

## T2.2-01: Evaluation Schedule – Key Persons Experience and Qualifications

The Consultant shall submit a Project Organisation Chart depicting the proposed staff allocation to the project. The chart shall identify key management and technical skills supported by CV's demonstrating the requisite qualifications and project experience using the attached CV format (Appendix G). Proof of qualifications shall be submitted for all key personnel e.g. National Diploma, B-Tech/BSc Degree and Professional Registration.

Key Persons comprise of the following:

1. Senior Control Engineer – SCADA
2. Senior Control Engineer – PLC
3. Project Engineer
4. Project Manager

The following must be submitted as a minimum:

- Key Persons Curriculum Vitae (Appendix G)
- Key Persons Proof of qualifications and professional registration

The tenderer must attach the relevant Key Persons Curriculum Vitae to this page.

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Key for scoring for Senior Control Engineer - SCADA's experience.

Key for Senior Control Engineer - SCADA's Experience Max 10 points	0%	CV submitted with irrelevant experience.
	20%	CV submitted with five (5) or more years of Process Control Systems (PCS) software development and coordination experience in a petroleum environment; of which no (0) years' experience is in the design, configuration, software development, testing and deployment of Aveva OASyS DNA SCADA Systems into a petroleum pipeline environment.
	40%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which less than one (1) years' experience is in the design, configuration, software development, testing and deployment of Aveva OASyS DNA SCADA Systems into a petroleum pipeline environment.
	60%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which one (1) or more years, but less than two (2) years' experience is in the design, configuration, software development, testing and deployment of Aveva OASyS DNA SCADA Systems into a petroleum pipeline environment.

	80%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which two (2) or more years of experience is in the design, configuration, software development, testing and deployment of Aveva OASys DNA SCADA Systems into a petroleum pipeline environment.
	100%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which two (2) or more years of experience is in the design, configuration, software development, testing and deployment of Aveva OASys DNA SCADA Systems, including the Liquid Management Suite (LMS) and SimSuite (PLMS) applications into a petroleum pipeline environment.

## Key for scoring for Senior Control Engineer - PLC's experience.

Key for Senior Control Engineer - PLC's Experience Max 10 points	0%	CV submitted with irrelevant experience.
	20%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which no (0) years' experience is in the design, configuration, software development, testing and deployment of Schneider m580 PLC Systems into a petroleum pipeline environment.
	40%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which less than one (1) years' experience is in the design, configuration, software development, testing and deployment of Schneider m580 PLC Systems into a petroleum pipeline environment.
	60%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which one (1) or more years, but less than two (2) years' experience is in the design, configuration, software development, testing and deployment of Schneider m580 PLC Systems into a petroleum pipeline environment.
	80%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which two (2) or more years of experience is in the design, configuration, software development, testing and deployment of Schneider m580 PLC Systems into a petroleum pipeline environment.
	100%	CV submitted with five (5) or more years of PCS software development and coordination experience in a petroleum environment; of which two (2) or more years of experience is in the design, configuration, software development, testing and deployment of Schneider m580 PLC Systems and Emerson S600 Flow Computers into a petroleum pipeline environment.

## Key for scoring for Project Engineer's experience.

Key for Project Engineer's Experience Max 7.5 points	0%	CV submitted with irrelevant experience.
	20%	CV submitted with less than two (2) years of petroleum pipeline experience in a project development environment, with no experience in managing international software teams, and multi-system integration.
	40%	CV submitted with two (2) or more years, but less than five (5) years of petroleum pipeline experience in a project development environment, with no experience in managing international software teams, and multi-system integration.
	60%	CV submitted with five (5) or more years of petroleum pipeline experience in a project development environment, with little experience (less than 2 years) in managing international software teams, and multi-system integration.



	80%	CV submitted with five (5) or more years of petroleum pipeline experience in a project development environment, with moderate experience (2 or more years, but less than 5 years) in managing international software teams, and multi-system integration.
	100%	CV submitted with five (5) or more years of petroleum pipeline experience in a project development environment, with significant experience (5 or more years) in managing international software teams, and multi-system integration.

Key for scoring for Project Manager's experience.

Key for Project Manager's Experience Max 7.5 points	0%	CV submitted with irrelevant experience.
	20%	CV submitted with less than two (2) years of industrial project co-ordination experience, with no experience in managing complex software projects, international project teams, and large project execution (>\$10m, R150m).
	40%	CV submitted with two (2) or more years, but less than five (5) years of industrial project co-ordination experience, with no experience in managing complex software projects, international project teams, and large project execution (>\$10m, R150m).
	60%	CV submitted with five (5) or more years of industrial project co-ordination experience, with little experience (less than 2 years) in managing complex software projects, international project teams, and large project execution (>\$10m, R150m).
	80%	CV submitted with five (5) or more years of industrial project co-ordination experience, with moderate experience (2 or more years, but less than 5 years) in managing complex software projects, international project teams, and large project execution (>\$10m, R150m).
	100%	CV submitted with five (5) or more years of industrial project co-ordination experience, with significant experience (5 or more years) in managing complex software projects, international project teams, and large project execution (>\$10m, R150m).

Key for scoring Senior Control Engineer - SCADA's Qualifications/Training.

Key for Senior Control Engineer - SCADA's Qualifications / Training Max 5 points	0%	No relevant qualification submitted.
	20%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a Certificate within the relevant field.
	40%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a Diploma within the relevant field.
	60%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a BTech or Engineering degree within the relevant field.
	80%	Has completed all the relevant introductory and intermediate level process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3 (excluding Advanced Display Building, Application Programming and LMS Configuration & Operation), and holds a BTech or Engineering degree within the relevant field.
	100%	Has completed all the relevant introductory, intermediate, and advanced level process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3 (including Advanced Display Building, Application Programming and LMS Configuration & Operation), and holds a BTech or Engineering degree within the relevant field.

Key for scoring Senior Control Engineer - PLC's Qualifications/Training.

Key for Senior Control Engineer - PLC's Qualifications / Training Max 5 points	0%	No relevant qualification submitted.
	20%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a Certificate within the relevant field.
	40%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a Diploma within the relevant field.

	60%	Has not completed any of the relevant process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3, but holds a BTech or Engineering degree within the relevant field.
	80%	Has completed all the relevant intermediate level process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3 (Unity Pro Programming), and holds a BTech or Engineering degree within the relevant field.
	100%	Has completed all the relevant advanced level process control specialist courses (OEM certified) listed in the Works Information Section 4.11.3 (m580 Programming), and holds a BTech or Engineering degree within the relevant field.

## Key for scoring Project Engineer's Qualifications/Training.

Key for Project Engineer's Qualifications / Training Max 2.5 points	0%	No relevant qualification submitted.
	20%	Holds a Diploma within the relevant field, but is not ECSA registered
	40%	Holds a Diploma within the relevant field and is ECSA registered as Pr Cert Eng
	60%	Holds a B Tech or Engineering degree within the relevant field, but is not ECSA registered.
	80%	Is ECSA registered as Pr Tech Eng
	100%	Is ECSA registered as Pr Eng

## Key for scoring Project Manager's Qualifications/Training.

Key for Project Manager's Qualifications / Training Max 2.5 points	0%	No relevant qualification submitted.
	20%	Holds any technical qualification (Certificate) within the relevant field, but does not hold a project management certificate or diploma.
	40%	Holds any technical qualification (Diploma, BTech, degree) but does not hold a project management certificate or diploma.
	60%	Holds any technical qualification (Diploma, BTech, degree) with at least a project management certificate or diploma.
	80%	Holds any technical qualification (Diploma, BTech, degree) with at least a project management certificate or diploma and is registered with PMI at any level.
	100%	Holds any technical qualification (Diploma, BTech, degree) with at least a project management certificate or diploma and is registered with PMI as a PMP.

Signed at

Date

Name

Position

Tenderer

## Appendix G - Team CV format

CV\_ Proposed Person Title \_ Company Name

### Personal details

Name and Surname	
ID Number	
Proposed project role	<i>e.g. Control System Design Engineer</i>
Contact Number	
Email	
Nationality	
Home Language	
Other Languages	
Driver's License	

### Qualifications

#### Tertiary

Institution	Qualifications	Proof attached
		<i>Yes or No</i>

#### Short courses

Institution	Qualifications	Proof attached

#### Advanced courses

Institution	Qualifications	Proof attached

### Professional registrations and memberships

Professional body	Level of registration	Registration No.	Proof attached
<i>e.g. PMi</i>	<i>PMP</i>		

## Appendix G - Team CV format

CV\_ Proposed Person Title \_ Company Name

### Work Experience

<b>Name of Company</b>	<i>Name of most recent company, copy and paste this table to add a second company and so on</i>
<b>Position</b>	
<b>Duration</b>	<i>DD-MM-YY to DD-MM-YY (total number of years)</i>
<b>Achievements</b>	<i>List of achievement in bullet form. E.g. Company X Best Project Award</i>
<b>Responsibilities</b>	<i>List responsibilities in bullet form</i>
<b>Automation systems worked on and level of expertise</b>	<i>List automations systems worked with in bullet form (expertise, e.g. Core Programmer, Configurator)</i>
<b>Relevant projects completed</b>	<i>List relevant projects worked on</i>

## T2.2-02: Evaluation Schedule – Company’s Project Related Experience

Consultants are required to demonstrate their experience as regards the provision of ECM services as related to the development and deployment of process control systems within the petrochemical and pipeline industries and shall supply a sufficiently detailed reference list using the provided Company’s experience sheet. The scoring for this criterion will be based on number of relevant successfully completed projects as well as the project values.

The following must be submitted as a minimum:

- Completed company’s experience sheet (Appendix H)

The tenderer must attach the Company’s experience sheet to this page.

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The scoring of the Company’s Project Related Experience will be as follows:

Number of Successfully Completed Projects related to the development and deployment of process control systems within a petroleum pipeline environment.  Max 25 points	0%	The Consultant did not list any projects completed or the projects submitted are not relevant.
	20%	The Consultant has completed only one (1) project related to the development and deployment of process control systems within a petroleum pipeline environment.
	40%	The Consultant has completed only two (2) projects related to the development and deployment of process control systems within a petroleum pipeline environment, of which none (0) involve the development and deployment of Aveva OASyS DNA SCADA and Schneider m580 PLC Systems into a petroleum pipeline environment.
	60%	The Consultant has completed more than two (2) projects related to the development and deployment of process control systems within a petroleum pipeline environment, of which none (0) involve the development and deployment of Aveva OASyS DNA SCADA and Schneider m580 PLC Systems into a petroleum pipeline environment.
	80%	The Consultant has completed two (2) or more projects related to the development and deployment of process control systems within a petroleum pipeline environment, of which one (1) or more projects involve the development and deployment of Aveva OASyS DNA SCADA and Schneider m580 PLC Systems into a petroleum pipeline environment.
	100%	The Consultant has completed two (2) or more projects related to the development and deployment of process control systems within a petroleum pipeline environment, of which one (1) or more projects involve the development and deployment of Aveva OASyS DNA SCADA and Schneider m580 PLC Systems, Emerson S600 Flow Computers, and SimSuite PLMS into a petroleum pipeline environment.

The scoring of the Value of successfully completed projects related to the development and deployment of process control systems within a petroleum pipeline environment will be as follows:

Value of Successfully Completed Projects related to the development and deployment of process control systems within a petroleum pipeline environment Max 10 points	0%	No project values submitted.
	20%	Two or more relevant projects of value less than R10 million.
	40%	Two or more relevant projects of value greater than or equal to R10 million but less than R50 million.
	60%	Two or more relevant projects of value greater than or equal to R50 million but less than R100 million.
	80%	Two or more relevant projects of value greater than or equal to R100 million but less than R200 million.
	100%	Two or more relevant projects of value greater than R200 million.

Signed at

Date

Name

Position

Tenderer



### Appendix H - Company Experience Sheet

No.	Company name and location	Project title	Project description	Project value	Baseline start and End	Reference -Name and Position	
					Actual start and End	Contact	Email
1					Baseline start to end date	Name and position	
					Actual start to end date	Landline number	Email address
2							
3							
4							
5							
6							
7							
8							
9							
10							

## T2.2-03: Evaluation Schedule – Method Statement / Execution Plan

Submit a Method Statement / Execution Plan that includes and demonstrates the following as a minimum with your tender document:

1. Includes a high-level project execution plan or strategy demonstrating an understanding of the Project, relevant to section 3 (MAC Works Execution) of the scope of work.
2. Includes a Staffing organogram, with defined roles and responsibilities.
3. Illustrates how the 'Core ECM Management Team' will manage the execution of the contract
4. Demonstrates an understanding of the objectives of the Services and the *Employer's* stated and implied requirements, highlights the issues of importance, and explains the technical approach they would adopt to address them.
5. Demonstrates an understanding of typical deliverables listed in Appendix C of the scope of work.
6. Demonstrates an understanding of project deliverables listed in Appendix D of the scope of work.

The tenderer must attach his / her Method Statement/Execution Plan to this page.

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The scoring of the Method Statement / Execution Plan will be as follows:

Key for Method Statement / Execution Plan Max 15 points	0%	No method statement or company proposal submitted.
	20%	Method statement was not clear and/or not relevant to the project.
	40%	Method statement did not cover minimum requirements relevant to the project, related to project execution plan, quality assurance, required deliverables and safety plans.
	60%	Method statement was clear, concise, and covered all technical and project management aspects relevant to the project. The proposal demonstrated how the Consultant will ensure safe work while not compromising quality of the deliverables.
	80%	Method statement was clear, concise, and covered all technical and project management aspects relevant to the project. The proposal demonstrated how the Consultant will ensure safe work while not compromising quality of the deliverables. The proposal included a high-level project execution plan detailing each project stage (feasibility and execution) as stated in the scope of work.
	100%	Method statement was clear, concise, and covered all technical and project management aspects relevant to the project. The proposal demonstrated how the Consultant will ensure safe work while not compromising quality of the

		deliverables. The proposal included a high-level project execution plan detailing each project stage (feasibility and execution) as stated in the scope of work. The Consultants method statement demonstrated his in-depth understanding of the scope of work and has outlined additional project risk, value engineering and included a practical demonstration of schedule optimization.
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Signed at

Date

Name

Position

Tenderer

## T2.2-04: Evaluation Schedule – Presentation and Interview

The Consultant is required to attend an interview session with the Employer. At this interview, the Consultant is required to present a presentation covering all aspects of the bid submitted, including the following:

1. An introduction to the Consultant's team, including key personnel, their experience, and qualifications.
2. An overview of the Company's project related experience in successfully completing control system development and deployment projects within a petroleum pipeline environment.
3. An overview of the salient points associated with the Method Statement and Project Programme submitted.

The presentation should demonstrate and in depth understanding of both technical and project management aspects related to successfully completing a project of this nature within a petroleum pipeline environment.

The scoring of the Presentation and Interview will be as follows:

<b>Key for Presentation and Interview</b> Max 100 points Min 60 points	0%	No presentation prepared or key resources were not available for interviews.
	20%	The presentation was irrelevant or addressed requirements not relevant to the Consultant's Offer and scope of work.
	40%	The presentation did not cover all minimum requirements and/or the Consultant was unable to satisfactorily clarify all major queries related to Consultant's Offer and scope of work.
	60%	The presentation covered all minimum requirements and the Consultant was able to satisfactorily clarify all major queries related to Consultant's Offer and scope of work.
	80%	The presentation was a true reflection of the information submitted with the Consultant's Offer and the Consultant was able to satisfactorily clarify all queries related to Consultant's Offer and scope of work.
	100%	The presentation was a true reflection of the information submitted with the Consultant's Offer and the Consultant was able to satisfactorily clarify all queries related to Consultant's Offer and scope of work. The team also added additional information demonstrating how the project will be executed referencing to similar completed projects.

Signed at

Date

Name

Position

Tenderer