

# Merit Indicators

## 1. Relevance and Outcomes

	Exceptional	Exceeds	Meets	Does not satisfy
<p><b>1.1</b> Significance of the research and the intended outcomes, and the alignment with the NQS mission to advance quantum computing hardware and software, further develop areas of Canadian strength and leadership, and foster expertise in both countries.</p>	<p>The proposed outcomes are of <b>exceptional importance</b> to Canada. The expected outcomes will be of the <b>highest impact</b> for Canadians. The research will <b>very likely</b> increase or accelerate the development of Canadian quantum computing hardware, software and algorithms and foster quantum computing expertise in both countries.</p>	<p>The proposed outcomes are <b>very important</b> to Canada. The expected outcomes will have <b>high impact</b> for Canadians. The research will <b>likely</b> increase or accelerate the development of Canadian quantum computing hardware, software and algorithms and foster quantum computing expertise in both countries.</p>	<p>The proposed outcomes are <b>important</b> to Canada. The expected outcomes will have <b>impact</b> for Canadians. The research <b>may</b> increase or accelerate the development of Canadian quantum computing hardware, software and algorithms and <b>may</b> foster quantum computing expertise in both countries.</p>	<p>The proposal does not adequately establish why the topic is important to Canada. It does not adequately identify how outcomes will have impact for Canadians. The proposal does not adequately demonstrate how it will increase or accelerate the development of Canadian quantum computing hardware, software or algorithms or how it will foster quantum computing expertise in both countries.</p>

## 2. Collaboration

	Exceptional	Exceeds	Meets	Does not satisfy
<p><b>2.1</b> Added value of the proposed international collaboration for Canada and the rationale for the selected international collaborator(s).</p>	<p>The proposal demonstrates <b>strong synergy</b> among the Canadian and international participants.</p> <p>Each collaborator from France brings an <b>essential role</b> to the research effort and demonstrates a <b>high level of capacity</b> to achieve the desired outcomes.</p>	<p>The proposal demonstrates <b>synergy</b> among the Canadian and international participants.</p> <p>Each collaborator from France brings a <b>valuable role</b> to the research effort and demonstrates <b>the capacity</b> required to achieve the desired outcomes.</p>	<p>The proposal demonstrates <b>complementarity</b> among the Canadian and international participants.</p> <p>Each collaborator from France brings an <b>active role</b> to the research effort and demonstrates <b>some level of capacity</b> to achieve the desired outcomes.</p>	<p>The proposal does not adequately demonstrate a complementarity or synergy among the Canadian and international participants.</p> <p>Not all collaborators from France play an active role in the research effort or demonstrate a capacity to achieve the desired outcomes.</p>

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## 3. Training

	Exceptional	Exceeds	Meets	Does not satisfy
<p><b>3.1</b> Opportunities for enriched training experiences for undergraduate, graduate or postdoctoral trainees to develop research and professional skills (e.g., leadership, communication, collaboration, entrepreneurship); where possible and relevant, international experiences for Canadian trainees are encouraged.</p>	<p>Through an <b>exemplary environment</b> or <b>leading-edge approach</b>, the project will provide an <b>enriched</b> training experience that leads to <b>innovative and valuable</b> skills appropriate to all levels of trainees.</p>	<p>Through a <b>high-quality environment</b> or <b>approach</b>, the project will provide a training experience that leads to <b>valuable</b> skills appropriate to all levels of trainees.</p>	<p>The project will provide a training experience that leads to <b>relevant</b> skills appropriate to all levels of trainees.</p>	<p>The proposal did not adequately establish that the project will provide an enriched experience for research trainees. The opportunity to develop relevant skills was not sufficiently described.</p>

## 4. Equity Diversity and Inclusion (internal assessment)

	Exceptional	Exceeds	Meets	Does not satisfy
<p><b>4.1</b> Consideration of equity, diversity and inclusion (EDI) in the research and training environment.</p>	<p>The proposal outlines a training plan with <b>innovative practices</b> that support EDI.</p>	<p>The proposal outlines a training plan with <b>advanced practices</b> that support EDI.</p>	<p>The application outlines a training plan with <b>practices that consider</b> EDI.</p>	<p>The application does not adequately outline that EDI has been appropriately taken into consideration.</p>

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## 5. Quality of the proposal

	Exceptional	Exceeds	Meets	Does not satisfy
<p><b>5.1</b> The need for original research to address the topic and the potential for generating new scientific knowledge.</p>	<p>The proposal demonstrates that the topic will be addressed through <b>exceptionally innovative research</b>. The research has <b>potential to contribute to a scientific breakthrough in the field</b>.</p>	<p>The proposal demonstrates that the topic will be addressed through <b>highly original research</b>. The research has <b>potential for a significant advance in the field</b>.</p>	<p>The proposal demonstrates that the topic will be addressed through <b>original research</b>. The research includes <b>some concepts or directions that may lead to an advance in the field</b>.</p>	<p>The proposal did not sufficiently demonstrate that the topic will be addressed through original research or is not well positioned within the state-of-the-art. It is not clear how the research will lead to new concepts or directions.</p>
<p><b>5.2</b> Clarity of the objectives and appropriateness of the proposed research to achieve the objectives and expected outcome(s); justification for the planned expenditures.</p>	<p>The objectives and the deliverables <b>are comprehensive</b>; the planned activities are <b>highly likely</b> to achieve the objectives and expected outcomes. The expenditures are <b>clearly aligned</b> with the activities and <b>justified</b>.</p>	<p>The objectives and the deliverables <b>are clearly defined</b>; the planned activities are <b>likely</b> to achieve the objectives and expected outcomes. The expenditures are <b>aligned</b> with the activities and <b>justified</b>.</p>	<p>The objectives and the deliverables <b>are defined</b>; the planned activities are <b>somewhat likely</b> to achieve the objectives and the expected outcomes. The expenditures are <b>reasonably aligned</b> with the activities and <b>justified</b>.</p>	<p>The objectives and deliverables are not adequately defined, or the planned activities are not appropriate to achieve the objectives and expected outcomes. The expenditures are not adequately justified.</p>
<p><b>5.3</b> Appropriateness of academic researchers' expertise, and that found within the collaborators, both for carrying out the planned research activities and in mentoring trainees.</p>	<p>The collective expertise of the participants is <b>highly appropriate to successfully</b> carry out the activities. The principal investigators have <b>exceptional</b> capabilities to manage the project, having <b>successfully managed similar projects</b> in the past or <b>have clearly demonstrated</b> the potential to do so.</p>	<p>The collective expertise of the participants is <b>appropriate</b> to carry out the activities. The principal investigators have the capabilities to <b>manage the project</b>, having managed similar projects in the past, or have <b>demonstrated</b> the potential to do so.</p>	<p>The collective expertise of the participants is <b>sufficient</b> to carry out the activities. The principal investigators have <b>largely demonstrated</b> the capabilities to manage the project.</p>	<p>The application does not adequately demonstrate that the participants have the collective expertise needed to carry out the research and/or the capacity to manage the project.</p>