
Effectiveness Criteria

(As included in *Microsystems and Nanotechnology: Enabling Innovation and Economic Competitiveness*, an NDN proposal to NSERC, June 2015)

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| <ol style="list-style-type: none">1. Realized or potential economic and social benefits to Canada
Measures include:<ol style="list-style-type: none">a) contributions and prospective benefits to the National Design Networkb) knowledge transferred between university researchers and industry (both directions)c) successful commercialization of researchd) realized and prospective benefits to quality of life, health and the environment2. Demonstrated industrial relevance of research
Measures include:<ol style="list-style-type: none">a) scope and nature of industrial collaborationb) financial or in-kind contributions received from the private sector for research3. Contribution made to maintaining or promoting the standard and status of microsystems research and technology development that has the potential to be exceptional by international standards
Measures include:<ol style="list-style-type: none">a) novelty and quality of researchb) refereed journal and conference papersc) documented indications of national and international recognitiond) invited seminars, workshops, conference leadership4. Contribution to the education of highly trained people for industry, research and education in the field of microsystems
Measures include:<ol style="list-style-type: none">a) number of students, post-doctoral fellows and research associates receiving relevant microsystems experienceb) number of people moving to jobs in Canadian industry, academia or research labsc) number of people participating in microsystems-related continuing education programs |
| <ol style="list-style-type: none">5. Demonstrated need for requested resources (such as fabrication, test access, development hardware, IP, etc.) for microsystems research, technology development and education
Measures include:<ol style="list-style-type: none">a) requirement for completion of research thesesb) requirement for publicationc) required for proof-of-concept or other industrial validation or relevant pre-commercial activity6. Demonstrated or potential to demonstrate broad and sustained research and technology development collaboration among researchers, or among research institutions, or across disciplines, or across sectors
Measures include:<ol style="list-style-type: none">a) number of researchers involved in relevant research and technology development projectsb) number of research institutions involved in relevant research and technology development projectsc) number of disciplines involved in relevant research and technology development projects number of sector interests represented in relevant research and technology development projects |

Notes:

1. Weighting of the above criteria will initially be equal but weighting may change, at the discretion of the CMC Board of Directors, to allow influence to be exercised on different areas as circumstances change. Current weightings will be communicated to applicants.
2. Effectiveness will be assessed on a sliding, multi-year basis. Information presented in applications will be limited to the preceding five years.
3. To take care of special situations the criteria should be subject to fair and open judgment.

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