

RCloud Tasking Form – Part B: Statement of Requirement (SoR)

Title of Requirement	Redacted Under FOI Exemption
Requisition No.	1000170095
SoR Version	0.1

1.	Statement of Requirements
1.1	Summary and Background Information
	Decentralized sensor networks require techniques to maximize the information obtained about the environment within practical constraints. These networks must trade-off responsiveness against accuracy. This research will investigate how to enable a sensor network to intelligently reason about how to allocate its computational resources in an optimal fashion.
1.2	Requirement
	<p>A graduate student is required to undertake the outlined project.</p> <p>The key challenge in this context is ensuring we can reason about what we might calculate elsewhere and in the future without actually performing the calculation itself: we need statistical models for the future distributed processing tasks just as sensor management uses models for future sensing tasks.</p> <p>The focus of the PhD will therefore centre on developing statistical emulators that can predict how computation will process data and generate information. Once those emulators exist, the focus will be on using the emulators to schedule distributed computational resources.</p> <p><u>Proposed Payment Plan for PhD Studentship</u></p> <p>Redacted Under FOI Exemption</p> <p>Redacted Under FOI Exemption</p> <p>Redacted Under FOI Exemption</p> <p>Redacted Under FOI Exemption</p> <p>Redacted Under FOI Exemption</p>

	<p>NOTE: Payment will be annually in arrears, and upon satisfactory completion of all deliverables at the end of each PhD Year.</p> <p><u>Additional Definitions</u></p> <p>"PHD Year" A consecutive twelve (12) Month period during the Term, commencing on the date that the Authority formally confirms approval of the student in writing</p>
1.3	Options or follow on work <i>(if none, write 'Not applicable')</i>
	Not Applicable
1.4	Contract Management Activities
	<ul style="list-style-type: none"> • Redacted Under FOI Exemption
1.5	Health & Safety, Environmental, Social, Ethical, Regulatory or Legislative aspects of the requirement
	To be the responsibility of the contractor to identify and action appropriately as required.

Ref.	Title	Due by	Format	Expected classification (subject to change)	What information is n deliverab
[Redacted]	Redacted Under FOI Exemption [Redacted] [Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted] [Redacted] [Redacted]
[Redacted]	[Redacted] [Redacted]	[Redacted] [Redacted]	[Redacted]	[Redacted]	[Redacted] [Redacted]
[Redacted]	[Redacted] [Redacted]	[Redacted] [Redacted]	[Redacted] [Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted] [Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

Redacted Under FOI Exemption

1.7	Deliverable Acceptance Criteria
	If upon review of the progress reports and/or the final PhD thesis, the Authority/ Redacted does not accept the deliverables, the Contractor shall provide acceptable replacements at no additional cost to the Authority.

2	Evaluation Criteria
2.1	Method Explanation
	Evaluating this based on technical compliance and affordability.
2.2	Technical Evaluation Criteria
	Confirmation that the proposal fully meets the Authority's Statement of Requirement. Pass/Fail
2.3	Commercial Evaluation Criteria
	<div style="background-color: black; color: yellow;">Redacted Under FOI Exemption</div> <div style="background-color: black; height: 15px; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 45%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 65%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 35%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 55%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 20%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div> <div style="display: flex; justify-content: space-between;"> <div style="background-color: black; height: 15px; width: 50%;"></div> <div style="background-color: black; height: 15px; width: 10%;"></div> </div>