



5G (ENCQOR) Demonstration Program

PROPOSAL QUESTIONS

OCE Office use only

APPLICATION DATA	
Project Title	Enter Application Title
Application Number	

1: TECHNOLOGY AND MARKET OPPORTUNITY

- A. Briefly describe your company, its products and services.
- B. What is the status of your technology from a product/process maturity standpoint? Is it in development, commercially launched or generating revenues? Indicate the relevant TRL level (see guidelines for TRL level listing).
- C. Describe the problem and market need/opportunity you are looking to address with the proposed project.

- A. (Type Here)
- B. (Type Here)
- C. (Type Here)

2: SOLUTION AND PLATFORM(S) USE

- A. Describe your proposed solution.
- B. How do you intend to use the iPaaS testbed in the proposed project?
- C. Describe how the iPaaS testbed is going to accelerate the advancement of your solution and go-to-market strategy. What would be the impact if you didn't have access to the iPaaS testbed?

- A. (Type Here)
- B. (Type Here)
- C. (Type Here)

3: PROJECT PLAN AND TEAM

- A. Describe your project including a high-level plan, scope, key activities, team and deliverables
- B. How are you going to implement your project plan?
- C. Provide a list of your project risks and describe your mitigation strategy in relation to each risk item.

- A. (Type Here)
- B. (Type Here)
- C. (Type Here)

4: STRATEGIC PARTNER

*** ONLY COMPLETE IF YOUR PROJECT INVOLVES A STRATEGIC PARTNER. A STRATEGIC PARTNER IS NOT MANDATORY FOR THIS PROGRAM.**

- A. Describe your Strategic Partner, its products and services, the market(s) it addresses and the extent of its Ontario operations (number of employees, type (e.g. R&D, production, sales), etc.).
- B. What specific needs of your strategic partner will the proposed project address? Describe your engagement with your strategic partner to date and engagement plan for the project.
- C. Describe your strategic partner's plan for solution adoption if project outcomes are favorable, including required resources, investment and timeline.

- A. (Type Here)
- B. (Type Here)
- C. (Type Here)

5: OUTCOMES AND IMPACT

- A. What are the key outcomes of the proposed project for your company, and if applicable for your strategic partner, from a technical and business standpoint?
- B. Briefly describe the return on investment of the proposed project for your company and the strategic partner (if applicable). Describe anticipated new/improved products, services, sales increase, jobs created and sustained, attraction of investment, sustainable competitive advantage and social and environmental benefits.
- C. Describe the benefits of the proposed project to Ontario.

- A. (Type Here)
- B. (Type Here)
- C. (Type Here)

6: PROJECT INTEGRATION

***THIS SECTION IS MANDATORY IF YOU ARE APPLYING FOR MORE THAN ONE ATP PROGRAM (I3 OR NGNP DEMONSTRATION PROGRAM)**

- A. Outline the similarities/differences between the ATP demonstration projects you are applying for and explain any connection between the projects.
- B. Describe any dependencies (technical/outcome related) between the projects.

- A. (Type Here)
- B. (Type Here)



7: INTERNSHIP

*** PLEASE ADDRESS THE QUESTIONS BELOW IF INTERNSHIP IS SELECTED. OTHERWISE, INDICATE AS N/A.**

- A.** Describe why the Intern(s) is suitable for this project. Consider including career goals and how this internship may help achieve them; any relevant experience, positions, or achievements that demonstrate the Intern's suitability to work on this project.
- B.** Describe the extent of hands-on interaction the companies will offer the Intern, including the amount of time the Intern will spend on-site or in the field with the company and any opportunities for hands-on interaction and/or mentorship.

A. (Type Here)

B. (Type Here)

8: PREVIOUS AND CURRENT OCE PROJECTS:

- C.** Provide a brief description of all OCE projects in which your company is involved, including previously completed, currently active, or submitted projects from all OCE programs.
- D.** Indicate how this new application relates to the company's previous and current projects.

C. (Type Here)

D. (Type Here)

9: ENCQOR 5G IPASS NETWORK SERVICE REQUEST/ PROJECT NEEDS:

Please complete the questions below to the best of your current knowledge of the project and testbed infrastructure.

A NOTE TO THE COLLEGE OF REVIEWERS- Questions 9 & 10 are part of the technical assessment. COR members are not required to include content from questions 9 & 10 in their assessment.

SERVICE	
<input type="checkbox"/>	Wireline
<input type="checkbox"/>	5G high speed Wireless
<input type="checkbox"/>	5G low latency Wireless
<input type="checkbox"/>	5G Internet of Things (IoT) Wireless
<input type="checkbox"/>	IP Multimedia Subsystem (IMS)
<input type="checkbox"/>	Other
TYPE OF TRAFFIC (PLEASE ALSO SEE QUESTION 10)	
<input type="checkbox"/>	Unicast
<input type="checkbox"/>	Multicast
<input type="checkbox"/>	Other- please specify
QUALITY OF SERVICE (QOS)/LATENCY/BANDWIDTH	
<input type="checkbox"/>	QoS (Quality of Service) requirements- please specify
<input type="checkbox"/>	Latency (milliseconds) - please specify
<input type="checkbox"/>	Bandwidth requirement between devices (Gigabits)- please specify
COMPUTE REQUIREMENTS	
<input type="checkbox"/>	Number of cores
<input type="checkbox"/>	Memory (Gigabytes)
<input type="checkbox"/>	Storage Space (Gigabytes)
<input type="checkbox"/>	NIC/Network card speed (1Gbps/10Gbps)

HARDWARE, SOFTWARE AND CONNECTIVITY NEEDS		
<input type="checkbox"/>	5G Mobile/Device	Numbers of mobiles
<input type="checkbox"/>	Ericsson Internet of Things (IoT) Accelerator	
<input type="checkbox"/>	Ciena Emulation Cloud	
<input type="checkbox"/>	Ciena SDK (Software Development Kit)	
<input type="checkbox"/>	Thales SDK (Software Development Kit)	
<input type="checkbox"/>	CGI SDK (Software Development Kit)	
ENCQOR Hub		
<input type="checkbox"/>	Montreal Hub	
<input type="checkbox"/>	Quebec Hub	
<input type="checkbox"/>	Ottawa Hub (Invest Ottawa)	
<input type="checkbox"/>	Waterloo Hub (Communitech)	
<input type="checkbox"/>	Toronto Hub (MaRS)	
<input type="checkbox"/>	Traffic flows	
<input type="checkbox"/>	Montreal Hub	
<input type="checkbox"/>	Quebec Hub	
<input type="checkbox"/>	Ottawa Hub	
<input type="checkbox"/>	Waterloo Hub	
<input type="checkbox"/>	Toronto Hub	
<input type="checkbox"/>	Connectivity type to ENCQOR network	
<input type="checkbox"/>	L2	
<input type="checkbox"/>	IPSec VPN (ex. SME 1 /// IoT)	
<input type="checkbox"/>	Others (e.g., SME CPE local/remote)	
<input type="checkbox"/>	Other	

SME TECHNOLOGY	
<input type="checkbox"/>	Native (device/Server)
<input type="checkbox"/>	Virtual aggregation cloud
<input type="checkbox"/>	Virtual public cloud - include compute requirements
<input type="checkbox"/>	ENCQOR Cloud
<input type="checkbox"/>	CANARIE DAIR Cloud



10: TRAFFIC FLOW DIAGRAM:

Please paste into the space below or upload as an application attachment.

Please provide a high-level diagram of the expected traffic flow(s) if appropriate. The diagram should identify wireless devices (handset, IoT, etc.), x86 server(s), user access to wireless device and/or server(s), etc. If the device is wireline or combination of wireline and wireless please provide the same. If traffic is multicast/anycast please provide details of the traffic flow and protocols.

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