1   Deliverable Description

ID and Title: D-18 System Design Document

Description: The system design document will reflect all of the requirements, external and internal interfaces points, communication protocols, data design, database structure, systems integration, and overall design of the system that includes hardware and software considerations.

Deliverable Owner: Kurt Nelson

Proposal/Contract Reference: Amendment No. 1 to Master Services Agreement, Exhibit E, section 1.2.3 Elaboration Deliverables

2   Content

Content Item	Description
1. Design Considerations	Designed considerations will be reflected in the Goals and Guidelines, a development methodology, and an architectural strategy.
2. Assumptions / Constraints / Risks	
2.1 Assumptions	Describes any assumptions or dependencies regarding the design of the system.
2.2 Constraints	Describes any constraints regarding the design of the system.
2.3 Risks	Discusses any risk regarding the design of the system.
3. System Architecture	Will consist of the hardware information, internal communication processes, software architecture, and a system design diagram. Also Assumptions / Constraints / Risks
4. Data Design	Consist of the database structures and data objects.
5. Human-Machine Interface	
5.1 Inputs & Output	Description of any access restrictions or security considerations. Describes what is done by humans versus what is done by machine.
6. Operational Scenarios	Discuss operational scenarios.
7. System Integrity Controls	Describe system integrity controls.
8. Detail Design	Will reflect the hardware detail, the internal communications and software details design information.
9. Interface Architecture	Information showing the multiple interfaces and their details.
Glossary and Acronyms	

3   Approver, Reviewers, and Work Plan

Approver: Justin Tease
Reviewers: Rick Ketcham, Paul Haigh, Gartner
Work plan tasks:

Unique ID	Task Name	Deliverable Owner	Deliverable ID	Duration	Start	Finish

Unique ID	Task Name	Deliverable Owner	Deliverable ID	Duration	Start	Finish
4895	**Deliverable: (D-18) System Design Document**	**Kurt**	**D-18**	**20 days**	**Fri 4/5/13**	**Thu 5/2/13**
4896	**Create Deliverable**	**Kurt**	**D-18**	**10 days**	**Fri 4/5/13**	**Thu 4/18/13**
4897	Document System Design Document	Kurt	D-18	10 days	Fri 4/5/13	Thu 4/18/13
4898	**Review and Approve Deliverable**	**Kurt**	**D-18**	**10 days**	**Fri 4/19/13**	**Thu 5/2/13**
4899	Intl Rev & U/D - System Design Document	Kurt	D-18	5 days	Fri 4/19/13	Thu 4/25/13
4900	*Milestone: System Design Document Submitted*	*Kurt*	*D-18*	*0 days*	*Thu 4/25/13*	*Thu 4/25/13*
4901	Rev, Rvs & Appr - System Design Document	Kurt	D-18	5 days	Fri 4/26/13	Thu 5/2/13
4902	*Milestone: Final System Design Document Approved*	*Kurt*	*D-18*	*0 days*	*Thu 5/2/13*	*Thu 5/2/13*

4   Acceptance Criteria

- Transformation of the requirements, user-oriented functional design, and data-design into technical specifications.
- Specifications must contain appropriate level of detail in order to build the system according to requirements as defined in D-14 Requirements Specification Document (RSD).

Revision History

Version	Date	Modified By	Description
1.0	03/05/2013	Corina Gasner	Delivered to SOV for review
2.0	04/17/2013	Mike Blake	Revisions per IV&V review