Presentation to ISI Board
May 16 2019

ECN
NB PEI Educational Computer Network

RIÉ
NB ÎPE Réseau Informatique Éducatif
### Context: Challenges facing Higher Education Institutions in NB and PEI

<table>
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<th>Challenges</th>
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<td>Students, faculty and Staff – digital warriors, diverse expectations, change in solutions</td>
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<td>Increasing demand for network &amp; IT solutions vs availability of $ and human resources</td>
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<td>Constant threat of cyber-attacks</td>
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<td>IT Solutions shifting to the cloud</td>
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<td>Succession Planning ; Attracting and retaining key IT talent with significant wage disparity</td>
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<td>Transformation in how IT is being delivered/accessed and supported varies by institution</td>
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<td>Legacy systems: refresh, replace or retire</td>
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<td>10 distinct institutions of NB PEI ECN with a mix of common and disparate technologies</td>
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• MISSION
   To ensure high quality Information and Communication Technology (ICT) services to all member institutions in New Brunswick and Prince Edward Island

• VISION
   To apply our collective skills and resources to the betterment of the New Brunswick and Prince Edward Island higher education communities through the deployment of state of the art technology while saving money for our provinces and institutions

• VALUES
   Honesty, Collaboration, Collegiality, Openness, Trust
Evolution of NB PEI ECN
49 years of collaboration and cooperation

- **1970**: NB Educational Computer Network formed with NB higher Education Commission, Mt A, l’Universite de Moncton, UNB and St Thomas.
- **1974-1975**: MPHEC formed and assumed stewardship (1974); UPEI joins the network and organization renamed NB PEI ECN (1975).
- **1992**: Holland College joins.
- **1997**: Maritime College of Forest Technology joins.
- **2017**: NB Public Colleges - NBCC and CCNB join.
NB PEI ECN Governance Model

Organization is governed by a 5 year agreement approved and signed by Board of Directors

Network committee functions under terms and conditions of 5 year agreement and operates within the context of Board approved 3 year Strategic Plans

Board of Directors:
Presidents of member institutions and CEO of MPHEC

MPHEC:
Recording Secretary (non voting)

Network Committee:
Senior IT Positions of Each Member Institution
ECN: Recent Accomplishments

Connectivity - Partner with CANARIE to expand into St. Andrews NB; Renewal of Internet Services Contract; NBCC and CCNB Federated identity implemented;

Shared Services - Data Center Consolidation and Disaster Recovery Project, Messaging and Collaboration Project (Sharepoint);
ECN Cyber Security Initiatives - Fortinet Firewall implementations, Threat Risk Assessment and Network Penetration

Joint procurement - Anti Spam, Anti Virus

Professional Development - CANHEIT Hosts, AUCTC Hosts, Annual ECN member workshop, Shared Training opportunities

National Representation and Sharing of Information and Best Practices - National Research Education Network (NREN), CANARIE CIO Advisory Committee, CUCCIO Board

Organizational – Developed and operationalized Communication Plan, ECN Video, Revised External website in both languages, Shared communication using SharePoint and Microsoft Teams, ECN Contract Renewal
ECN: 2018 -2021 Strategic Goals

Connectivity - Improve bandwidth in Southern NB, Internet Services Contract, Expand use of eduROAM

Shared Services - Expand SIEM implementation, Deliver User education and awareness, Improve security incident response planning, Investigate a shared Security Operations Center for security and network monitoring, Expand use of MS O365 use including Integrated security and Telephony capabilities

Joint procurement - Anti Spam, Anti Virus, End Point Management, Privileged Access Management Third party patching, Review and update DR planning for members

Professional Development – CANHEIT, AUCTC, Annual ECN member workshops, Shared Training opportunities in cyber security

National Representation and Sharing of Information and Best Practices – National Research Education Network, CANARIE CIO Advisory Committee, CUCCIO Board

Organizational – National REN Conference hosted by Atlantic REN and ECN 50h Anniversary, ECN Video, extend use of SharePoint and Microsoft Teams, ECN Contract Renewal
Inaugural Winner of CUCCIO Award for Collaboration