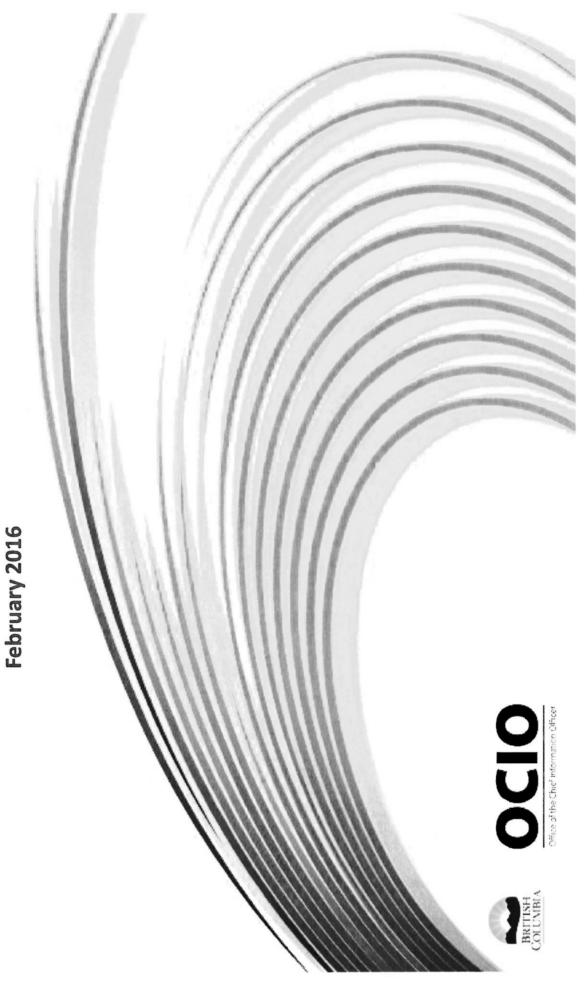
Government Network Modernization



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
- Incents 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.

4

At Issue...

- through TELUS will reduce government revenue for The transition to the advanced network service 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	TSMA signing	
Jan/Feb 2015	 Initial concept discussion with PWI, ABC & TNS 	
Jul/Aug 2015	 Explored concept of sub-contracting through TSMA 	
Oct /Nov/Dec 2015	 Service providers were given an opportunity to submit proposals for K-12 school sites where they had incumbent status. 	

- The proposals had to fit within a certain budget envelope.
- Government team met with each service provider to explain rationale and approach.
- 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. Page 06 to/à Page 07

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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.

Government Network Modernization



Government Network Modernization

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Service Provider Consultations

Dates	Item
July 2011	TSMA signing
Jan/Feb 2015	 Initial concept discussion with PWI, ABC & TNS
Jul/Aug 2015	 Onboarding to the TSMA
Nov/Dec 2015	 Service providers were given an opportunity to submit proposals for K-12 school sites where they had incumbent status. Government team met with each service provider to explain rationale and approach. 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. Page 15 to/à Page 16

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- Services proposed were cost prohibitive especially at low bandwidths.
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Government Network Modernization

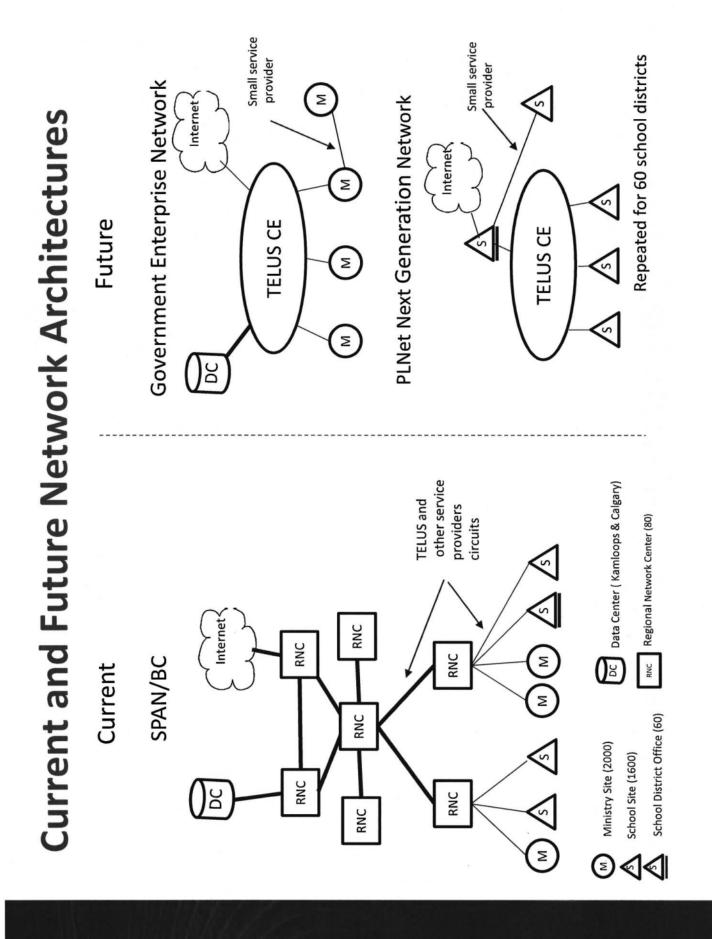


Government Network Modernization

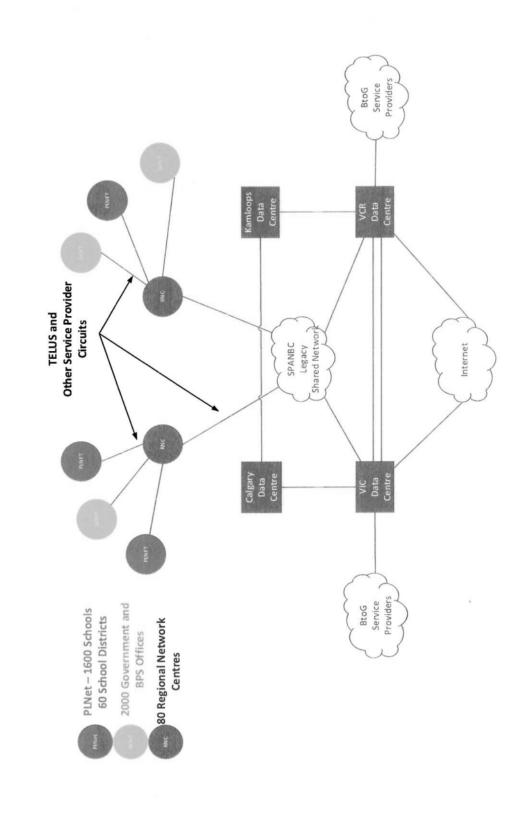
- Government is transitioning from its legacy data network to TELUS' advanced data network
- Strategic outcome of the TSMA.
- Second year of a four year project
- Shifts gov't from technology to service manager.
- Leverages advanced network features available on TELUS' national
- Virtual network features 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.
- Incents expansion of TELUS' network footprint into rural and remote areas of the province ١

Ministry of Education's Next Generation Network

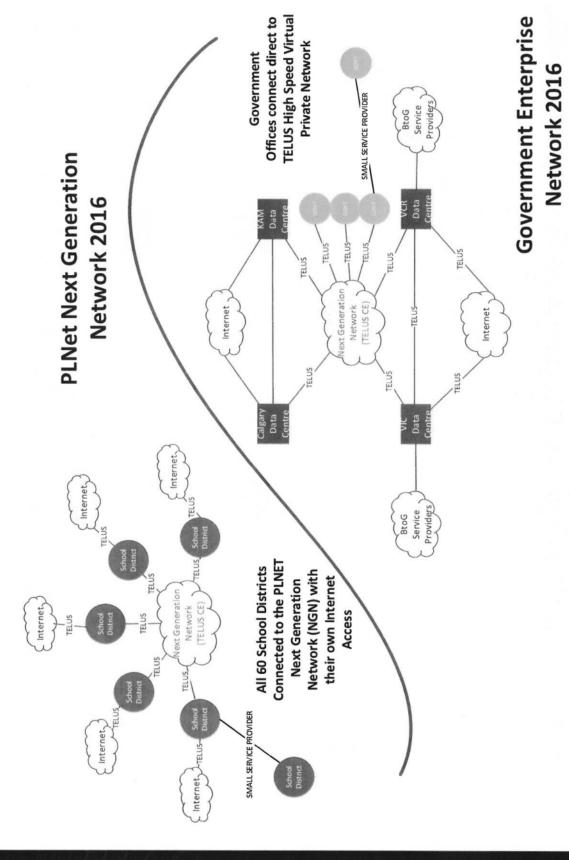
- Ministry of Education is also transitioning to TELUS' advanced data network.
- Modernizes internet access and increases connectivity for k-12 students
- Creates a more powerful and consistent network for digital curriculum delivery
- Provides a modern network that supports the Ministry of Education's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



Current Network Architecture - SPAN/BC



Future Network Architecture



At Issue...

- through TELUS will reduce government revenue for The transition to the advanced network service 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.
- submit proposals for k-12 school sites where they Service providers were given an opportunity to had incumbent status.
- In this phase the scope was limited to K-12 schools sites because of project time pressure. ١
- 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.
- 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
СВВС	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	
TELIPHONE	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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Listed below are schools in the district that have CE services available, or are on the CE footprint.

Street	e de atractica	514 N	Claus delever	Cia-Cia-
AMERICANDADAY	SubEntity	SiteName	SiteAddress	SiteCity
From Scientific State 1907	School District # 05 - Southeast Kootenay			
Frau Minchell Elementary School 1201 Biles 51 97ARWOOD				
Gerden Traves Elementary School 1300 7 th 3-5 CAMBROOK Inditing Literatury School 1300 2 to five FERRITORY 1300 2 to f				
Isabella Dickent Ementary School 100, 2nd Ave FRINCE		Gordon Terrace Elementary Sch	1200 5th Ave S	CRANBROOK
Rootenay Discovery School 100 2 Ind Ave FRINTED		Highlands Elementary School	3300 7th St S	CRANBROOK
Rootenay Disable Milementary School		Isabella Dicken Elementary School		
Rootenay Charles (Elementary School 1001 200 Am S CAMABIOCO Further Middle School 1001 200 Am S CAMABIOCO Further Middle School 1001 200 Am S CAMABIOCO 1000 Am S CAMABIOCO 10		Kootenay Discovery School		
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Southeast Kootenny 3D Hild Office Maintenance)				
Southeast Kontenay 3DO WAN 940 Industrial Ref #1 CAUNBROOK Southeast Kontenay 3DO WAN 940 Industrial Ref #1 CAUNBROOK Southeast Kontenay 3DO WAN 100 Ref Sporr 30 PANNOODO 100 PANNOODO				
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Science CAMBRIDON		Southeast Kootenay SDO WAN	940 Industrial Rd #1	CRANBROOK
T. Moberts Dementary School 100 Watswille 54 CLANBIOCO		Sparwood Secondary School	101 Pine Spur	SPARWOOD
School District # 08 - Kootenay Laks 500 B 811 Stanlery St MCSON Adam Robertons Elementary 421 9th Ave N CRESTON Adam Robertons Elementary 1072 Hybwys 6 CRESTON Campon Lister Elem School 475 Campon Lister F M CAMTON CRESTON CENTRAL CAMTON CRESTON		Steeples Elementary School	700 24th Ave N	CRANBROOK
Kotenary Lake 500 WAN #11.5 trainery 51 MELSON Adam Robertons Benentary #21.9 ha ve N CRISTION Brent Kernedy Elementary #1072 tilphway 6 SOUTH SLOCAN Carven Inteller Ben-School #575 Carven-Lister Fd CARVEN CARVE		T M Roberts Elementary School		
Adam Boberton Elementary 423 9th. Ave N	School District # 08 - Kootenay Lake			
Bernt Kennedy Elementary 1002 Highway 6 2007 MONTON Control Education Centre 617 Langua State 115 Langua State 11		The state of the s	The state of the s	
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Creston 64 Centre				
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Glemmore Elementary School 960 Glenmore Dr KELOWNA Glenrosa Elementary School 3430 Webber Rd WESTBANK Glenrosa Middle School 3565 Mciver Rd WESTBANK Helen Gorman Elementary 3230 Salmon Rd WESTBANK Hollywood Rd Education SDO BI 1040 HOLLYWOOD RD SOUTH Hudson Rd Education SDO WAN 1040 HOLLYWOOD RD SOUTH Hudson Rd Elem School 1221 Hudson rd KELOWNA K L O Secondary School 3130 Gordon Dr KELOWNA K L O Secondary School 3130 Gordon Dr KELOWNA Mar Jok Elementary School 3130 Gordon Dr KELOWNA Mar Jok Elementary School 5023 2101 McDougail Road KELOWNA Mount Boucherie Sec 2751 Cameron Rd KELOWNA North Glenmore Elementary 125 Snowsell S1 KELOWNA Okanagan Mission Sec 4544 Gordon Dr KELOWNA Oyama Traditional School SD23 15525 Greenhow Rd OYAMA Peachland Elementary 5486 Clements Cres PEACHLAND Pearson Elementary School 700 Pearson Rd KELOWNA Peter Greer Elem School 10300 Sherman Dr WINFIELD QUIGLEY ELEM SCHOOL 705 KITCH RD KELOWNA Raymer Elementary 657 Raymer Ave KELOWNA				
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School District # 33 - Chilliwack

School District # 40 - New West

School District # 43 - Coquitlam

Rutand 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 SD23 Chute Lake Elementary	1940 Underhill St 5240 Lark St	KELOWNA
SD23 Chute take Elementary 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 Elementay School	475 Yates Rd	KELOWNA
A.D. Rundle Middle School Bernard Elem School	45660 Hocking Ave 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 Evans Elementary School SD33	8855 ELM DR 7600 EVANS RD	Chilliwack 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 50850 Yale Rd RR 1	Chilliwack
Rosedale Traditional Community School Sardis Elementary School	45775 Manuel Rd	Chilliwack 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
Columbia Square Centre (AccessNewWest)	1001 Columbia St	NEW WESTMINSTER
Connaught Heights Elementary Ecole Glenbrook Middle School	2201 London St 701 PARK CRESENT	NEW WESTMINSTER 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 Queen Elizabeth Elementary	85 Merivale Street 921 Salter St	NEW WESTMINSTER NEW WESTMINSTER
Queensborough Middle School	833 Salter St	NEW WESTMINSTER
Richard McBride Elementary	331 Richmond St	NEW WESTMINSTER
Alderson Elementary	825 Gauthier Ave	COQUITLAM
Anmore Elementary	30 Elementary Rd	ANMORE
Aspenwood Elementary School	2001 Panorama Dr	PORT MOODY
Baker Dr Elementary School	885 Baker Dr	COQUITLAM
Banting Middle School	820 BANTING ST	COQUITIAM
Birchland Elementary School	1331 Fraser Ave	PORT COQUITIAM
Blakeburn Elementary BRAMBLEWOOD ELEMENTARY SCHOOL	1040 Riverside Dr 2875 Panorama Dr	PORT COQUITLAM COQUITLAM
Cape Horn Elementary School	155 Finnigan St	COQUITLAM
Castle Park Elementary	1144 Confederation Dr	PORT COQUITLAM
Cedar Drive Elementary	3150 Ceder 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 Coquitlam School District Office	4250 Shaughnessy St 550 Poirier St	PORT COQUITLAM 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	COQUITIAM
Hazel Trembath Elementary Scho Heritage Mountain Elementary	1278 Confederation Dr 125 Ravine Dr	PORT COQUITLAM
Heritage Woods Secondary	1300 David Avenue	PORT MOODY PORT MOODY
Hillcrest Middle	2161 Regan Ave	COQUITLAM
Irvine Elementary School	3862 Wellington St	PORT COQUITIAM
James Park Elementary School	1761 Westminster Ave	PORT COQUITLAM
Kilmer Elementary School	1575 Knappen St	PT COQUITLAM

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

3341 Grimmett St

MERRITT

School District # 46 - Sunshine Coast

School District # 47 - Powell River

School District # 48 - Sea to Sky

School District # 49 - Central Coast

School District #50 - Haida Gwaii Queen Charlotte

Merritt Bench Elementary School

School District #58 - Nicola Similkameen

School District # 59 - Peace River South

School District # 69 - Qualicum

School District # 70 - Port Alberni

School District # 79 - Cowichan Valley

School District # 82 - Coast Mountains

Merritt Central Elem School 1509 Voght Street MERRITT Merritt Secondary School 1561 Chapman St MERRITT Nicola Canford Elementary Sc 2311 Postell St Lower Nicola Nicola Similkameen SDO BI Nicola Similkameen SDO WAN 1561 Chapman St MERRITT 1561 Chapman St MERRITT Princeton Secondary School 201 Old Merritt Hwy PRINCETON South Central Interior Distance Ed 2475 Merritt Ave MERRITT Vermilion Forks Elementary PRINCETON 99 Ridgewood Dr 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 ARRAS 4584 208 Rd Don Titus Elementary School 5304 47th Ave CHETWYND Dawson Creek CHETWYND École Frank Ross Elementary School 1000 92nd Ave Little Prairie Elementary School 4200 51st Ave McLeod Elementary School 8025 265 Rd PROGRESS Moberly Lake Elementary School 6531 Lakeshore Drive MORERLYLAKE 5104 Parkland Rd Parkland Elementary School 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 Elementar 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 Scho 355 Monkman Way TUMBLER RIDGE Tumbler Ridge Secondary School 180 Southgate TUMBLER RIDGE Windrem Elementary School 5004 46th St CHETWYND Arrow View Elem School 650 Bennett Rd QUALICUM BEACH **Building Learning Together Program** 100 Jensen Ave E PARKSVILLE Ecole Seccondaire Ballena Schl 135 Pvm St PARKSVILLE Errington Elem School 1390 Fairdow PARKSVILLE Family Place French Creek Elem School 494 Bay Ave 2350 Alberni Hwy PARKSVILLE PARKSVILLE Kwalikum Secondary School QUALICUM BEACH 266 Village Way Nanoose Bay Elem School 2875 NW Bay Rd NANOOSE BAY Oceanside Middle School PARKSVILLE 980 Wright Rd Parksville Elementary School 330 Craig St PARKSVILLE Qualicum Beach Middle School 699 Claymore Rd QUALICUM REACH Qualicum Elem School QUALICUM BEACH 744 Primrose St Qualicum SDO BI PARKSVILE Qualicum SDO WAN 100 Jensen Ave E PARKSVILE Springwood Middle School PARKSVILLE 450 Despard Ave Winchelsea Elementary School 140 Renz Rd PARKSVILLE A W Neill Middle School 5055 Compton Rd PORT ALBERNI Alberni Elementary School PORT ALBERNI 4645 Helen St 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 Maguinna Elem School 3881 Bruce St PORT ALBERNI Wickaninnish Community School 431 Gibson St TOFINO Wood Elem School PORT ALBERNI 4111 Wood Ave Alex Aitken Elementary School 2494 Roome Rd DUNCAN Alexander Elementary School 2471 Beverly St DUNCAN Bench Elementary School COBBLE HILL 1501 Cowichan Bay Rd Chemainus Elementary 3172 Garner ST CHEMAINUS CHEMAINUS Chemainus Secondary School 9947 Daniel St 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 Flementary 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 756 Castle Pl SD79- Cowichan Learning Centre 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 Coast Mountains SDO WAN 3211 Kenney St TERRACE 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 Majagaleehl 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 Buildin		TERRACE
Suwilaawks Community School (ET Kenney Building)	4620 Loen Ave	TERRACE
Thornhill Elementary School	2906 Clark St	TERRACE
THORNHILL JUNIOUR SEC SD82	3120 E HWY 16	TERRACE
Thornhill Primary School	3860 Paquette Ave	TERRACE
UPLANDS ELEMENTARY SCHOOL	4110 THOMAS ST	TERRACE
David Hov 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
François Lake Elementary School	860 François Lake Rd E	François 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 Centr	e) 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
Vallhalla 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	HAGENSBORG	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
	Oliver			
6161 Okanagan Street		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	Penticton	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	Теггасе	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
		SD93		

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

High

Subject:

RE: government network modernization Feb 2.pptx

Date:

February 2, 2016 9:55:33 AM

Attachments: Importance: government network modernization Feb 2.pptx

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.

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.

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.

Hughes, Bette-Jo MTIC:EX

To:

Matevko, 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

image003

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Mateyko, Roman MTIC:EX

To: Cc: Hughes, Bette-Jo MTIC:EX

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.

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

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Mateyko, Roman MTIC:EX Stanford, Susan MTIC:EX

To: 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

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Mateyko, Roman MTTC:EX Hauff, Chris R MTTC:EX

Subject: Date: alternate vendors version 1.0.pptx January 10, 2016 9:05:00 AM alternate vendors version 1.0.pptx

Attachments: Importance:

High

fyi

Mateyko, Roman MTIC:EX Hauff, Chris R MTIC:EX

Subject: Date:

Attachments:

alternate vendors version 1.0.pptx January 17, 2016 9:26:00 PM alternate vendors version 1.0.pptx

fyi

Cc:

Mateyko, Roman MTIC:EX Stanford, Susan MTIC:EX Hauff, Chris R MTIC:EX

Subject: Date: alternate vendors version 5.0.pptx January 28, 2016 7:57:00 AM alternate vendors version 5.0.pptx

Attachments: Importance:

High

Susan, here is our draft. Suggestions welcome.

Mateyko, Roman MTIC:EX

To:

Hauff, Chris R MTIC:EX

Subject:

FW: alternate vendors version 5.0.pptx January 28, 2016 9:11:00 AM

Date: 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

From: Roman Mateyko < Roman. Mateyko@gov.bc.ca>

Date: Thursday, January 28, 2016 at 7:57 AM **To:** Susan Stanford susan.stanford@gov.bc.ca

Cc: Chris Hauff < Chris.Hauff@gov.bc.ca > **Subject:** alternate vendors version 5.0.pptx

Susan, here is our draft. Suggestions welcome.

Mateyko, Roman MTIC:EX Hauff, Chris R MTIC:EX

Cc:

Graham, Kadriye MTIC:EX

Subject: Date: RE: alternate vendors version 1.0.pptx January 22, 2016 12:53:00 PM

Date: Attachments:

alternate vendors version 2.0.pptx

imag

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

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>

Subject: alternate vendors version 1.0.pptx

Importance: High

fyi

Stanford, Susan MTIC:EX Mateyko, Roman MTIC:EX

Subject:

Re: alternate vendors version 5.0.pptx

Date: Attachments: January 28, 2016 9:09:10 AM alternate vendors version 5.0b.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

From: Roman Mateyko < Roman. Mateyko@gov.bc.ca>

Date: Thursday, January 28, 2016 at 7:57 AM **To:** Susan Stanford < susan.stanford@gov.bc.ca>

Cc: Chris Hauff < <u>Chris.Hauff@gov.bc.ca</u>> **Subject:** alternate vendors version 5.0.pptx

Susan, here is our draft. Suggestions welcome.

Hauff, Chris R MTIC:EX Mateyko, Roman MTIC:EX Stanford, Susan MTIC:EX

Cc: Subject:

Re: alternate vendors version 5.0.pptx

Date:

January 28, 2016 9:38:06 AM

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> 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>

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

From: Roman Mateyko < Roman. Mateyko@gov.bc.ca>

Date: Thursday, January 28, 2016 at 7:57 AM **To:** Susan Stanford < susan.stanford@gov.bc.ca >

Cc: Chris Hauff < 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

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

From: Roman Mateyko < Roman. Mateyko@gov.bc.ca>

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

To: Susan Stanford < susan.stanford@gov.bc.ca >

Cc: Chris Hauff < 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

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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 > 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 < lan.Bailey@gov.bc.ca>

Subject: FW: Government Network Modernization Power Point

Importance: High

Hi lan -

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: Çould 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
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>

Cc: Hauff, Chris R MTIC:EX < Chris.Hauff@gov.bc.ca>; Bailey, Ian D MTIC:EX < Ian.Bailey@gov.bc.ca>; Stanford, Susan MTIC:EX < 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 > 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>

Cc: Hauff, Chris R MTIC:EX < Chris.Hauff@gov.bc.ca>; Bailey, Ian D MTIC:EX < Ian.Bailey@gov.bc.ca>; Stanford, Susan MTIC:EX < 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 > 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

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

<image012.jpg>

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<alternate vendors version 6 .1.pptx>

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