**Scope for Data Quality estimate**

# Work Stream Summary – Implement Data Quality product and rules

Activities:

1. Install Data Quality Advanced Edition application software and OOTB content in 3 Environments.
2. Configure and expose as Web Services (includes Design, Implementation, DEV Deployment, Unit Test, QA Deployment, Prod Deployment):
3. Up to sixteen (16) OOTB rules (low complexity)
4. Up to eight (8) Customized Medium complexity rules:
   1. One Reserved for : Address Cleansing (US/CAN only)
   2. Seven (7) other rules
5. Up to eight (8) High complexity rules
6. Each rule will be wrapped in a separately callable Web Service.
7. Each web service will return a status code to the caller and cleansed data.
8. Integration Testing Support
9. Support during integration testing with SnapLogic Data Orchestration software. Includes Bug fixes to any deliverables in this proposal.
10. Assumes 2 weeks of integration testing, 2 weeks bug fix, 2 weeks final integration testing.
11. Deployment Support for Web Service
12. Deployment to QA environment, includes code deliverable migration from DEV to QA
13. Also Deployment to Prod/DR environments when ready
14. Knowledge Transfer
15. 1/2 day per week during Integration Testing and Deployment phases

Deliverables:

1. Architecture / Detailed design document – this will layout how the IDQ product and the subsequent DQ rules will be implemented along with how the integration with the SnapLogic layer will happen including and focused on the detailed integration design pattern between SnapLogic and the SOAP based Data Quality rules.
2. Install and configure IDQ product in AWS environments (up to but not to exceed three (3))
3. Design documentation – Web Service and DQ rules
4. Deployment documentation - How-to Documentation

Data Quality Scope Assumptions:

1. Customer will provide technical resource(s) to design/develop/implement SnapLogic web service calls. Same resource(s) will be available to work alongside IPS during implementation, integration testing and through the deployment phase of the project.
2. Prior to commencement of the DQ installation: Customer is responsible for configuring (for each environment) AWS servers for DQ install with all pre-requisites and will provide full access to the Service Accounts under which DQ is to be installed to the IPS Consultant performing the installation. Disk space will be allocated in full per estimated sizing and R/W accessible to the Service Account for the install.
3. At start of project: Customer will provide sample data sets (flat files) of test data to be used in Rule implementation and unit testing validation. Sample data sets will include good and bad data.
4. Customer will provide a technical resource to take Knowledge Transfer of the DQ deliverables. Resource to be made available during Integration testing and Deployment phases.
5. Deployment of DQ Web Service only in DEV and QA. PROD deployment is not in scope, though a walkthrough and deployment document will be provided to the NWM technical resource responsible for PROD deployment.
6. AWS hosted Data Quality instances:
   1. For the purposes of the project, all data sources for unit testing of rules will be in flat file format and posted by the Customer to the AWS mounted disk space.
   2. Ensuring the AWS-hosted DQ server can access Customer on-premise data sources for profiling purposes (if desired) is the Customer's responsibility. The DQ Service account used for the install will require read/write/execute access to the on-premise data source, including allowance through all corporate firewalls and security. An alternative to this approach is placement of data to be profiled in flat file format, on the AWS mounted disk space.
7. Web Services will be implemented using SOAP.
8. Examples of Customized Medium Complexity Rules: Person Name Parse/Cleanse, Company Name Parse/Cleanse, TIN/EIN validation/cleanse