CCUBED
DATA INTEGRATORS

June 26, 2015

Rachel Golson
Precision Drilling Corporation
800, 525-8th Avenue S.W.
Calgary, Alberta, Canada T2P 1G1

Rachel,

As a continuation of our support for the Global HCM Master Data project, C CUBED Data Integrators would like to offer, for your consideration, the following statement of work for Phase 2 of the master data work.

It is recognized that the master data work associated with the cycles Global HCM Master Data project may not require all of the estimated resources. Accordingly, the engagement of C CUBED Data Integrators can be managed by Precision Drilling as required, with the inclusion of 30 days' notice provided to C CUBED Data Integrators in writing for the termination of resources.

As presented and developed in Phase 1, the following services and deliverables will be provided:

Master Data Functional/Technical Business Analyst

Under the direction of the Project Manager, the Master Data Functional/Technical Business Analyst will work in conjunction with the Functional SMEs, Business Process SME's and ABAP Developers to deliver or assist in the delivery of the following: Master Data Design Documents (DDC), Process Design Documents (PDD), Configuration Design Documents (CDD), Detailed Conversion Design Documents (DCDD), Business Process Procedures (BPP) and QA training Material.

Master Data Management SME

Under the direction of the Project Manager, the Master Data Management SME will work in conjunction with the Process SMEs to deliver or assist the delivery of the following: the data governance rules by data object, the data standards document (DSD) for each object, data governance scope, data governance and master data management processes, data governance models, processes and mechanisms for applying data governance rules and compliance checking as part of sustainable master data requests.

Summary of Deliverables:
- Identify data objects (high level)
- Data object scope
- High level data quality assessment
- Data object owners
- "TO BE" data standards
- "TO BE" master data processes (DQM and changes to request/gathering
- Governance model and owner accountability
- Formalize master data standards and master data process
- QA review of business process documentation and creation of new process documentation specific to new master data management processes that are external to a business process(PDD)
- QA review of configuration documentation and input to master data specific design & build(CCD)
- Data Quality Management reporting
- Detailed cleansing specifications (DCDD)
- Create data content (missing/other sources)
- QA review of business process procedure (BPP) documentation and creation of new process procedure documentation specific to new master data management processes QA training material
- QA cleansed data
- QA review of cleansed data in the quality assurance / test systems
- Perform data cleansing in prod
- Operationalizing of new governance and quality management processes

Bill Towsley
Managing Partner
C CUBED Data Integrators

Statement of Work

Term of Contract

Client:	Precision Drilling Corporation
Phase 2	
Start Date:	2015-07-06
End Date:	2015-12-11

Background

Precision Drilling has launched the *Global HCM Master Data* project that will deliver a set of standardized business processes, enterprise-wide, for the management of HCM master data (organizations, positions, personnel).

Not included in that project is any form of master data ownership, standards and governance that would ensure the revised processes deliver consistent content within the master data.

Without these additional components, there is a very real risk that, while the processes for requesting and creating are aligned across the enterprise, the data will not be able to support enterprise-wide management and reporting because of inconsistencies in the data content.

C CUBED Data Integrators will deliver the additional components efficiently and cost-effectively in conjunction with the *Global HCM Master Data* project.

Methodology

A synopsis of the approach, to be incorporated into the planning, is outlined below. All aspects of this will conform to SAP best practices and the SAP ASAP Methodology.

Considering each master data object (e.g. Position) separately:
- Identify data object owner
- Document the current data requirements
- Review gaps (reporting, process "pain points", inconsistencies)
- Review HCM business processes (new from HCM project and existing out-of-scope for HCM master data)
- Develop a data standard
  - Based upon HCM business processes
  - Focus on required and conditionally required fields first
  - Consider "use-cases" (significant regional requirements, per-hire vs. post-hire enrichment)
  - Include naming conventions and hierarchy models as applicable
- Develop any master data specific processes (sub-process to the HCM Master data processes)

- Identify gaps by profile existing data against the standard
    - Use existing tools/reporting
    - Develop as sustainable for post go-live data quality management
- Identify gaps in SAP configuration when compared to the standard
- Develop governance model
    - Owner accountabilities
    - Identify governance SMEs and their accountabilities
- Implement configuration changes
- Cleanse data
- Implement data standard
- Implement governance

Timeline

Phase 2 to commence June 8, 2015 and end with the completion of last warranty at the end of November.

Deliverables

Phase 2

Cycle 1 – Termination Process and Contractor Process
Design:
To Be Business Process Documents
Standard Documents
Data Standard Implementation Documents
Governance Model Documents
Build
Implement Configuration changes in QA
Data Cleanse in QA
User Acceptance in QA
Execute and Go Live
Cutover Plan
Execute Cutover Plan
Go-Live
Warranty
Cycle 2 – Corporate Transfers & Assignment Changes Process, Iterative updates for Termination Process and Contractor Process
Design:
To Be Business Process Documents
Standard Documents
Data Standard Implementation Documents
Governance Model Documents
Build
Implement Configuration changes in QA
Data Cleanse in QA

User Acceptance in QA
Execute and Go Live
Cutover Plan
Execute Cutover Plan
Go-Live
Warranty
Cycle 3 Operational Leaves of Absences Process, Iterative updates for Corporate Transfers & Assignment Change Process, Termination Process and Contractor Process
Design:
To Be Business Process Documents
Standard Documents
Data Standard Implementation Documents
Governance Model Documents
Build
Implement Configuration changes in QA
Data Cleanse in QA
User Acceptance in QA
Execute and Go Live
Cutover Plan
Execute Cutover Plan
Go-Live
Warranty
Cycle 4 On boarding Process, Iterative updates for Operational Leaves of Absences Process, Corporate Transfers & Assignment Change Process, Termination Process and Contractor Process
Design:
To Be Business Process Documents
Standard Documents
Data Standard Implementation Documents
Governance Model Documents
Build
Implement Configuration changes in QA
Data Cleanse in QA
User Acceptance in QA
Execute and Go Live
Cutover Plan
Execute Cutover Plan
Go-Live
Warranty
Cycle 5 - Iterative updates for On boarding Process, Operational Leaves of Absences Process, Corporate Transfers & Assignment Change Process, Termination Process and Contractor Process
Design:
To Be Business Process Documents
Standard Documents

	Data Standard Implementation Documents
	Governance Model Documents
Build	
	Implement Configuration changes in QA
	Data Cleanse in QA
	User Acceptance in QA
Execute and Go Live	
	Cutover Plan
	Execute Cutover Plan
	Go-Live
Warranty	

Resourcing

Phase 2

One Master Data Functional/Technical Business Analyst possessing the combination of business systems knowledge, SAP functional knowledge and SAP master data technical knowledge for master data cleansing and master data conversion.

Two Master Data Management SMEs possessing the data governance knowledge for master data governance modelling, master data governance processes and master data management processes.

Rates

C CUBED Data Integrators would prefer to engage directly with Precision Drilling Corporation and these rates reflect that type of arrangement. Should C CUBED resources be required to engage through a third-party (e.g. SI Systems) then third-party overheads would be in addition to rates indicated below.

Resource	Job	Billing Rate	GST	Travel/Exp*
Debabrata Rout	MD Func/Tech BA	$100	extra	N/A
Alan Chu	MD SME	$140	extra	N/A
Bill Towsley	MD SME	$155	extra	N/A
Bill Towsley	Delivery Manager	included		
Carla Cook	Delivery Manager	included		

* Travel, if required, to client locations outside Calgary not covered here

C CUBED / Precision Drilling Accountabilities

Phase 2

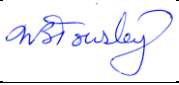| Activity	Precision Drilling	C CUBED
Diagnosis/Discovery (Prep)	• Pain point resolution working sessions / teams(iterative)	• Identify data objects (high level)
Design (Blueprint)	• Business requirements validation • High Level TO BE design • Gap assessment	• Data object scope • High level data quality assessment • Data object owners • TO BE data standards • TO BE master data processes (DQM and changes to request/gathering • Governance model and owner accountability
Build (Realization)	• Process documentation (PDD) • Configuration (CCD) • Development (except config) • Business Process Procedures (BPP) • Develop training material • Create and execute test scripts	• Formalize master data standards and master data process • QA review of business process documentation and creation of new process documentation specific to new master data management processes that are external to a business process(PDD) • QA review of configuration documentation and input to master data specific design & build(CCD) • Data Quality Management reporting • Detailed cleansing specifications (DCDD) • Create data content (missing/other sources) • QA review of business process procedure (BPP) documentation and creation of new process procedure documentation specific to new master data management processes QA training material

		• QA cleansed data • QA review of cleansed data in the quality assurance / test systems
Deploy (Final prep/Go Live)	• Finalize and execute cutover plan • Deliver training • Implement procedures • Warranty support	• Perform data cleansing in prod • Operationalizing of data new governance and quality management processes

Termination

This engagement can only be terminated:
a) by the Precision Drilling or C CUBED Data Integrators on 30 days' notice for any reason
b) immediately by the Precision Drilling for cause or breach of any term by C CUBED Data Integrators or its representatives
c) automatically on expiry of the Term

Approvals

Bill Towsley	C CUBED DI	Managing Partner	*WBTowsley*	2015/06/26
Rachel Golson	Precision Drilling			
Bob Klay	Precision Drilling			