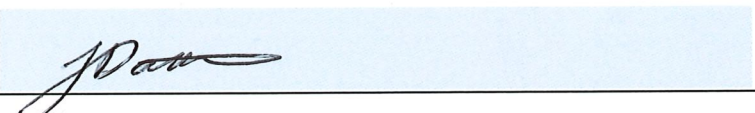


BSBPMG511 MANAGE PROJECT SCOPE

PRACTICAL ASSESSMENT INSTRUCTIONS

- The following practical assessment will require the participant to complete work related activities.
- The assessor will conduct observations of the participant's work to determine whether they display sufficient practical skills and knowledge.
- Please fill in the details below, providing your name, signature and date of assessment.
 - Your signature acknowledges that the assessor provided clear instructions and the participant understood what was required to complete this assessment.
- The assessor may substitute a Practical Task with another task of equal value.
 - Alternate tasks must be fully documented by the assessor.

Participant name Joel Dotta.

Participant signature 

Assessor name _____

Assessor signature 

Date Click here to enter a date. 06-07-20

Number of tasks	Number of tasks completed	Satisfactory?	
1		Yes	No
		☐	☐

ASSESSOR COMMENTS

BSBPMG511 MANAGE PROJECT SCOPE

Practical Task 1	
Description of task: A suitable observer is to verify the participant's ability to obtain project authorisation, develop a scope management plan, and manage the application of project scope controls.	
These tasks may be simulated or real. The participant is to gather evidence of how they have completed each component of the Practical Task, which is to be submitted with this Practical Assessment sheet. The observer is to provide detailed comments on the tasks completed by the participant. The assessor is to verify the observer's comments in the Assessor Comments section, and provide the Practical Assessment outcome on the front cover of this document.	
Resources required: Project documentation, Organisational documentation.	
Assessment of task	
Name of participant:	JOEL DOTA.
Name of observer:	Luke Gage
Role of observer (Confirm suitability to sign)	Project Manager
Email address of observer	Luke.gage@stoweaustralia.com.au
Signature of observer:	
Date:	Click here to enter a date. 06-07-20
When completing the task, did the participant:	Tick if satisfactorily completed. Provide comments if left unticked.
1 Conduct project authorisation activities	
1.1A. Develop and confirm procedures for project authorisation with an appropriate authority.	☒
1.1B. Obtain authorisation to expend resources.	☒
1.1C. Confirm project delegations and authorities in project governance arrangements.	☒
2 Define project scope	
1.2A. Identify, negotiate and document project boundaries.	☒
1.2B. Establish measurable project benefits, outcomes and outputs.	☒
1.2C. Establish a shared understanding of desired project outcomes with relevant stakeholders.	☒
1.2D. Document scope management plan.	☒
3 Manage project scope control process	
1.3A. Implement agreed scope management procedures and processes.	☒

1.3B. Manage impact of scope changes within established time, cost and quality constraints according to change control procedures.	☒
1.3C. Identify and document scope management issues and recommend improvements for future projects.	☒
The participant's performance was: ☒ Satisfactory ☐ Not Satisfactory	

OBSERVER COMMENTS

Joel Has the task of reading and understanding the project scope at hand and making sure we are working within the confines of that document. Any change to the project scope and a Variation is submitted as-well as a Request for information is utilised. Any changes are going to affect the duration of the project as Joel will have to manage the labour aspect as-well.

2.0 SCOPE

2.1 GENERAL

01 The following works shall be undertaken within the base building facility. Note that specific fit-out aspects will form part of the base building works package, including, but not limited to, lighting, lighting control, emergency lighting, EXIT sign luminaire systems, and the lightning protection system. The Contractor shall coordinate with the contractor undertaking these specific fit-out works. Refer to the base building fit-out drawings for details of these works.

02 The Contractor shall present a detailed programme of work which identifies any potential risks to the business and how the risk can be minimised.

03 The site is to be constructed adjacent to the Client's existing data centre. Whilst no works are required to the existing data centre, all works in close proximity to the existing electrical services, or to the electrical or cooling supply to the IT load will require method statements and risk assessments signed by the Client's Representative. If for any reason shutdowns and isolations were to be required (this is not envisaged as being required) these must follow the client's isolation procedures.

2.2 SITE WORKS GENERAL REQUIREMENTS

01 The Contractor shall be responsible for all works detailed in this specification and the associated drawings and, in particular, the following items:

- a. Planning of construction of The Works in line with the project's programs, costs and other expectations.
- b. Coordination of the works to minimise disturbance to adjacent buildings including the existing data centre in accordance with DA conditions.
- c. Installation, commissioning and balancing of the works to deliver successful performance of the system including achieving the sustainability objectives as set down by this Specification and BCA requirements.
- d. Cooperation with all stakeholders with a view to deliver a successful and outstanding project and asset for the Client.
- e. Liaising with Statutory bodies Authorities including those supplying

services to the site.

f. Inspecting all plant, equipment and materials as delivered or, where specified, at the manufacturers' works.

g. Ensuring that all equipment provided is type approved for the completion of the installation and, if not, obtaining the necessary approvals in time to suit the installation.

h. Safe and secure storage of plant and equipment on site including full weather and dust protection.

i. Demonstrating that the overall and completed systems perform correctly in the required manner and as intended by the Specification to the satisfaction and acceptance of the Engineer

j. Testing and commissioning of the entire system, including adjusting and balancing, as necessary.

k. Provide fire sealing to all penetrations in accordance with the latest codes and legislation.

l. Coordinate with the all other contractors and building trades.

m. Allow to participate fully in Integrated Systems Testing (IST) and Power Usage Effectiveness (PUE) testing under the direction of a professional Commissioning Manager appointed by the Client for a period of two weeks.

n. Warrant the Contract Works for 12 months from date of Practical Completion.

o. Provide all planned preventative maintenance during the 12-Month Defects Liability Period.

p. Provide full details, shop drawings and as built drawings in both BIM and AutoCAD format. BIM models to be produced in Revit to the following detail as defined in American Institution of Architects (AIA) document E202:

1. Workshop drawings – LOD300.

2. Fabrication drawings – LOD400.

3. As-Built drawings I – LOD400.

- q. Provide full plant replacement shop drawings and strategy document for all serviceable items.
- r. Provide operating and maintenance (O&M) documentation to the Client's standards, to a format to be agreed with the Client. Include for providing two copies and one soft copy of the draft four weeks prior to completion and two copies and four soft copies of the final version at completion. Generic O&M information is not to be relied on solely and, therefore, the Contractor shall include for providing specific project information including all control diagrams, components, MTBF/MTTR information, operation, literature, general and detailed information.
- s. Include for closely liaising and co-operating with all others carrying out associated works and also the Commissioning Manager to ensure that the Contract Works are fully co-ordinated with the works of others during installation and commissioning.
- t. Instruct Client's staff fully on operating and maintenance procedures. Include for two (2) days specifically for this instruction procedure on dates to be agreed with the Client. Provide one (1) days refresher training for the Client's staff three (3) months after Practical Completion.

02 Nothing less than the requirements stipulated will be accepted without prior approval by the Client's Agent.

2.3 DEMOLITION AND INVESTIGATIVE WORKS

01 Investigative works form part of the Contractors requirement. These works shall be carried out to confirm the existing site conditions and services.

- a. Allow to investigate and confirm location of all services.
- b. Contractor to establish complete familiarity with the existing site and services, to enable detailed coordination of the new systems with the existing building.
- c. Generally, any existing services on the site made redundant by the works shall be demolished back to the point of connection ready for connection of new services as required.

- d. Demolished services shall be removed from site.
- e. Disruption to the site operation due to lack of understanding of the systems will not be accepted.

2.4 SITE ELECTRICAL WORKS

01 The Contractor shall be responsible for the complete electrical installation in particular the following items:

2.4.2 Electrical Works

01 Provide the following new LV switchgear:

02 Provide LV Distribution boards:

- a. Provide the LV distribution boards detailed on the drawings and schedules and indicated to be current works.

03 Provide LV submain cabling as detailed on the drawings and the schedules, including the following:

- a. Submain cabling from the ATSS to the light and power distribution boards shall be provided and terminated by the Electrical Contractor.
- b. Submain cabling from the ATS to the NOC distribution board shall be provided and terminated by the Electrical Contractor.
- c. Submain cabling from the ATSS to the chillers shall be provided and terminated by the Electrical Contractor.
- d. Submain cabling to the chillers shall be terminated directly into the chiller integral isolator. Lugs shall be provided by the chiller provider; coordinate with the chiller provider.
- e. Submain cabling from the ATSS to the chilled water pumps VSDs shall be provided and terminated into an isolator adjacent to the VSD by the Electrical Contractor. Cabling from the isolator to the VSD and from the VSD to the chilled water pumps shall be provided by the Mechanical Contractor.
- f. Submain cabling from the main switchboards to the five (5) Mechanical Control Centre switchboards.
- g. Pay particular attention to providing appropriate mechanical restraint to cabling as appropriate for the fault level.

h. Pay particular attention to the installation of the submain cabling on the cable ladders to ensure that sufficient space is left on the cable ladders for submain cabling in future stages.

i. All submain cables shall utilise stranded flexible conductors.

04 Provide LV Busduct Systems:

a. Supply and Install the following LV 1,600A (63kA for 1s), trunk busduct systems:

b. Supply and Install the following LV 250A (20kA for 0.1s; 13kA for 1s), row busduct systems:

05 Provide Containment Systems as detailed on the drawings.

a. Provide containment systems as detailed on the drawings. Provide additional containment as required to make the final connection to all switchboards and equipment to ensure that cables are supported for their whole length.

b. All interior containment is to be black powder coated unless specifically stated otherwise. Containment support systems including all drop rods, Unistrut and fixtures are to be hot-dipped galvanised.

c. All exterior containment systems are to be hot-dipped galvanised. Roof mounted cable trays and ladders are to be mounted on concrete plinths provided by the Main Contractor to prevent damage to the roofing membrane. External containment trays are to be provided with peaked galvanised steel covers.