

# Government Network Modernization

February 2016



**OCIO**  
Office of the Chief Information Officer

# Government Network Modernization

- Government is transitioning from its legacy data network to TELUS' advanced data network
  - Instead of running a network government will purchase a managed service from TELUS.
  - Government and school sites will be connected to this network location by location, with the occasional site being connected by a small service provider.
  - This managed service will provide
    - Higher performance
    - Greater bandwidth
    - Better security
  - Incentives expansion of TELUS' network footprint into rural and remote areas of the province

## Ministry of Education's Next Generation Network

- Ministry of Education is also transitioning to TELUS' advanced data network.
  - Modernizes internet access and increases connectivity for K-12 students.
  - Creates a more powerful and consistent network for digital curriculum delivery.
  - Provides a modern network that supports the Ministry of Education's strategic priorities.
  - Third year of a three year project ending December 2016.

## At Issue...

- The transition to the advanced network service through TELUS will reduce government revenue for some small service providers.
  - Twelve small service providers represent 13% (\$4.9M) of government's \$37M current annual spend.
  - They have a limited service footprint in the province.
  - Some of these small service providers also provide internet services to rural communities.
  - They provide their services using : wireless (radio), fiber and cable.



# Service Provider Consultations

Dates	Item
July 2011	<ul style="list-style-type: none"> <li>• TSMA signing</li> </ul>
Jan/Feb 2015	<ul style="list-style-type: none"> <li>• Initial concept discussion with PWI, ABC &amp; TNS</li> </ul>
Jul/Aug 2015	<ul style="list-style-type: none"> <li>• Explored concept of sub-contracting through TSMA</li> </ul>
Oct /Nov/Dec 2015	<ul style="list-style-type: none"> <li>• Service providers were given an opportunity to submit proposals for K-12 school sites where they had incumbent status.</li> <li>• The proposals had to fit within a certain budget envelope.</li> <li>• Government team met with each service provider to explain rationale and approach.</li> <li>• Scope was limited to K-12 schools sites because of project time pressure.</li> </ul>

Next phase will consider services associated with government sites transitioning to TELUS.

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- Services proposed were cost prohibitive especially at low bandwidths.
- Some services were widely and sparsely distributed making it difficult to integrate with TELUS' network.
- Some proposed services were impossible to integrate.

## Next Steps

- Develop a communication plan with GCPE.
- Complete stakeholder impact assessment.
- Communicate results of the procurement to the service providers.
- Communicate with impacted stakeholders.
- Conduct individual meeting with suppliers week of Feb 8 .
- Transition to new services by December 2016.

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## **Ministry of Education's Next Generation Network**

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  - Modernizes internet access and increases connectivity for k-12 students.
  - Creates a more powerful and consistent network for digital curriculum delivery.
  - Provides a modern network that supports the Ministry of Education's strategic priorities.
  - Third year of a three year project ending December 2016.

## At Issue...

- The transition to the advanced network service through TELUS will reduce government revenue for some small service providers.
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  - They have a limited service footprint in the province.
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  - They provide their services using : wireless (radio), fiber and cable.



# Service Provider Consultations

Dates	Item
July 2011	<ul style="list-style-type: none"> <li>• TSMa signing</li> </ul>
Jan/Feb 2015	<ul style="list-style-type: none"> <li>• Initial concept discussion with PWI, ABC &amp; TNS</li> </ul>
Jul/Aug 2015	<ul style="list-style-type: none"> <li>• Onboarding to the TSMa</li> </ul>
Nov/Dec 2015	<ul style="list-style-type: none"> <li>• Service providers were given an opportunity to submit proposals for K-12 school sites where they had incumbent status.</li> <li>• Government team met with each service provider to explain rationale and approach.</li> <li>• Scope was limited to K-12 schools sites because of project time pressure.</li> </ul>

Next phase will consider services associated with government sites transitioning to TELUS.

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# Government Network Modernization

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# Government Network Modernization

- Government is transitioning from its legacy data network to TELUS' advanced data network
  - Strategic outcome of the TSMA.
  - Second year of a four year project
  - Shifts gov't from technology to service manager.
  - Leverages advanced network features available on TELUS' national network.
    - Virtual network features will make it possible to implement an end to end security zone architecture for government which includes the network.
    - Quality of service features will make it possible to use applications that are sensitive to network performance such as VOIP/UC .
    - Network scalability features will make it easy to adjust bandwidth as network requirements change (e.g. increased use of videoconferencing).
    - Enhanced network monitoring and reporting features will make it possible to understand how the network is performing end to end.
  - Incentives expansion of TELUS' network footprint into rural and remote areas of the province

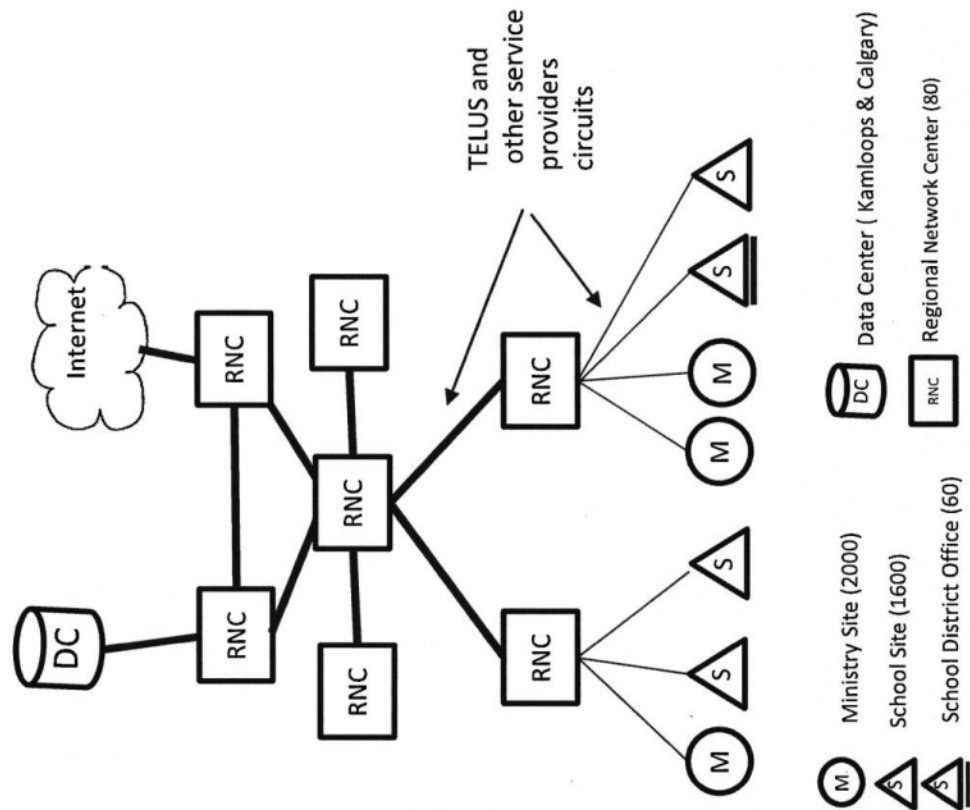
## Ministry of Education's Next Generation Network

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  - Modernizes internet access and increases connectivity for k-12 students
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# Current and Future Network Architectures

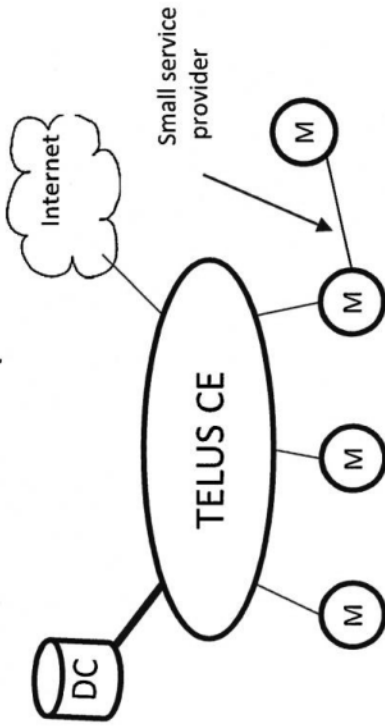
## Current

SPAN/BC

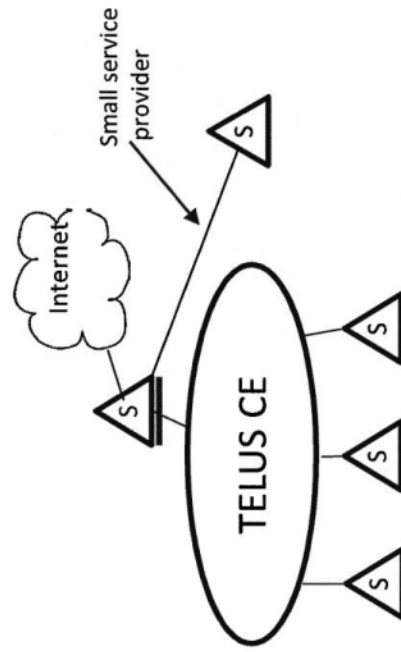


## Future

Government Enterprise Network



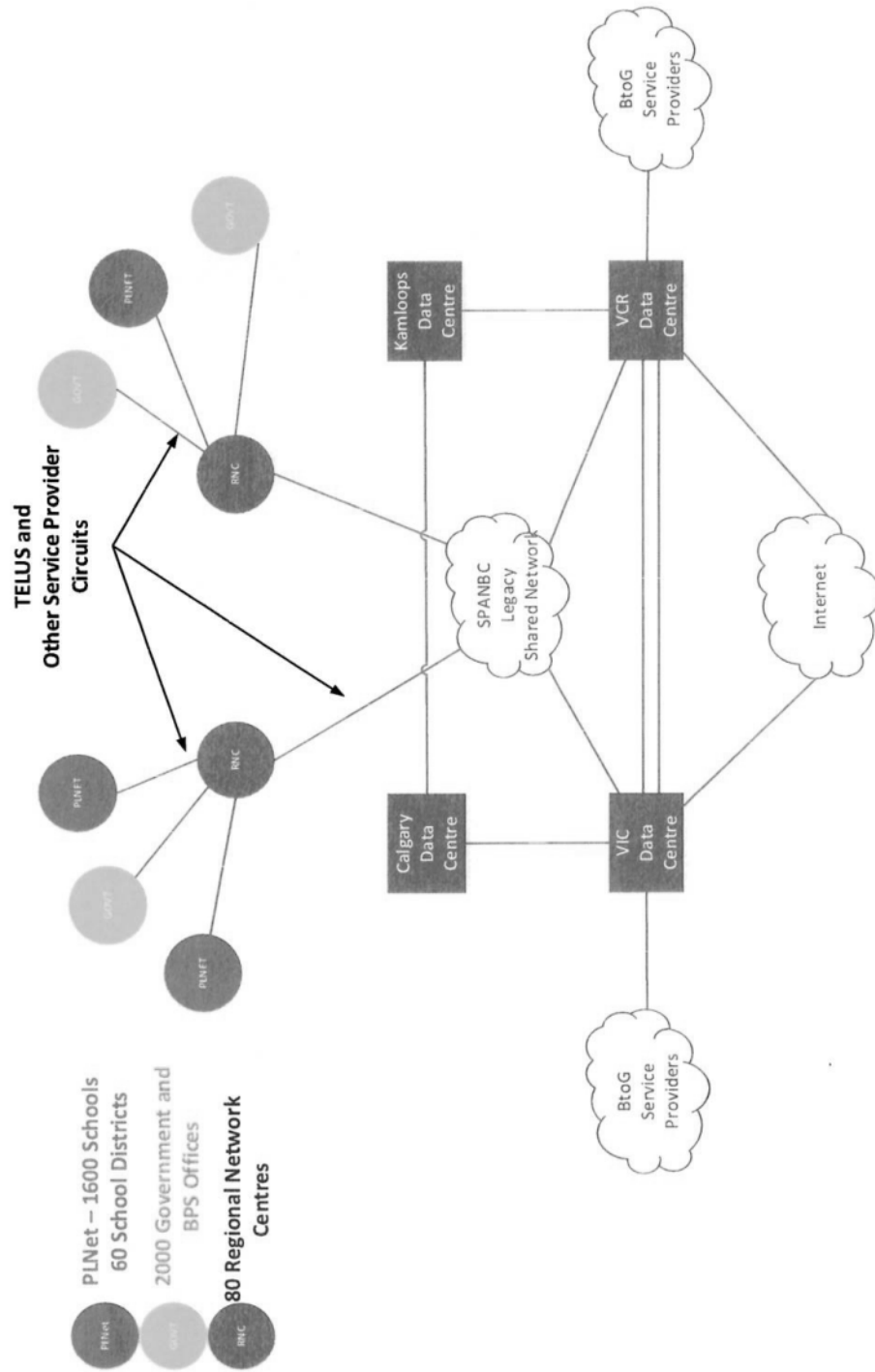
PLNet Next Generation Network



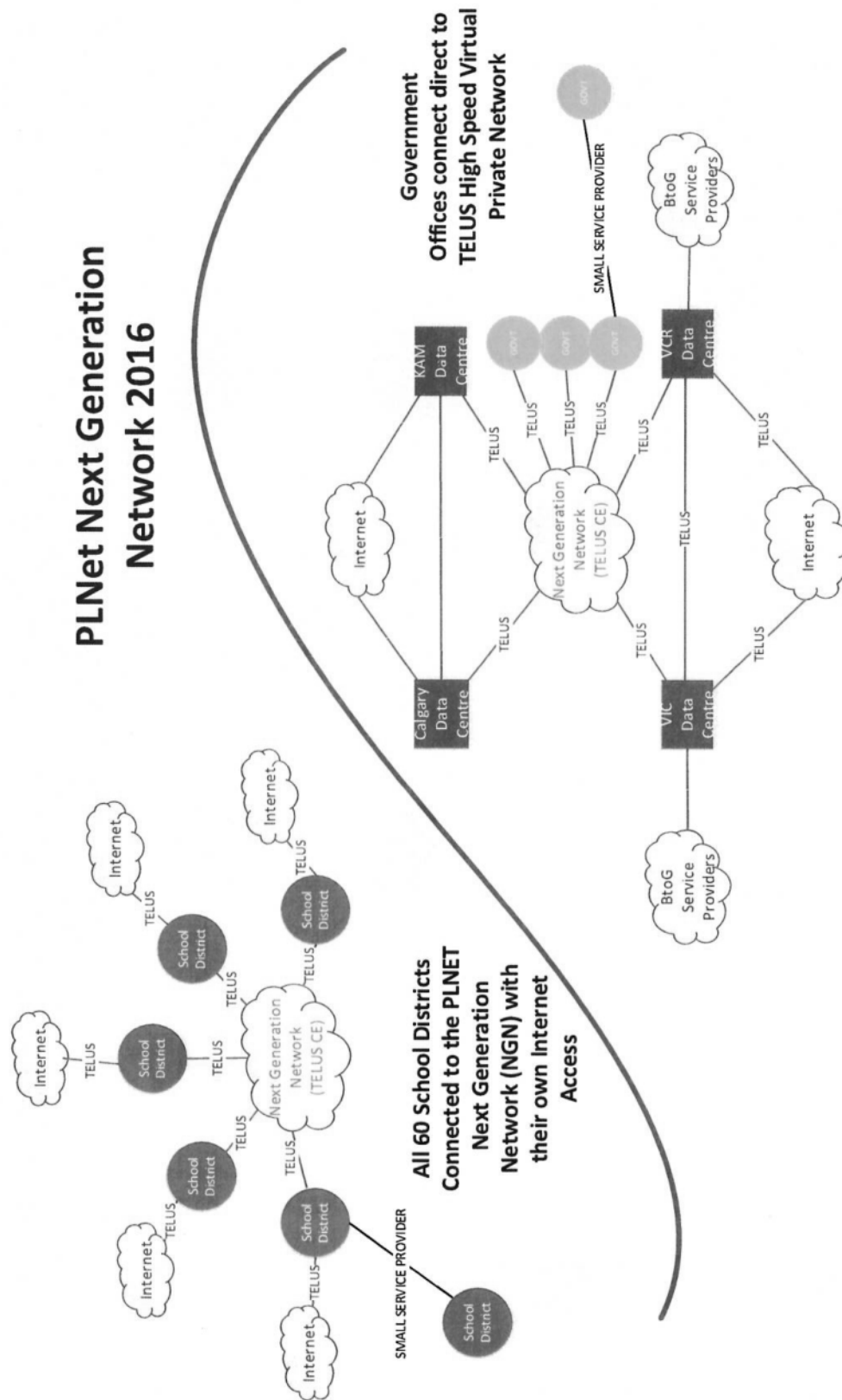
Repeated for 60 school districts



# Current Network Architecture – SPAN/BC



# Future Network Architecture



## At Issue...

- The transition to the advanced network service through TELUS will reduce government revenue for some small service providers.
  - Twelve small service providers represent 13% (\$4.9M) of government's \$37M annual spend.
  - They have a limited service footprint in the province.
  - Some of these small service providers also provide internet services to rural communities.
  - They provide their services using : wireless (radio), fiber and cable.

## Service Provider Consultations

- Government consulted with these small service providers.
  - Under certain conditions the services being offered can integrate with TELUS' network.
  - Service providers were given an opportunity to submit proposals for k-12 school sites where they had incumbent status.
  - In this phase the scope was limited to K-12 schools sites because of project time pressure.
  - Next phase will consider services associated with government sites transitioning to TELUS.

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- Some services were widely and sparsely distributed making it difficult to integrate with TELUS' network.
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## Next Steps

- Develop a communication plan with GCPE.
- Complete stakeholder impact assessment.
- Communicate results of the procurement to the service providers.
- Schedule individual meeting with suppliers.
- Transition to new services by December 2016.

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Vendor Billing - 2015 (recurring costs - excluding TELUS)

Summary: Billing amounts per vendor per Month (amounts \* \$ 1,000)

	201404	201405	201406	201407	201408	201409	201410	201411	201412	201501	201502	201503	Total
ABCCO	55.9	57.5	57.5	57.5	57.1	56.1	55.9	55.9	55.9	55.9	55.4	55.4	676.0
ALBSI	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	124.8
ALLSTREAM	33.6	32.6	32.8	32.8	32.6	34.1	34.1	34.1	34.1	34.1	34.1	34.1	403.3
BCNET	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	21.6
BELLGT	88.4	75.2	47.6	65.6	65.6	65.6	65.0	65.0	57.6	57.6	57.6	57.6	768.5
CBBC	6.5	6.5	0.0	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	91.8
City of Nelson	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	31.2
CITYWEST	37.4	37.4	37.4	37.4	37.4	42.9	38.7	38.8	38.7	41.2	38.7	38.7	464.9
CONUMA	0.0	48.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3
EASTLINK	28.9	28.9	28.9	28.5	28.5	28.5	28.7	28.7	28.7	28.7	28.7	28.7	344.4
ENTEL	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	90.4
INFOSAT	13.5	13.3	13.3	13.3	13.3	13.1	13.1	13.1	13.1	13.1	13.0	13.0	158.5
KCN	1.6	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	14.9
Keta (aka Jenacom)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	39.6
MASCN	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	17.1
NWTEL	133.0	133.0	131.5	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	132.1	1,586.2
PEER1	38.6	38.6	38.6	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	464.2
PWI	57.6	57.7	58.6	58.6	58.6	58.6	57.2	57.2	57.2	57.2	57.2	57.5	692.8

	201404	201405	201406	201407	201408	201409	201410	201411	201412	201501	201502	201503	Total
RADIANT	0.7	2.9	3.2	3.2	3.0	2.8	-3.1	0.0	0.0	0.0	0.0	0.0	12.8
SD51	59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.0
SD67	0.0	37.4	37.4	0.0	0.0	37.4	37.4	0.0	0.0	0.0	0.0	37.4	186.8
SHAW	76.1	53.8	59.6	59.6	58.8	58.0	58.0	58.0	58.1	58.1	58.1	50.5	706.9
TELEPHONE	75.4	76.1	75.4	51.0	62.5	65.2	65.2	65.2	75.8	67.6	67.6	67.6	814.8
Total	730.7	725.2	647.4	612.6	622.8	667.6	655.6	621.4	624.4	650.0	615.5	645.7	7,818.9

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School District # 33 - Chilliwack	Rutland Middle School	715 Rutland Road	KELOWNA
	Rutland Elementary School	620 Webster Rd	KELOWNA
	Rutland Secondary School	705 N Rutland Rd	KELOWNA
	School District No. 23 - Central Stores (Operations)	685 Dease Rd	KELOWNA
	School District No. 23 Administrative Offices	1940 Underhill St	KELOWNA
	SD23 Chute Lake Elementary	5240 Lark St	KELOWNA
	SD23 Kelowna Storefront School	580 Doyle Ave	KELOWNA
	Shannon Lake Elementary	3044 SANDSTONE DR	WESTBANK
	South Kelowna Elementary	4176 Spiers Rd	KELOWNA
	South Rutland Elem School	200 Mallach Rd	KELOWNA
	Springvalley Elementary School	470 Ziprick Rd	KELOWNA
	Springvalley Middle School	350 Ziprick Rd	KELOWNA
	Watson Road Elementary School	475 Yates Rd	KELOWNA
	A.D. Rundle Middle School	45660 Hocking Ave	Chilliwack
	Bernard Elem School	45465 Bernard Ave	Chilliwack
	Chance Alternate	7700 Prest Rd	Chilliwack
	Cheam Elem School	9895 Banford Rd	Chilliwack
	Chilliwack Central Elementary Community School	9435 Young Rd	Chilliwack
	Chilliwack Middle School SD33	46354 Yale Rd	Chilliwack
	Chilliwack SDO BI	8430 Cessna Dr	Chilliwack
	Chilliwack SDO WAN	8430 Cessna Dr	Chilliwack
	Chilliwack Secondary School	46363 Yale Rd	Chilliwack
	Cultus Lake Community School	71 Sunnyside Blvd	CULTUS LAKE
	East Chilliwack Elem School	49190 Chilliwack Central Rd	Chilliwack
	Education Centre For Academic Upgrading	8855 ELM DR	Chilliwack
	Evans Elementary School SD33	7600 EVANS RD	SARDIS
	F G Leary Fine Arts Elementary School	9320 Walden St	Chilliwack
	Fraser Valley Distance Education School	46361 Yale Road	Chilliwack
	Greendale Elementary School	6621 Sumas Prairie Rd	Chilliwack
	GW Graham Middle Secondary School	45955 Thomas Rd	Chilliwack
	Little Mountain Elem School	9900 Carleton St	Chilliwack
	McCammon Traditional Elementary School	9601 Hamilton St	Chilliwack
	Mount Slesse Middle School	5871 TYSON RD	Chilliwack
	Promontory Heights Community Elementary School	46200 Stoneview Dr	Chilliwack
	Robertson Elementary School	46106 Southlands Cres	Chilliwack
	Rosedale Traditional Community School	50850 Yale Rd RR 1	Chilliwack
	Sardis Elementary School	45775 Manuel Rd	Chilliwack
	Sardis Secondary School	45460 Stevenson Road	SARDIS
	SD33 Maintenance Office	44877 Yale Rd W	Chilliwack
	Strathcona Elementary School	46375 Strathcona Rd	Chilliwack
	Tyson Elementary School	45170 S Sumas Rd	Chilliwack
	Unsworth Elementary School	5685 Unsworth Rd	Chilliwack
	Vedder Elementary School	45850 Promontory Rd	Chilliwack
	Vedder Middle School SD33	45560 Sumas Rd S	Chilliwack
	Watson Elem School	45305 Watson Rd	Chilliwack
	Yarrow Community School	4605 Wilson Rd N	Chilliwack
School District # 40 - New West	Columbia Square Centre (AccessNewWest)	1001 Columbia St	NEW WESTMINSTER
	Connaught Heights Elementary	2201 London St	NEW WESTMINSTER
	Ecole Glenbrook Middle School	701 PARK CRESNT	NEW WESTMINSTER
	F.W. Howay Elementary School	91 Courtney Cres	NEW WESTMINSTER
	Herbert Spencer Elementary	605 2nd St	NEW WESTMINSTER
	Hume Park School	521 Fader St	NEW WESTMINSTER
	Lord Kelvin Elementary	1010 Hamilton St	NEW WESTMINSTER
	Lord Tweedsmuir Elementary	1714 8th Ave	NEW WESTMINSTER
	New Westminster SDO BI	835 8th St	NEW WESTMINSTER
	New Westminster SDO WAN	835 8th St	NEW WESTMINSTER
	QayQayt Elementary	85 Merivale Street	NEW WESTMINSTER
	Queen Elizabeth Elementary	921 Salter St	NEW WESTMINSTER
	Queensborough Middle School	833 Salter St	NEW WESTMINSTER
	Richard McBride Elementary	331 Richmond St	NEW WESTMINSTER
	Alderson Elementary	825 Gauthier Ave	COQUITLAM
School District # 43 - Coquitlam	Anmore Elementary	30 Elementary Rd	ANMORE
	Aspenwood Elementary School	2001 Panorama Dr	PORT MOODY
	Baker Dr Elementary School	885 Baker Dr	COQUITLAM
	Bantling Middle School	820 BANTING ST	COQUITLAM
	Birchland Elementary School	1331 Fraser Ave	PORT COQUITLAM
	Blakeburn Elementary	1040 Riverside Dr	PORT COQUITLAM
	BRAMBLEWOOD ELEMENTARY SCHOOL	2875 Panorama Dr	COQUITLAM
	Cape Horn Elementary School	155 Finnigan St	COQUITLAM
	Castle Park Elementary	1144 Confederation Dr	PORT COQUITLAM
	Cedar Drive Elementary	3150 Cedar Dr	PORT COQUITLAM
	Centennial Senior Secondary School	570 Poirier St	COQUITLAM
	Central Elementary School	2260 Central Ave	PORT COQUITLAM
	Citadel Middle School	1265 Citadel Drive	PORT COQUITLAM
	Como Lake Middle School	1121 King Albert Ave	COQUITLAM
	Coquitlam River Elementary	4250 Shaughnessy St	PORT COQUITLAM
	Coquitlam School District Office	550 Poirier St	COQUITLAM
	Coquitlam SDO BI	633 Poirier St. (rear)	COQUITLAM
	Coquitlam SDO WAN	633 Poirier St. (rear)	COQUITLAM
	Dr Charles Best Secondary School	2525 Como Lake Ave	COQUITLAM
	Eagle Ridge Elementary School	1215 Falcon Dr	COQUITLAM
	Glen Elementary School	3064 Glen Dr	COQUITLAM
	Glenayre Elementary School	495 Glencoe Dr	PORT MOODY
	Gleneagle Secondary School	1195 Lansdowne Dr	COQUITLAM
	Hampton Park Elementary	1760 Paddock Dr	COQUITLAM
	Harbour View Elementary School	960 Lillian St	COQUITLAM
	Hazel Trembath Elementary Scho	1278 Confederation Dr	PORT COQUITLAM
	Heritage Mountain Elementary	125 Ravine Dr	PORT MOODY
	Heritage Woods Secondary	1300 David Avenue	PORT MOODY
	Hillcrest Middle	2161 Regan Ave	COQUITLAM
	Irvine Elementary School	3862 Wellington St	PORT COQUITLAM
	James Park Elementary School	1761 Westminster Ave	PORT COQUITLAM
	Kilmer Elementary School	1575 Knappen St	PT COQUITLAM

	Kwayhquiltum Middle School	3280 Flint St	PORT COQUITLAM
	Leigh Elementary School	1230 Soball St	COQUITLAM
	LINC-CLC	380 Montgomery St	COQUITLAM
	Lord Baden-Powell Elementary S	450 Joyce St	COQUITLAM
	Maillard Middle School	1300 Rochester Ave	COQUITLAM
	Maple Creek Middle	3700 Hastings St	COQUITLAM
	Mary Hill Elementary School	1890 Humber Cres	PORT COQUITLAM
	Meadowbrook Elementary School	900 Sharpe St	PORT COQUITLAM
	Miller Park Community School	800 Egmont Ave	COQUITLAM
	Millside Centre	1432 Brunette Ave	COQUITLAM
	Minnekhada Middle	1390 Laurier Ave	PORT COQUITLAM
	Montgomery Middle School	1900 Edgewood Ave	COQUITLAM
	Moody Elementary School	2717 St Johns St	PORT MOODY
	Moody Middle School	3115 St Johns St	PORT MOODY
	Mountain Meadows Elementary	999 Noons Ck Dr	PORT MOODY
	Mountain View Elementary School	740 SMITH AVE	COQUITLAM
	Mundy Road Elementary School	2200 Austin Ave	COQUITLAM
	Nestor Elementary School	1266 Nestor St	COQUITLAM
	Panorama Heights Elementary	1455 Johnson St	COQUITLAM
	Parkland Elementary School	1563 Regan Ave	COQUITLAM
	Pinetree Secondary School	3000 Pinewood	COQUITLAM
	Pinetree Way Elementary	1420 Pinetree Way	COQUITLAM
	Pitt River Middle School	2070 Tyner St	PORT COQUITLAM
	Pleasantside Elementary	195 Barber St	PORT MOODY
	Port Moody Secondary	300 Albert St	PORT MOODY
	Porter Street Elementary Schoo	728 Porter St	COQUITLAM
	Ranch Park Elementary School	2701 Spuraway Ave	COQUITLAM
	RC MacDonald Elementary	2550 Leduc Ave	COQUITLAM
	Riverside Secondary	2215 Reeve St	PORT COQUITLAM
	Riverview Park Elementary Scho	700 Clearwater Way	COQUITLAM
	Rochester Elementary School	411 Schoolhouse St	COQUITLAM
	Roy Stibbs Elementary School	600 Fairview St	COQUITLAM
	Scott Creek Middle	1240 LANSDOWNE DR	COQUITLAM
	SD43 Continuing Ed Store Front	2748 Lougheed Hwy	PORT COQUITLAM
	SD43 Maintenance Shop	1982 Kingsway Ave	PORT COQUITLAM
	Seaview Elementary School	1215 Cecile Dr	PORT MOODY
	Summit Middle	1450 PARKWAY BLVD	COQUITLAM
	Terry Fox Secondary	1260 Riverwood Gate	PORT COQUITLAM
	Vanier School	1600 KING ALBERT AVE	COQUITLAM
	Walton Elementary School	2960 Walton Ave	COQUITLAM
	Westwood Elementary School	3610 Hastings St	PORT COQUITLAM
	Winslow Centre	1100B Winslow Ave	COQUITLAM
School District # 46 - Sunshine Coast	Cedar Grove Elementary School	1196 Chaster Rd	Gibsons
	Chatelech Secondary School	5904 Cowrie St	SECHELT
	Continuing Education Centre	805 Gibsons Way	Gibsons
	Davis Bay Elementary School	5078 Davis Bay Rd	SECHELT
	Elphinstone Secondary School	840 Gibsons Way	Gibsons
	Gibsons Elementary School	783 School Rd	Gibsons
	Halfmoon Bay Elementary School	8086 Northwood Rd	Halfmoon Bay
	Kinnikinnick Elementary School	6030 Lighthouse Ave	SECHELT
	Langdale Elementary School	1551 Johnson Rd	Gibsons
	Madeira Park Elementary School	5012 Gonzales Rd	Madeira Park
	Pender Harbour Elementary & Secondary School	13639 Sunshine Coast Highway	Madeira Park
	Roberts Creek Elementary School	1088 Roberts Creek Rd	Roberts Creek
	Sunshine Coast School District Office	494 Fletcher Rd S	Gibsons
	Sunshine Coast SDO BI	805 Gibsons Way	Gibsons
	Sunshine Coast SDO WAN	805 Gibsons Way	Gibsons
School District # 47 - Powell River	The Learning Centre (Sechelt)	5538 Shorncliffe Ave	SECHELT
	West Sechelt Elementary School	5609 Mason Rd	SECHELT
	Ahms Tah Ow (was Sliammon) School	6686 Sliammon Rd	Sliammon
	Brooks Secondary School	5400 Marine Ave	POWELL RIVER
	Edgehill Elem School	7312 Abbotsford Street	POWELL RIVER
	Henderson Elem School	5506 Willow Ave	POWELL RIVER
	James Thomson Elem School	6388 Sutherland Ave	POWELL RIVER
	Powell River School Dist Ofce	4351 Ontario Ave	POWELL RIVER
	Powell River SDO BI	7105 Nootka St	POWELL RIVER
	Powell River SDO WAN	7105 Nootka St	POWELL RIVER
	SD47 Westview Elementary	3900 Selkirk Ave	POWELL RIVER
	Brackendale Elementary	42000 Government Rd	Brackendale
	Howe Sound Secondary School	38430 Buckley Ave	SQUAMISH
	Mamquam Elem School	40266 Government Rd	GARIBALDI HIGHLANDS
	Myrtle Philip Community School	6195 Lorimer Rd	WHISTLER
School District # 48 - Sea to Sky	Pemberton Secondary School	1400 Oak ST	PEMBERTON
	Sea to Sky SDO BI	37866 2nd Ave	SQUAMISH
	Sea to Sky SDO WAN	37866 2nd Ave	SQUAMISH
	Signal Hill Elementary School	1410 Portage Rd	PEMBERTON
	Spring Creek Community School	1509 Spring Ck Dr	WHISTLER
	Squamish Elementary School	38370 Buckley Ave	SQUAMISH
	Stawamus Elem School	38030 Clarke Dr	SQUAMISH
	VALLEYCLIFFE ELEMENTARY SCHOOL	38430 Westway Ave	SQUAMISH
	WHISTLER SECONDARY SCHOOL	8000 ALPINE WAY	WHISTLER
	Bella Coola Elementary School	808 Mackay St	BELLA COOLA
	SD49 Maintenance Shop	1430 Hwy 20	HAGENSBOURG
	Sir Alexander Mackenzie Secondary School	2500 Mackenzie Hwy	HAGENSBOURG
	Haida Gwaii SDO BI	107 3rd Ave	QUEEN CHARLOTTE CITY
	Haida Gwaii SDO WAN	107 3rd Ave	QUEEN CHARLOTTE CITY
	Port Clements Elementary	14 Park St	PORT CLEMENTS
School District # 49 - Central Coast	Queen Charlotte Secondary	701 Oceanview Dr	QUEEN CHARLOTTE CITY
	Sk'aadagaa Naay School	500 Skidegate Hgths	SKIDEGATE
	Collettsville Elementary School	2021 Birch Ave	MERRITT
	Coquihalla Middle School	2975 Clapperton Ave	MERRITT
	Diamond Vale Elem School	2690 Coldwater Ave	MERRITT
	Merritt Bench Elementary Schoo	3341 Grimmert St	MERRITT
School District # 50 - Haida Gwaii Queen Charlotte			
School District # 58 - Nicola Similkameen			

School District # 59 - Peace River South	Merritt Central Elem School	1509 Voght Street	MERRITT
	Merritt Secondary School	1561 Chapman St	MERRITT
	Nicola Canford Elementary School	2311 Postell St	Lower Nicola
	Nicola Similkameen SDO BI	1561 Chapman St	MERRITT
	Nicola Similkameen SDO WAN	1561 Chapman St	MERRITT
	Princeton Secondary School	201 Old Merritt Hwy	PRINCETON
	South Central Interior Distance Ed	2475 Merritt Ave	MERRITT
	Vermilion Forks Elementary	99 Ridgewood Dr	PRINCETON
	Canalta Elementary School	1901 110th Ave	Dawson Creek
	Chetwynd Secondary School	5000 46th St	CHETWYND
	Crescent Park Elementary School	9300 17th St	Dawson Creek
	Dawson Creek Secondary School (Central Campus)	10701 10th St	Dawson Creek
	Dawson Creek Secondary School (South Peace Campus)	10808 15th St	Dawson Creek
	Devereaux Elementary School	4584 208 Rd	ARRAS
	Don Titus Elementary School	5304 47th Ave	CHETWYND
	École Frank Ross Elementary School	1000 92nd Ave	Dawson Creek
	Little Prairie Elementary School	4200 51st Ave	CHETWYND
	McLeod Elementary School	8025 265 Rd	PROGRESS
	Moberly Lake Elementary School	6531 Lakeshore Drive	MOBERLY LAKE
	Parkland Elementary School	5104 Parkland Rd	FARMINGTON
	Peace River South SDO BI	11600 7th St	Dawson Creek
	Peace River South SDO WAN	11600 7th St	Dawson Creek
	Peace View School	11600 7th St	Dawson Creek
	Pouce Coupe Elementary	5010 52 Ave	POUCE COUPE
	Rolla Elementary School	5167 405 St	ROLLA
	SD59 District Resource Centre	600 113th Ave	Dawson Creek
	South Peace Elementary School	11600 7th St	Dawson Creek
	Tremblay Elementary School	11311 13A St	Dawson Creek
	Tumbler Ridge Elementary School	355 Monkman Way	TUMBLER RIDGE
	Tumbler Ridge Secondary School	180 Southgate	TUMBLER RIDGE
	Windrem Elementary School	5004 46th St	CHETWYND
School District # 69 - Qualicum	Arrow View Elem School	650 Bennett Rd	QUALICUM BEACH
	Building Learning Together Program	100 Jensen Ave E	PARKSVILLE
	École Secondaire Ballena Schl	135 Pym St	PARKSVILLE
	Errington Elem School	1390 Fairdowne Rd	PARKSVILLE
	Family Place	494 Bay Ave	PARKSVILLE
	French Creek Elem School	2350 Alberni Hwy	PARKSVILLE
	Kwalikum Secondary School	266 Village Way	QUALICUM BEACH
	Nanoose Bay Elem School	2875 NW Bay Rd	NANOOS BAY
	Oceanside Middle School	980 Wright Rd	PARKSVILLE
	Parksville Elementary School	330 Craig St	PARKSVILLE
	Qualicum Beach Middle School	699 Claymore Rd	QUALICUM BEACH
	Qualicum Elem School	744 Primrose St	QUALICUM BEACH
	Qualicum SDO BI	100 Jensen Ave E	PARKSVILLE
	Qualicum SDO WAN	100 Jensen Ave E	PARKSVILLE
	Springwood Middle School	450 Despard Ave	PARKSVILLE
	Winchelsea Elementary School	140 Renz Rd	PARKSVILLE
School District # 70 - Port Alberni	A W Neill Middle School	5055 Compton Rd	PORT ALBERNI
	Alberni Elementary School	4645 Helen St	PORT ALBERNI
	Alberni School District Office	4000 Roger St	PORT ALBERNI
		4690 Roger St	PORT ALBERNI
	Alberni SDO BI	4000 Burde St	PORT ALBERNI
	Alberni SDO WAN	4000 Burde St	PORT ALBERNI
	Alternate School (Vast)	4152 Redford St	PORT ALBERNI
	Eighth Avenue Elem School	2941 8th Ave	PORT ALBERNI
	Eric J Dunn Middle School	3500 Argyle St	PORT ALBERNI
	Gill Elem School	5520 Beaver Ck Rd	PORT ALBERNI
	John Howitt Elem School	3867 Marpole St	PORT ALBERNI
	Maquinna Elem School	3881 Bruce St	PORT ALBERNI
	Wickaninnish Community School	431 Gibson St	TOFINO
	Wood Elem School	4111 Wood Ave	PORT ALBERNI
School District # 79 - Cowichan Valley	Alex Aitken Elementary School	2494 Roome Rd	DUNCAN
	Alexander Elementary School	2471 Beverly St	DUNCAN
	Bench Elementary School	1501 Cowichan Bay Rd	COBBLE HILL
	Chemainus Elementary	3172 Garner St	CHEMAINUS
	Chemainus Secondary School	9947 Daniel St	CHEMAINUS
	Cowichan Secondary School	2652 James St	DUNCAN
	Cowichan Valley DO SD #79	2557 Beverly St	DUNCAN
	Cowichan Valley Open Learning	540 Cairnsmore St	DUNCAN
	Cowichan Valley SDO BI	2557 Beverley St	DUNCAN
	Cowichan Valley SDO WAN	2557 Beverley St	DUNCAN
	Discovery Elementary School	2204 McKean Rd	COBBLE HILL
	Drinkwater Elementary School	6236 Lane Rd	DUNCAN
	Duncan Elementary School	1033 Nagle St	DUNCAN
	Frances Kelsey Secondary School	953 Shawnigan Mill Bay Rd	MILL BAY
	George Bonner Elementary School	3060 Cobble Hill Rd	MILL BAY
	Khowhemun Elementary	2918 Cliffs Rd	DUNCAN
	Koksilah Elem School	5265 Boal Rd	DUNCAN
	Lake Cowichan Secondary	190 South Shore Rd	LAKE COWICHAN
	Maple Bay Elem SD79	1500 Donnay Dr	DUNCAN
	Mount Prevost Middle School	6177 Somenos Rd	DUNCAN
	Palsson Elementary School	9 Grosskleg Way	LAKE COWICHAN
	Quamichan Middle School	2515 Beverly St	DUNCAN
School District # 82 - Coast Mountains	SD79- Cowichan Learning Centre	756 Castle Pl	DUNCAN
	Tansor Elem School	3594 Auchinachie Rd	DUNCAN
	Caledonia Senior Secondary School	3605 Munroe St	TERRACE
	CASSIE HALL ELEM SD 82	2620 EBY St	TERRACE
	Coast Mountains SDO BI	3211 Kenney St	TERRACE
	Coast Mountains SDO WAN	3211 Kenney St	TERRACE
	Hazelton Secondary School	2725 Hwy 62	HAZELTON
	Kildala Elementary School	803 Columbia Ave	KITIMAT
	Kitimat City High School	1423 Cormorant Ave	KITIMAT
	Majagaleehi Gali Aks Elem. (John Field Elem)	3990 John Field Rd	GITANMAAX IR 1

School District # 91 - Nechako Lakes

Mount Elizabeth Middle/Secondary School	1491 Kingfisher Ave N	KITIMAT
Mountainview Elementary School	3505 Bailey Street	TERRACE
New Hazelton Elementary	3275 Bowser St	NEW HAZELTON
North Coast Distance Education School	3211 Kenney St	TERRACE
Parkside Secondary School	3824 Eby St S	TERRACE
Skeena Middle School	3411 Munroe St	TERRACE
Suwilaawks Community School (Clarence Michiel Building)	3430 Sparks St	TERRACE
Suwilaawks Community School (ET Kenney Building)	4620 Loen Ave	TERRACE
Thornhill Elementary School	2906 Clark St	TERRACE
THORNHILL JUNIOUR SEC SDB2	3120 E HWY 16	TERRACE
Thornhill Primary School	3860 Paquette Ave	TERRACE
UPLANDS ELEMENTARY SCHOOL	4110 THOMAS ST	TERRACE
David Hoy Elementary School	4th Ave W	FORT ST JAMES
Decker Lake Elementary School	6710 Hwy 16 W	BURNS LAKE
Enterprise Centre (FSJSS Alternate School)	360 Stuart Drive	FORT ST JAMES
Evelyn Dickson Elementary School	1850 Riley St	VANDERHOOF
Fort St James Adult Centre for Education	250 Stuart Dr E	FORT ST JAMES
Fort St James Sec School	450 Douglas Ave	FORT ST JAMES
Francois Lake Elementary School	860 Francois Lake Rd E	Francois Lake
Fraser Lake Elementary SD#91	110 CHOWSUNKET ST	FRASER LAKE
Fraser Lakes Adult Learning Centre	289 McMillan Ave	FRASER LAKE
Grassy Plains Elementary & Junior Secondary School	34310 Keefes Landing Rd	BURNS LAKE
Lakes District Secondary School	685 Hwy 16 W	BURNS LAKE
Mapes Elementary School	14907 Mapes Rd RR 1	VANDERHOOF
Mouse Mountain Elementary School	266 Taluk Ave	FRASER LAKE
Muriel Mould Primary School	9th Ave	BURNS LAKE
Nechako Lakes SDO BI	153 E Connaught St	VANDERHOOF
Nechako Lakes SDO WAN	153 E Connaught St	VANDERHOOF
Nechako Valley Secondary School	2608 Bute St	VANDERHOOF
Prairiedale Elementary School	8585 Loop Rd	VANDERHOOF
SD91 Continuing Education Centre (Lakes Learning Centre)	c/o Drawer 129	VANDERHOOF
SD91 District Resource Centre	238 East Victoria Street	VANDERHOOF
SD91 Eastern Maintenance Centre	304 Stewart St E	VANDERHOOF
SD91 Western Maintenance Centre	580 Hwy 16 W	BURNS LAKE
Sinkutview Elementary School	3348 Sinkut View Rd	VANDERHOOF
Sowchea Elementary School	2649 Sowchea Bay Rd	FORT ST JAMES
Vallihalla High School (NVSS Alternate School)	2540 Church St	VANDERHOOF
W L Mcleod Elementary School	187 E Victoria	VANDERHOOF
William Konkin Elementary School	750 Carroll St W	BURNS LAKE

# **Datacenter Sites**

940 Industrial Rd #1	Cranbrook	SD05	Southeast Kootenay School District Office	School District Office
620 4th St N	Invermere	SD06	Rocky Mountain School District Office	School District Office
811 Stanley St	Nelson	SD08	Central Education Centre	District Resource Centre
98 6th Ave NW	Nakusp	SD10	Arrow Lakes School District Office	School District Office
1121 Vernon Ave	Revelstoke	SD19	Revelstoke School District Office	School District Office
1300 Frances Moran Rd	Trail	SD20	J Lloyd Crowe Secondary School	Secondary School
2100 15 Street	Vernon	SD22	Vernon Secondary School	Secondary School
1040 Hollywood Rd	Kelowna	SD23	Hollywood Road Education Services	District Resource Centre
640 Carson Dr	Williams Lake	SD27	Lake City Secondary (Carson Campus)	Secondary School
401 North Star Rd	Quesnel	SD28	Quesnel School District Office	School District Office
8430 Cessna Dr	Chilliwack	SD33	Chilliwack School District Office	School District Office
31759 King Rd RR 5	Abbotsford	SD34	SD34 Facilities Services Office	Maintenance Facility
4875 222nd St	Langley	SD35	Langley School District Office	School District Office
14033 - 92nd Ave	Surrey	SD36	District Conference Centre / Education Services	District Resource Centre
4585 Harvest Dr	Delta	SD37	Delta School District Office	School District Office
9440 Number 4 Road	Richmond	SD38	Technology Service Centre (Data Centre)	Information Technology Services
1580 West Broadway	Vancouver	SD39	Vancouver School District Office	School District Office
835 8th St	New Westminster	SD40	New Westminster Secondary School	Secondary School
6011 Deer Lake Parkway	Burnaby	SD41	BCSS Datacentre	Other
22225 Brown Ave	Maple Ridge	SD42	Maple Ridge School District Office	School District Office
550 Poirier St	Coquitlam	SD43	Coquitlam School District Office	School District Office
2121 Lonsdale Ave	North Vancouver	SD44	North Vancouver School District Office	School District Office
1750 Mathers Ave	West Vancouver	SD45	West Vancouver Secondary School	Secondary School
494 Fletcher Rd S	Gibsons	SD46	Sunshine Coast School District Office	School District Office
4351 Ontario Ave	Powell River	SD47	Powell River School District Office	School District Office
37866 2nd Ave	Squamish	SD48	Howe Sound (Sea to Sky) School District Office	School District Office
1961 HWY 20	HAGENSBOURG	SD49	Central Coast School Board Office	School District Office
107 3rd Ave	Queen Charlotte City	SD50	Haida Gwaii-Queen Charlotte School District Office	School District Office
525 Central Avenue	Grand Forks	SD51	Walker Development Centre	Alternate School
500 HAYES COVE	PRINCE RUPERT	SD52	Booth Building	Booth Building
6161 Okanagan Street	Oliver	SD53	Okanagan Similkameen School District Office	School District Office
1235 Montreal St	Smithers	SD54	Bulkley Valley School District Office	School District Office
2100 Ferry Ave	Prince George	SD57	Prince George School District Office	School District Office
1561 Chapman St	Merritt	SD58	Merritt Secondary School	Secondary School
11600 7th St	Dawson Creek	SD59	Peace River South School District Office (City Hall)	School District Office
10112 105 Ave	Fort St John	SD60	Peace River North School District Office	School District Office
556 Boleskine Rd	Victoria	SD61	Greater Victoria School District Office	School District Office
3143 Jacklin Rd	Victoria	SD62	Sooke School District Office	School District Office
2125 Keating Cross Rd	Saanichton	SD63	Saanich School District Office	School District Office
112 Rainbow Rd	Ganges	SD64	Gulf Islands School District Office	School District Office
425 Jermyn Ave	Pentlcton	SD67	Okanagan Skaha School District Office	School District Office
395 Wakesiah Ave	Nanaimo	SD68	Nanaimo Ladysmith School District Office	School District Office
100 Jensen Ave E	Parksville	SD69	Building Learning Together Program	Alternate School
4000 Roger St	Port Alberni	SD70	Alberni District Secondary School	Secondary School
607 Cumberland Rd	Courtenay	SD71	Comox Valley School District Office	School District Office
SHAW Headend	Campbell River	SD72	SHAW Headend	SHAW Headend
1383 9th Ave	Kamloops	SD73	Kamloops Thompson School District Office	School District Office
435 Ranch Rd	Ashcroft	SD74	Ashcroft Secondary School	Secondary School
33046 4th Ave	Mission	SD75	Mission School District Office	School District Office
650 Kawkawa Lake Rd	Hope	SD78	Fraser Cascade School District Office	School District Office
2557 Beverly St	Duncan	SD79	Cowichan Valley School District Office	School District Office
5419 Simpson Trail	Fort Nelson	SD81	Fort Nelson Secondary School	Secondary School
3211 Kenney St	Terrace	SD82	Coast Mountains School District Office	School District Office
341 Shuswap St NE	Salmon Arm	SD83	New-Main Data Centre	New-Main Data Centre
2 Hwy 28	Gold River	SD84	Vancouver Island West School District Office	School District Office
6975 Rupert St	Port Hardy	SD85	Vancouver Island North School District Office	School District Office
5 Commercial Dr	Dease Lake	SD87	Stikine School District Office	School District Office
153 E Connaught St	Vanderhoof	SD91	Nechako Lakes School District Office	School District Office
5002 Skateen Ave.	New Aiyansh	SD92	Nisga's Network Operations Centre	District Resource Centre
13511 COMMERCE PARKWAY	RICHMOND	SD93	École des Pionniers (SD93 Data Centre)	Distributed Learning



**From:** Molyneux, Jennifer MTIC:EX  
**To:** Cook, Jeannette MTIC:EX; Taylor, Diane Ruth MTIC:EX  
**Cc:** Hughes, Bette-Jo MTIC:EX; Bailey, Ian D MTIC:EX; Stanford, Susan MTIC:EX; Mateyko, Roman MTIC:EX; Hauff, Chris R MTIC:EX  
**Subject:** RE: government network modernization Feb 2.pptx  
**Date:** February 2, 2016 9:55:33 AM  
**Attachments:** government network modernization Feb 2.pptx  
**Importance:** High

---

Hi Jeannette,

Here's the updated deck for the Minister's meeting this afternoon.

Thank you.

---

**From:** Mateyko, Roman MTIC:EX  
**Sent:** Tuesday, February 2, 2016 9:42 AM  
**To:** Hughes, Bette-Jo MTIC:EX; Molyneux, Jennifer MTIC:EX  
**Cc:** Bailey, Ian D MTIC:EX; Stanford, Susan MTIC:EX; Hauff, Chris R MTIC:EX  
**Subject:** government network modernization Feb 2.pptx  
**Importance:** High

Attached is the presentation. I have included the simplified slide.

**From:** Hughes, Bette-Jo MTIC:EX  
**To:** Mateyko, Roman MTIC:EX  
**Cc:** Hauff, Chris R MTIC:EX; Stanford, Susan MTIC:EX; Bailey, Ian D MTIC:EX; Molyneux, Jennifer MTIC:EX  
**Subject:** RE: Next version of government network modernization deck  
**Date:** February 2, 2016 8:27:29 AM  
**Attachments:** government network modernization Feb 2.pptx

---

I made a couple of changes and took out the example slide – it is too confusing and doesn't tell the story e.g. Telus is less expensive.

If you can simplify the financial example in the next hour or so, then we can include it in the presentation. Otherwise, we need to send the material to the DMO, and you can provide the financial example when the question is asked at the meeting.

Jennifer – please confirm the final presentation with Roman before 10 and send to the DMO for the MAV briefing at 3:00 pm

PS – I will be downtown and will be calling in from there.

---

**From:** Mateyko, Roman MTIC:EX  
**Sent:** Monday, February 1, 2016 11:01 PM  
**To:** Hughes, Bette-Jo MTIC:EX  
**Cc:** Hauff, Chris R MTIC:EX; Stanford, Susan MTIC:EX; Bailey, Ian D MTIC:EX  
**Subject:** Next version of government network modernization deck

The changes discussed with our deputy are incorporated, marked with a comment.

The calculations for figuring out the replacement cost get complex. I left them on slide 7. This is because we are trying to compare apples and oranges. You have to turn one of the apples into an orange first before you compare.

I need to speak with Chris/Bob on a couple items in this presentation so will need some time in the morning to finish it.

**From:** Mateyko, Roman MTIC:EX  
**To:** Hughes, Bette-Jo MTIC:EX  
**Cc:** Hauff, Chris R MTIC:EX; Stanford, Susan MTIC:EX; Bailey, Ian D MTIC:EX  
**Subject:** Next version of government network modernization deck  
**Date:** February 1, 2016 11:00:00 PM  
**Attachments:** government network modernization final.pptx

---

The changes discussed with our deputy are incorporated, marked with a comment.

The calculations for figuring out the replacement cost get complex. I left them on slide 7. This is because we are trying to compare apples and oranges. You have to turn one of the apples into an orange first before you compare.

I need to speak with Chris/Bob on a couple items in this presentation so will need some time in the morning to finish it.

**From:** [Hughes, Bette-Jo MTIC:EX](#)  
**To:** [Mateyko, Roman MTIC:EX](#)  
**Cc:** [Hauff, Chris R MTIC:EX](#); [Bailey, Ian D MTIC:EX](#); [Stanford, Susan MTIC:EX](#); [Molyneux, Jennifer MTIC:EX](#)  
**Subject:** RE: Government Network Modernization Power Point  
**Date:** February 1, 2016 8:25:34 AM  
**Attachments:** [government network modernization final.pptx](#)  
[image001.jpg](#)

---

I have made a few changes to clean it up; and have used the two slide option.

Jen please send this to the DMO for our 1:00 meeting with John, thanks.

---

**From:** Mateyko, Roman MTIC:EX  
**Sent:** Sunday, January 31, 2016 8:56 PM  
**To:** Hughes, Bette-Jo MTIC:EX  
**Cc:** Hauff, Chris R MTIC:EX; Bailey, Ian D MTIC:EX; Stanford, Susan MTIC:EX  
**Subject:** Government Network Modernization Power Point  
**Importance:** High

Bette-Jo, attached is the most recent power point. We have made additions to slide 2 and have included two sets of network architecture diagrams. We thought providing two options would result in a better outcome. We will have to choose either Slide 4 or Slide 5 and 6 to keep in the presentation.

Slide 4 shows the current and future on one slide and shows how the schools and government sites are going to transition to their new respective networks and how the infrastructure of SPAN/BC is going to be replaced by TELUS.

Slides 5 and 6 provide a larger context while still showing the transition. They are also more colourful. They are an adaptation of a set of diagrams that Chris has used to explain this transition.

I can speak to both.

## Roman Mateyko

Executive Director  
Administrator's Office | Strategic Partnerships Office  
Ministry of Technology, Innovation and Citizens' Services  
Province of British Columbia

cell 250 744 8559 | fax 250 952 9559 | [roman.mateyko@gov.bc.ca](mailto:roman.mateyko@gov.bc.ca)

image003



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**From:** Mateyko, Roman MTIC:EX  
**To:** [Hughes, Bette-Jo MTIC:EX](#)  
**Cc:** [Hauff, Chris R MTIC:EX](#); [Bailey, Ian D MTIC:EX](#); [Stanford, Susan MTIC:EX](#)  
**Subject:** Government Network Modernization Power Point  
**Date:** January 31, 2016 8:55:00 PM  
**Attachments:** [government network modernization 1.0 .pptx](#)  
[image002.jpg](#)  
**Importance:** High

---

Bette-Jo, attached is the most recent power point. We have made additions to slide 2 and have included two sets of network architecture diagrams. We thought providing two options would result in a better outcome. We will have to choose either Slide 4 or Slide 5 and 6 to keep in the presentation.

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Slides 5 and 6 provide a larger context while still showing the transition. They are also more colourful. They are an adaptation of a set of diagrams that Chris has used to explain this transition.

I can speak to both.

## Roman Mateyko

Executive Director  
Administrator's Office | Strategic Partnerships Office  
Ministry of Technology, Innovation and Citizens' Services  
Province of British Columbia

cell 250 744 8559 | fax 250 952 9559 | [roman.mateyko@gov.bc.ca](mailto:roman.mateyko@gov.bc.ca)



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**From:** Mateyko, Roman MTIC:EX  
**To:** [Stanford, Susan MTIC:EX](#)  
**Cc:** [Hauff, Chris R MTIC:EX](#)  
**Subject:** Alternate Vendor Decision Note, Stakeholder Analysis and Minister's Briefing  
**Date:** January 22, 2016 1:11:00 PM  
**Attachments:** [image002.jpg](#)

---

Susan, here some context for AV materials. The decision note we are working on is for Bette-Jo to agree to have orders placed for circuits from the alternate vendors for the NGN PLnet. Min. of Education requires this in order to place orders. Chris agreed to make the final edits on it and will circulate it. You will get copied on it.

Because we think there may be complaints by some of the vendors Chris and I are also preparing a presentation to be used by Bette-jo to brief the DM and potentially the minister. Chris and I think we have an opportunity to include a stakeholder analysis as part of that presentation.

Unfortunately I am on training today but able to connect from time to time.

## Roman Mateyko

Executive Director  
Administrator's Office | Strategic Partnerships Office  
Ministry of Technology, Innovation and Citizens' Services  
Province of British Columbia

cell 250 744 8559 | fax 250 952 9559 | [roman.mateyko@gov.bc.ca](mailto:roman.mateyko@gov.bc.ca)

image003



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**From:** Mateyko, Roman MTIC:EX  
**To:** Hauff, Chris R MTIC:EX  
**Subject:** alternate vendors version 1.0.pptx  
**Date:** January 10, 2016 9:05:00 AM  
**Attachments:** alternate vendors version 1.0.pptx  
**Importance:** High

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fyi

**From:** Mateyko, Roman MTIC:EX  
**To:** [Hauff, Chris R MTIC:EX](#)  
**Subject:** alternate vendors version 1.0.pptx  
**Date:** January 17, 2016 9:26:00 PM  
**Attachments:** [alternate vendors version 1.0.pptx](#)

---

fyi



**From:** Mateyko, Roman MTIC:EX  
**To:** [Stanford, Susan MTIC:EX](#)  
**Cc:** [Hauff, Chris R MTIC:EX](#)  
**Subject:** alternate vendors version 5.0.pptx  
**Date:** January 28, 2016 7:57:00 AM  
**Attachments:** [alternate vendors version 5.0.pptx](#)  
**Importance:** High

---

Susan, here is our draft. Suggestions welcome.

**From:** Mateyko, Roman MTIC:EX  
**To:** [Hauff, Chris R MTIC:EX](#)  
**Subject:** FW: alternate vendors version 5.0.pptx  
**Date:** January 28, 2016 9:11:00 AM  
**Attachments:** [alternate vendors version 5.0b.pptx](#)  
**Importance:** High

---

Fyi, includes susan's changes.

**From:** Stanford, Susan MTIC:EX  
**Sent:** January 28, 2016 9:09 AM  
**To:** Mateyko, Roman MTIC:EX <Roman.Mateyko@gov.bc.ca>  
**Subject:** Re: alternate vendors version 5.0.pptx  
**Importance:** High

Susan

**Susan Stanford** MBA MAL  
A/Executive Lead  
Office of the Chief Information Officer  
Ministry of Technology, Innovation and Citizens' Services  
Victoria, BC | T 250.580.7459  
[www.cio.gov.bc.ca](http://www.cio.gov.bc.ca)

---

**From:** Roman Mateyko <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Date:** Thursday, January 28, 2016 at 7:57 AM  
**To:** Susan Stanford <[susan.stanford@gov.bc.ca](mailto:susan.stanford@gov.bc.ca)>  
**Cc:** Chris Hauff <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>  
**Subject:** alternate vendors version 5.0.pptx

Susan, here is our draft. Suggestions welcome.

**From:** Mateyko, Roman MTIC:EX  
**To:** [Hauff, Chris R MTIC:EX](#)  
**Cc:** [Graham, Kadriye MTIC:EX](#)  
**Subject:** RE: alternate vendors version 1.0.pptx  
**Date:** January 22, 2016 12:53:00 PM  
**Attachments:** [alternate vendors version 2.0.pptx](#)  
[image001.png](#)  
**Importance:** High

---

This is my most recent version. We may want to change it around.

**From:** Hauff, Chris R MTIC:EX  
**Sent:** January 22, 2016 12:47 PM  
**To:** Mateyko, Roman MTIC:EX <Roman.Mateyko@gov.bc.ca>  
**Cc:** Graham, Kadriye MTIC:EX <Kadriye.Graham@gov.bc.ca>  
**Subject:** RE: alternate vendors version 1.0.pptx  
**Importance:** High

Hi Roman

Looks like I have an older version of the AV PP. Can you send the latest PP deck for AV's to Kadriye and I when you get a chance?

Kadriye was going to start the BN for the DM and we want to pull the information out of the latest deck you and I have been working on.

Thanks

Chris

## **Chris Hauff**

**Executive Director**

**Network Communication and Collaboration Services**

Technology Solutions

Office of the Chief Information Officer

Ministry of Technology, Innovation and Citizen Services

PO Box 9412, Stn Prov Gov, Victoria BC V8W 9V1

[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)

250 217 4657

cid:image001.png@01D09236.8AA36E00



**From:** Mateyko, Roman MTIC:EX  
**Sent:** Sunday, January 10, 2016 9:06 AM  
**To:** Hauff, Chris R MTIC:EX <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>  
**Subject:** alternate vendors version 1.0.pptx  
**Importance:** High

fyi

**From:** [Stanford, Susan MTIC:EX](#)  
**To:** [Mateyko, Roman MTIC:EX](#)  
**Subject:** Re: alternate vendors version 5.0.pptx  
**Date:** January 28, 2016 9:09:10 AM  
**Attachments:** [alternate vendors version 5.0b.pptx](#)  
**Importance:** High

---

Susan

**Susan Stanford** MBA MAL

A/Executive Lead

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Ministry of Technology, Innovation and Citizens' Services

Victoria, BC | T 250.580.7459

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---

**From:** Roman Mateyko <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Date:** Thursday, January 28, 2016 at 7:57 AM  
**To:** Susan Stanford <[susan.stanford@gov.bc.ca](mailto:susan.stanford@gov.bc.ca)>  
**Cc:** Chris Hauff <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>  
**Subject:** alternate vendors version 5.0.pptx

Susan, here is our draft. Suggestions welcome.

**From:** [Hauff, Chris R MTIC:EX](#)  
**To:** [Mateyko, Roman MTIC:EX](#)  
**Cc:** [Stanford, Susan MTIC:EX](#)  
**Subject:** Re: alternate vendors version 5.0.pptx  
**Date:** January 28, 2016 9:38:06 AM

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Thought we were going to include a revenue impact slide to give the DM and Minister order of magnitude on the dollars we are talking about?? Give the value/amount it may not even be relevant or a concern.

Chris

Sent from my iPhone

On Jan 28, 2016, at 9:11 AM, Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)> wrote:

Fyi, includes susan's changes.

**From:** Stanford, Susan MTIC:EX  
**Sent:** January 28, 2016 9:09 AM  
**To:** Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Subject:** Re: alternate vendors version 5.0.pptx  
**Importance:** High

Susan

**Susan Stanford** MBA MAL  
A/Executive Lead  
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Ministry of Technology, Innovation and Citizens' Services  
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**From:** Roman Mateyko <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Date:** Thursday, January 28, 2016 at 7:57 AM  
**To:** Susan Stanford <[susan.stanford@gov.bc.ca](mailto:susan.stanford@gov.bc.ca)>  
**Cc:** Chris Hauff <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>  
**Subject:** alternate vendors version 5.0.pptx

Susan, here is our draft. Suggestions welcome.

<alternate vendors version 5.0b.pptx>

**Subject:** Re: Alternate Vendor Decision Note, Stakeholder Analysis and Minister's Briefing

**Date:** Friday, January 22, 2016 at 1:23:45 PM Pacific Standard Time

**From:** Stanford, Susan MTIC:EX

**To:** Mateyko, Roman MTIC:EX

**CC:** Hauff, Chris R MTIC:EX

Thanks Roman,

I am aligned and onboard with the approach.

If timing is tight to brief the DM, then the deck/briefing will be relative to the CE implementation only and based on the consultations and work completed to date. If the briefing has a longer time line, then the broader stakeholder assessment should be completed to ensure issues and counter issues are included (stakeholder centric versus initiative centric view).

I will participate on the call this afternoon, and while I still see value in working through the stakeholder mapping/analysis regardless as we need it for other issues impacting this stakeholder group, we should work with what we have today and the thinking and work that's already gone into setting the stage for the proposed decision for Bette-Jo.

See you next week,

Susan

**Susan Stanford** MBA MAL

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---

**From:** Roman Mateyko <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>

**Date:** Friday, January 22, 2016 at 1:17 PM

**To:** Susan Stanford <[susan.stanford@gov.bc.ca](mailto:susan.stanford@gov.bc.ca)>

**Cc:** Chris Hauff <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>

**Subject:** Alternate Vendor Decision Note, Stakeholder Analysis and Minister's Briefing

Susan, here some context for AV materials. The decision note we are working on is for Bette-Jo to agree to have orders placed for circuits from the alternate vendors for the NGN PLnet. Min. of Education requires this in order to place orders. Chris agreed to make the final edits on it and will circulate it. You will get copied on it.

Because we think there may be complaints by some of the vendors Chris and I are also preparing a presentation to be used by Bette-jo to brief the DM and potentially the minister. Chris and I think we have an opportunity to include a stakeholder analysis as part of that presentation.

Unfortunately I am on training today but able to connect from time to time.

## **Roman Mateyko**

Executive Director  
Administrator's Office | Strategic Partnerships Office  
Ministry of Technology, Innovation and Citizens' Services  
Province of British Columbia

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Chief Information Officer

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**Subject:** Re: Government Network Modernization Power Point

**Date:** Sunday, January 31, 2016 at 9:45:44 AM Pacific Standard Time

**From:** Stanford, Susan MTIC:EX

**To:** Hauff, Chris R MTIC:EX

Thanks.

Surprised we'd put this in a briefing note but who am I? Lol

Sent from my iPhone

On Jan 31, 2016, at 9:16 AM, Hauff, Chris R MTIC:EX <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)> wrote:

Hi Susan

Sorry should keep you in the loop regarding the ongoing work and final edits for the DM and Minister presentations for Bette-Jo. Roman will be sending a final draft to Bette-Jo and then to everyone to review later today.

Chris

**From:** Hauff, Chris R MTIC:EX

**Sent:** Saturday, January 30, 2016 9:40 PM

**To:** Bailey, Ian D MTIC:EX <[Ian.Bailey@gov.bc.ca](mailto:Ian.Bailey@gov.bc.ca)>

**Subject:** FW: Government Network Modernization Power Point

**Importance:** High

Hi Ian -

Just to keep you in the loop. Roman and I met tonight.

Bette-Jo wanted a few diagrams added. Attached are two very simple diagrams of the "before" and "after" network diagrams for the DM and Minister.

In addition I sent Roma a table to show the difference between the legacy and new network – another request from Bette-Jo.

Roman will be updating the presentation and sending out a final copy tomorrow afternoon. Let me know if you have any questions.

<image006.png>

<image007.png>

#### Table for Presentation

SPANBC Legacy Network	Next Generation Network using TELUS Converged Edge
Low Speed network infrastructure	High-speed scalable fibre network infrastructure
Service level objectives only	Service Level Agreement for 24x7x365 management
Limited monitoring and reporting	Enhanced monitoring and reporting services
Single Points of Failure	Diverse fibre transport network with diverse paths
Shared Network Infrastructure	Secure virtual private networks for Government and Schools
No end-to-end Quality of Service	End-to-End Quality of Service capabilities for applications
Multi-vendor network providers	Single vendor provider for consistent user experience

Note: Could add a predictable financial model with a uniform price book for all TELUS CE services across the province and the fact that a percentage of government revenue contributes to SIF.

Chris

#### **Chris Hauff**

**Executive Director**

**Network Communication and Collaboration Services**

Technology Solutions

Office of the Chief Information Officer

Ministry of Technology, Innovation and Citizen Services

PO Box 9412, Stn Prov Gov, Victoria BC V8W 9V1

[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)

250 217 4657

<image005.png>

**From:** Hughes, Bette-Jo MTIC:EX

**Sent:** Saturday, January 30, 2016 11:32 AM  
**To:** Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Cc:** Hauff, Chris R MTIC:EX <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>; Bailey, Ian D MTIC:EX <[Ian.Bailey@gov.bc.ca](mailto:Ian.Bailey@gov.bc.ca)>; Stanford, Susan MTIC:EX <[Susan.Stanford@gov.bc.ca](mailto:Susan.Stanford@gov.bc.ca)>  
**Subject:** Re: Government Network Modernization Power Point

Great thanks very much.

BJH

On Jan 30, 2016, at 11:31 AM, Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)> wrote:

Will do on slide 2.

We can have the network architecture diagram ready for tomorrow night – couple hours of work. We will keep the detail to a minimum.

Thanks for reviewing the presentation and have a good weekend.

---

**From:** Hughes, Bette-Jo MTIC:EX  
**Sent:** January 30, 2016 10:25 AM  
**To:** Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)>  
**Cc:** Hauff, Chris R MTIC:EX <[Chris.Hauff@gov.bc.ca](mailto:Chris.Hauff@gov.bc.ca)>; Bailey, Ian D MTIC:EX <[Ian.Bailey@gov.bc.ca](mailto:Ian.Bailey@gov.bc.ca)>; Stanford, Susan MTIC:EX <[Susan.Stanford@gov.bc.ca](mailto:Susan.Stanford@gov.bc.ca)>  
**Subject:** Re: Government Network Modernization Power Point

The slides look good with the changes you have made Roman. On slide 2 can you expand on the benefits of the advanced network features ie what will be better?

I think it would be helpful to provide a diagram with the before and after network architecture. Is that an easy thing to do, if not for the meeting with the DM then the Minister?

Thanks very much.

BJH

On Jan 30, 2016, at 9:29 AM, Mateyko, Roman MTIC:EX <[Roman.Mateyko@gov.bc.ca](mailto:Roman.Mateyko@gov.bc.ca)> wrote:

Bette-Jo, I was reviewing the slide deck this morning and there are five changes I would like to make.

- (1) First Slide, change January to February
- (2) Slide 5, the title should be "Vendor Consultations" rather than "Vendor Consulations" .
- (3) Slide 5, the last bullet should be "... government sites transitioning to TELUS" rather than "... government transition to TELUS"
- (4) s.13
- (5) Slide 6. This can either be a note on the slide or a speaking note. You may remember that CityWest provides service directly to schools in Prince Rupert. s.13  
s.13

s.13                      The reason I am fussing about this is that they visited the Minister so he may ask.

I have attached a new version showing those changes and have copied the slides below. Rather than copying everyone (other than Chris) on these changes I will incorporate them after you have done you review.

<image002.png>

<image001.png>

<image002.png>

**Roman Mateyko**

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<image012.jpg>

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<alternate vendors version 6 .1.pptx>

<Copy (2) of Government Network Diagrams Jan 2016 FINAL.vsd>