of Detailed Project Plan | 10 days | 1/16/18 | 1/29/18 | 9 |
| 1.2.2.5 | Milestone: Approve and Accept Detailed Project Plan (Deliverable 4.4.3.1) | 0 days | 1/29/18 | 1/29/18 | 10 |
| **1.2.2** | **4.4.2.3 Semi-Monthly Status Reporting** | **134 days** | **1/18/18** | **7/24/18** | |
| 1.2.2.1 | Status Report #1 | 0 days | 1/18/18 | 1/18/18 | |
| 1.2.2.2 | Status Report #2 | 0 days | 2/6/18 | 2/6/18 | |
| 1.2.2.3 | Status Report #3 | 0 days | 2/20/18 | 2/20/18 | |

| WBS | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 1.2.2.4 | Status Report #4 | 0 days | 3/6/18 | 3/6/18 | |
| 1.2.2.5 | Status Report #5 | 0 days | 3/20/18 | 3/20/18 | |
| 1.2.2.6 | Status Report #6 | 0 days | 4/4/18 | 4/4/18 | |
| 1.2.2.7 | Status Report #7 | 0 days | 4/18/18 | 4/18/18 | |
| 1.2.2.8 | Status Report #8 | 0 days | 5/4/18 | 5/4/18 | |
| 1.2.2.9 | Status Report #9 | 0 days | 5/18/18 | 5/18/18 | |
| 1.2.2.10 | Status Report #10 | 0 days | 6/6/18 | 6/6/18 | |
| 1.2.2.11 | Status Report #11 | 0 days | 6/20/18 | 6/20/18 | |
| 1.2.2.12 | Status Report #12 | 0 days | 7/5/18 | 7/5/18 | |
| 1.2.2.13 | Status Report #13 | 0 days | 7/18/18 | 7/18/18 | |
| 1.2.2.14 | Milestone: Approve and Accept Status Reports (Deliverable 4.4.3.3) | 5 days | 7/18/18 | 7/24/18 | 25 |
| **1.3** | **4.5 IAM Environments** | **143 days** | **1/11/18** | **7/30/18** | |
| **1.3.1** | **4.5.2.1 Evaluation, Requirements, Analysis, and Design** | **20 days** | **1/11/18** | **2/7/18** | |
| 1.3.1.1 | Evaluate Current IAM Environment an Configurations | 5 days | 1/11/18 | 1/17/18 | 7 |
| 1.3.1.2 | Requirement Gathering and JAD Sessions | 5 days | 1/16/18 | 1/22/18 | 29FS-2 days |
| 1.4 | Develop Configuration Recommendations for PS3 | 5 days | 1/18/18 | 1/24/18 | 30FS-3 days |
| 1.3.1.4 | Develop Detailed Design for PS3 Implementation | 5 days | 1/22/18 | 1/26/18 | 31FS-3 days |
| 1.3.1.5 | QA Review and Updates of Evaluation, Requirements, and Design | 3 days | 1/29/18 | 1/31/18 | 32 |
| 1.3.1.6 | Milestone: Deliver Evaluation, Requirements, and Design (Deliverable 4.5.3.1) | 0 days | 1/31/18 | 1/31/18 | 33 |
| 1.3.1.7 | State Review of Evaluation, Requirements, and Design | 5 days | 2/1/18 | 2/7/18 | 34 |
| 1.3.1.8 | Milestone: Accept Evaluation, Requirements, and Design (Deliverable 4.5.3.1) | 0 days | 2/7/18 | 2/7/18 | 35 |
| **1.5** | **4.5.2.2 IAM Development Environment** | **60 days** | **2/1/18** | **4/25/18** | |
| 1.3.2.1 | Prepare Environment and Validate Prerequisites for IAM Component Installs | 3 days | 2/1/18 | 2/5/18 | 34 |
| 1.5.1 | Install and Configure OID/OUD | 3 days | 2/6/18 | 2/8/18 | 38 |
| 1.5.2 | Install and Configure OAM and OAAM | 3 days | 2/9/18 | 2/13/18 | 39 |
| 1.5.3 | Install and Configure OIM, SOA and BIP | 5 days | 2/14/18 | 2/20/18 | 40 |
| 1.5.4 | Configure Connectors and Integration of Components | 5 days | 2/21/18 | 2/27/18 | 41 |
| 1.5.5 | Validate Environment Configuration and Integration | 3 days | 2/28/18 | 3/2/18 | 42 |
| 1.5.6 | Perform Migration, Reengineering, and Customization of PS2 Artifacts to PS3 | 30 days | 2/26/18 | 4/6/18 | 42FS-2 days |
| 1.5.7 | Validate Artifacts, Policies, and Configurations in PS3 | 3 days | 4/4/18 | 4/6/18 | 44FS-3 days |

| WBS | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 1.5.8 | Perform End-to-End Testing of Components | 5 days | 4/9/18 | 4/13/18 | 45 |
| 1.5.9 | Document Test Results, Build and Configurations for Development Environment | 3 days | 4/16/18 | 4/18/18 | 46 |
| 1.3.2.11 | Milestone: Deliver IAM Development Environment (Deliverable 4.5.3.2) | 0 days | 4/18/18 | 4/18/18 | 47 |
| 1.3.2.12 | State Review of IAM Development Environment | 5 days | 4/19/18 | 4/25/18 | 48 |
| 1.3.2.13 | Milestone: Approve and Accept IAM Development Environment (Deliverable 4.5.3.2) | 0 days | 4/25/18 | 4/25/18 | 49 |
| **1.6** | **4.5.2.3 IAM Test Environment** | **45 days** | **4/19/18** | **6/20/18** | |
| 1.3.3.1 | Prepare Environment and Validate Prerequisites for IAM Component Installs | 2 days | 4/19/18 | 4/20/18 | 48 |
| 1.5.1 | Install and Configure OID/OUD | 2 days | 4/23/18 | 4/24/18 | 52 |
| 1.5.2 | Install and Configure OAM and OAAM | 3 days | 4/25/18 | 4/27/18 | 53 |
| 1.5.3 | Install and Configure OIM, SOA and BIP | 4 days | 4/30/18 | 5/3/18 | 54 |
| 1.3.3.5 | Configure High Availability and TLS Communication | 3 days | 4/30/18 | 5/2/18 | 54 |
| 1.5.4 | Configure Connectors and Integration of Components | 4 days | 5/3/18 | 5/8/18 | 56 |
| 1.5.5 | Validate Environment Configuration and Integration | 2 days | 5/9/18 | 5/10/18 | 57 |
| 1.3.3.8 | Migrate Artifacts, Policies, Configurations, and Customizations from Development | 4 days | 5/11/18 | 5/16/18 | 58 |
| 1.3.3.9 | Migrate User Data into Test | 3 days | 5/17/18 | 5/21/18 | 59 |
| 1.3.3.10 | Validate Artifacts, Policies, Configurations, Customizations, and User Data in Test | 3 days | 5/22/18 | 5/24/18 | 60 |
| 1.3.3.11 | Support Testing and Troubleshooting of Custom API and Integrations w/ Bus. Apps | 5 days | 5/25/18 | 5/31/18 | 61 |
| 1.3.3.12 | Support Acceptance Testing | 10 days | 5/30/18 | 6/12/18 | 62FS-2 days |
| 1.3.3.13 | Document Test Results, Build, Configurations, and Migrations for Test Environment | 3 days | 6/11/18 | 6/13/18 | 63FS-2 days |
| 1.3.3.14 | Milestone: Deliver IAM Test Environment (Deliverable 4.5.3.3) | 0 days | 6/13/18 | 6/13/18 | 64 |
| 1.3.3.15 | State Review of IAM Test Environment | 5 days | 6/14/18 | 6/20/18 | 65 |
| 1.3.3.16 | Milestone: Approve and Accept IAM Test Environment (Deliverable 4.5.3.3) | 0 days | 6/20/18 | 6/20/18 | 66 |
| **1.10** | **4.5.2.4 IAM Production Environment** | **33 days** | **6/14/18** | **7/30/18** | |
| 1.3.4.1 | Prepare Environment and Validate Prerequisites for IAM Component Installs | 2 days | 6/14/18 | 6/15/18 | 65 |
| 1.3.4.2 | Install and Configure OID/OUD | 2 days | 6/18/18 | 6/19/18 | 69 |
| 1.3.4.3 | Install and Configure OAM and OAAM | 3 days | 6/20/18 | 6/22/18 | 70 |
| 1.3.4.4 | Install and Configure OIM, SOA and BIP | 4 days | 6/25/18 | 6/28/18 | 71 |
| 1.3.4.5 | Configure High Availability and TLS Communication | 3 days | 6/29/18 | 7/3/18 | 72 |
| 1.3.4.6 | Configure Connectors and Integration of Components | 2 days | 7/4/18 | 7/5/18 | 73 |
| 1.3.4.7 | Validate Environment Configuration and Integration | 2 days | 7/5/18 | 7/6/18 | 74FS-1 day |

| WBS | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 1.3.4.8 | Migrate Artifacts, Policies, Configurations, and Customizations into Production | 3 days | 7/6/18 | 7/10/18 | 75FS-1 day |
| 1.3.4.9 | Migrate User Data into Production | 3 days | 7/9/18 | 7/11/18 | 75 |
| 1.3.4.10 | Validate Artifacts, Policies, Configurations, Customizations, and User Data in Prod | 2 days | 7/11/18 | 7/12/18 | 76 |
| 1.10.1 | Smoke Testing in Production | 1 day | 7/12/18 | 7/12/18 | 78FS-1 day |
| 1.10.2 | Production Go-Live Planning and Decision | 5 days | 7/11/18 | 7/17/18 | 78FS-2 days |
| 1.3.4.13 | Milestone: Go-Live | 1 day | 7/18/18 | 7/18/18 | 80 |
| 1.3.4.14 | Post Go-Live Support | 5 days | 7/19/18 | 7/25/18 | 81 |
| 1.3.4.15 | Milestone: Deliver IAM Prod Environment Post Go-Live Report (Deliverable 4.5.3.4) | 0 days | 7/24/18 | 7/24/18 | 82FS-2 days |
| 1.3.4.16 | State Team Review of IAM Production Environment Post Go-Live Report | 5 days | 7/24/18 | 7/30/18 | 83 |
| 1.3.4.17 | Milestone: Approve and Accept IAM Production Environment (Deliverable 4.5.3.4) | 0 days | 7/30/18 | 7/30/18 | 84 |
| **1.3.5** | **4.5.2.5 Knowledge Transfer** | **14 days** | **7/11/18** | **7/30/18** | |
| 1.3.5.1 | Finalize Architecture and Environment Documentation | 2 days | 7/11/18 | 7/12/18 | 78FS-2 days |
| 1.3.5.2 | Finalize Oracle IAM PS3 Run-Book | 2 days | 7/13/18 | 7/16/18 | 87 |
| 1.3.5.3 | Provide Mentoring, Transition, and Best Practices Knowledge Transfer | 8 days | 7/12/18 | 7/23/18 | 77 |
| 1.3.5.4 | Milestone: Deliver Knowledge Transfer Artifacts (Deliverable 4.5.3.5) | 0 days | 7/23/18 | 7/23/18 | 89 |
| 1.3.5.5 | State Team Review of Knowledge Transfer Deliverables | 5 days | 7/24/18 | 7/30/18 | 90 |
| 1.3.5.6 | Milestone: Approve and Accept Knowledge Transfer (Deliverable 4.5.3.5) | 0 days | 7/30/18 | 7/30/18 | 91 |
| 1.4 | Milestone: Project Closeout | 0 days | 7/30/18 | 7/30/18 | |

*Table 7. High-Level Project Schedule (Table View)*

***Roles and Responsibilities and Method of Communication Between Contractor/Subcontractor***

*Vendors shall provide a written plan addressing the roles and responsibilities and method of communication between the contractor and any subcontractor(s).*

***Not applicable as Mythics is not utilizing any subcontractors.***

***Onsite Staff in Carson City***

*Vendors shall provide information on the staff that shall be located onsite in Carson City. If staff shall be located at remote locations, vendors shall include specific information on plans to accommodate the exchange of information and transfer of technical and procedural knowledge. The State encourages alternate methods of communication other than in person meetings, such as transmission of documents via email and teleconferencing, as appropriate.*

***Team Mythics anticipates that project staff will perform a combination of onsite and offsite (remote) support for the IAM PS3 Upgrade Project. The Technical Lead (IAM Architect) will be onsite approximately 50% of the project duration, and the Project Manager and IAM Consultant will be onsite approximately 25% of the project duration. An onsite/remote schedule will be coordinated and approved by the NV DETR stakeholders, and will ensure that onsite support is available during milestones and key dates, to include project initiation, planning, deployments, Go-Live, Post Go-Live, and knowledge transfer. Team Mythics' consultants typically work in an onsite/remote fashion and are very adept at supporting these types of projects in a distributed fashion, utilizing collaboration and communication tools, to include Atlassian Jira and Confluence, as well as Skype for Business and Adobe Connect for screen sharing and online collaboration with project team members.***

***Potential Risks***

*Vendors shall identify all potential risks associated with the project, their proposed plan to mitigate the potential risks and include recommended strategies for managing those risks.*

***Team Mythics recognizes that risks exist with any project, specifically migrating and upgrading from one version to another. Typically, with IAM Upgrade projects, the majority of the risk resides with the amount and type of customizations that were made in the legacy PS2 system, such as custom jobs, workflows, and any UI customizations. While many of these customizations may be able to migrate cleanly, there is a risk that some rework will need to be accomplished due to obsolete or deprecated features or functionality in the new IAM software. Additional risk exists with custom integrations, as integration points may have changed between versions, and some rework may need to be accomplished to accommodate the custom integration in the new IAM version. Then there are typical project related risks, focused on availability of customer resources (SME's, compute infrastructure, storage, network, etc.), and competing priorities and projects within the organization, shift in requirements and scope, etc. These risks will be clearly identified and documented in a Project Risk Register during the Project Initiation phase, along with probability, impact, mitigations, and owners for each risk. The Project Risk Register will be continually reviewed throughout the project, as changes occur. The frequency of review will be established by the project team during project initiation.***

## 7.1 Project Management

*Vendors shall describe the project management methodology and processes utilized for:*

- *Project integration to ensure that the various elements of the project are properly coordinated;*

- *Project scope to ensure that the project includes all the work required and only the work required to complete the project successfully;*
- *Time management to ensure timely completion of the project. Include defining activities, estimating activity duration, developing and controlling the project schedule;*
- *Management of contractor and/or subcontractor issues and resolution process;*
- *Responding to and covering requested changes in the project time frames;*
- *Responding to State generated issues;*
- *Cost management to ensure that the project is completed within the approved budget. Include resource planning, cost estimating, cost budgeting and cost control;*
- *Resource management to ensure the most effective use of people involved in the project including subcontractors;*
- *Communications management to ensure effective information generation, documentation, storage, transmission and disposal of project information; and*
- *Risk management to ensure that risks are identified, planned for, analyzed, communicated and acted upon effectively.*

***Mythics recommends that the client appoint a Point of Contact (POC), usually a Project Manager, to work with the Mythics Project Manager. Our project manager will work closely with your point of contact to ensure that our schedules coincide with your needs and that any changes or issues are promptly brought to the team's attention for resolution.***

- ***Implementation of projects of this nature require a strong management approach grounded in proven industry standards. Mythics' project management approach incorporates lessons learned from our previous Oracle Systems and application development experiences as well as standard project management best practices as codified by the Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK). Our approach is based on the five key PMI process groups:***
- ***Initiating,***
- ***Planning,***
- ***Executing,***
- ***Monitoring and Controlling, and***
- ***Closing.***

***The Mythics Project Manager reports to the Mythics Consulting executive team and ensures all of the procedures and processes below are applied to the project and its delivery. By following this formal and proven process, a continuous and standardized project management procedure is utilized throughout the various tasks assigned to this project.***

***Initiating***

***Our approach begins with the Initiating process group on Day 1. The activities in this process group include:***

- ***Schedule and conduct kick-off meeting***
- ***During the kick-off meeting we work through the high-level details, roles & responsibilities, expectations and logistics to ensure the team is productive.***

- ***Identify Key team members for the project Execution, to include Project Sponsor, Project Manager and Key Stakeholders.***
- ***Validation of initial assumptions***
- ***Review SOW and technical/management approach***
- ***Begin to coordinate technical resources***

***These activities will ensure all team members are synchronized at the start of the effort and provided the opportunity to validate priorities and expectations.***

***Planning***

***Planning is the process of determining the functionality to be delivered in the engagement.***

***During planning, The Project Sponsor, Project Manager, and Implementation Team identify technical tasks from the Statement of Work (SOW) to be included in the project schedule. The project schedule comprised of technical tasks is codified. These tasks are clarified for understanding and task breakdown and estimates are captured. Ultimately, a shared understanding of the work to be completed is agreed upon by all members of the Project team. Additional planning that occurs in this phase include:***

- ***Risk Management planning***
- ***Communications Management planning***
- ***Quality Management planning***
- ***Change Control and Scope Management planning***

***Executing***

***During this phase, the Mythics team executes the tasks described in all of the plans, processes, and procedures summarized and referenced in the Project plan. The Mythics PM will oversee the Mythics technical team and manage resources as the detailed system requirements are defined, and the system is designed, developed, tested, implemented, and transitioned to maintenance & operation. Constant monitoring of quality, risks and issues, schedule, costs, requirements status, and overall project status is required.***

***Key Tasks include:***

- ***Execute Task Assignments***
- ***Execute Project Management Plan***
- ***Update Project Schedule***
- ***Conduct Status Meetings***
- ***Change Control and Scope Management***
- ***Risk Management/mitigation***

***Monitoring and Controlling***

***Monitoring and controlling is the process of tracking the progression of work and ensuring successful delivery. During the Monitoring and Controlling activities, Mythics Consulting will monitor the status of the execution of all tasks and report project progress through weekly status reports and other meetings as identified in the communications plan. When appropriate, schedule updates and tracking will be managed via Microsoft Project or respective tool. The Project Manager will handle personnel changes and resource assignments according to the needs of the Project schedule. The Mythics Consulting Project Manager will report on the progress of the project on a consistent basis. Reporting will take several forms including:***

- ***Weekly status reports***
- ***Status meetings / phone calls and***
- ***Ad-hoc meetings as called to officially and formally close project increments.***

***Closing***

***Closing involves several activities including:***

- ***A task review demonstrating the work completed during the project,***
- ***A review of the schedule and how it tracks with the overall plan,***
- ***Lesson's learned to discuss how the how the project progressed,***
- ***Quality Assurance review and next steps with the Mythics Quality Assurance Program.***
- ***Formal project approval***
- ***Final invoicing***
- ***Contract closeout***

***At the completion of Project Closing, Mythics has delivered the technical solution in the SOW with the utmost quality and care for our client.***

## 7.2 Quality Assurance

*Vendors shall describe the quality assurance methodology and processes utilized to ensure that the project shall satisfy State requirements as outlined in **Section 4, Scope of Work** of this RFP.*

***The quality assurance of the NV DETR project focuses on the processes used to move the IAM solution into production. In order to ensure quality, an iterative quality process will be used throughout the project life cycle. This iterative process includes measuring process metrics, analyzing process data, and continuously improving the processes.***

***The Mythics Project Manager and the project team will perform assessments at planned intervals throughout the project to ensure all processes are being correctly implemented and executed. The established project tolerances for these metrics are the organizational standards for all other cable products. Key quality assurance metrics will be mutually determined during the project initiation phase and documented in the below matrix:***

| Process Action | Acceptable Process Standards | Process Phase | Assessment Interval |
|---|---|---|---|
| | | | |

| Process Action | Acceptable Process Standards | Process Phase | Assessment Interval |
|---|---|---|---|
| | | | |
| | | | |

*Table 8. Sample Quality Assurance Matrix*

***The Mythics project manager will provide day to day quality management and conduct process audits on a weekly basis, monitor process performance metrics, and assure all processes comply with project and organizational standards. If discrepancies are found, the project manager will meet with the project team and review the identified discrepancies.***

***The Mythics PM will schedule regularly occurring project, management, and document reviews. In these reviews, an agenda item will include a review of project processes, any discrepancies and/or audit findings from the quality manager, and a discussion on process improvement initiatives.***

***Process improvement is another aspect of quality assurance. Quality assurance reviews, findings, and assessments should always result in some form of process improvement and, as a result, product improvement. All process improvement efforts must be documented, implemented, and communicated to all stakeholders as changes are made.***

## 7.3 Configuration Management

*Vendors shall describe the methodology, processes and tools utilized for:*

- *Control of changes to requirements, design and code;*
- *Control of interface changes;*
- *Traceability of requirements, design and code;*
- *Tools to help control versions and builds;*
- *Parameters established for regression testing;*
- *Baselines established for tools, change log and modules;*
- *Documentation of the change request process including check in/out, review and regular testing;*
- *Documentation of the change control board and change proposal process; and*
- *Change log that tracks open/closed change requests.*

***Team Mythics utilizes the Atlassian product stack for Configuration Management. This includes JIRA (for issue tracking), Confluence (for project documentation) and Bitbucket (for source code control). All artifacts will be placed into the appropriate repository for tracking, version control, and traceability. If NV DETR has an existing Configuration Management System and/or policies, Team Mythics will work with NV DETR to integrate into their existing system and processes.***

## 7.4 Project Software Tools

***Software Tools and Equipment Resources***

*Vendors shall describe any software tools and equipment resources to be utilized during the course of the project including minimum hardware requirements and compatibility with existing computing resources as described in Section 2.3, Current Computing Environment.*

***Team Mythics does not anticipate the need to utilize any tools, outside of the Oracle IAM PS3 stack identified as the target system for the upgrade and migration process.***

***Costs and Training***

*Costs and training associated with the project software tools identified shall be included in Attachment I, Project Costs.*

***Please see Attachment 1 – Project Costs in Volume II – Cost Proposal for costs and training associated with the project software tools.***

# 8. Section X – Other Informational Material

*Vendors shall include any other applicable reference material in this section clearly cross referenced with the proposal.*

## 8.1 Exceptions to Attachment D – Insurance Schedule

***The following are Mythics' Exceptions and Additional Terms to Attachment D – Insurance Schedule of RFP 3490:***

***Mythics, Inc. proposes to revise the following provisions outlined in the States' solicitation. In the subsequent paragraphs, Mythics has identified the specific language in the solicitation documents it wishes to take exception.***

***Contract for Services of Independent Contractor***

***Section 12. Limited Liability (Page 4 of 9)***

***Mythics liability is limited to fees paid, therefore requesting the proposed language be replaced with the following:***

***"The State will not waive and intends to assert available NRS Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to consequential and/or punitive damages. Damages for any State breach shall never exceed the amount of funds appropriated for payment under this Contract, but not yet paid to Contractor, for the Fiscal Year budget in existence at the time of the breach."***

***Attachment D – Insurance Schedule***

***Section 5 (B.2). Additional Insurance Requirements under Network Security (Cyber) and Privacy Liability (Page 2 of 3)***

***For clarity purposes, Mythics insurance broker is requesting the following language be added:***

***"On insurance policies where the State of Nevada is named as an additional insured," the Contractor's insurance coverage shall be primary insurance and non-contributory with respect to all other available sources.***