

# WORKBC INDUSTRY OUTLOOK PROFILE

## TELECOMMUNICATIONS

(NAICS<sup>1</sup> 517)

### About this report

This is a summary of forecast information available about this industry in the B.C. Labour Market Outlook 2018 edition forecast. An overview of this forecast is provided in the main report which is available at: [www.workbc.ca/labourmarketoutlook](http://www.workbc.ca/labourmarketoutlook). The raw data is available at: [BC Data Catalogue](#).

### 1. Outlook Highlights

The Telecommunications industry is mainly supported by a growing population and changes in communications technology. The Telecommunications industry comprises establishments primarily engaged in providing telecommunications and/or video entertainment services over their own networks, or over networks operated by others. The establishments of this subsector are grouped into industries on the basis of the nature of services provided (fixed or mobile), the type of network used to deliver those services (wireline or wireless), and the business model they employ (facilities-based or resale).

Over the next ten years to 2028, the industry is expected to have about 6,100 job openings, 72% of which would come from replacements of existing workers.

#### 1.1 B.C. industry employment and job openings

Industry	Employment		Employment Growth			Job Openings		Replacement Share
	Number of Workers	Share of B.C.	(Average Annual Rate)			Number of Openings	Share of B.C.	(Share of Openings)
	2018	2018	2018-2023	2023-2028	2018-2028	2018-2028	2018-2028	2018-2028
<b>This Industry</b>	17,685	0.7%	0.7%	1.2%	0.9%	6,124	0.7%	71.7%
<b>All Industries</b>	2,501,081	100.0%	1.1%	1.1%	1.1%	903,007	100.0%	68.1%

#### 1.2 B.C. industry job openings by type

Job Openings	2018-2023	2023-2028	2018-2028
<b>Total Job Openings</b>	2,718	3,407	6,125
<b>Expansion Demand</b>	611	1,120	1,731
<b>Replacement Demand</b>	2,108	2,287	4,395

*2018-2028 total job openings<sup>2</sup>: the total job openings in the 10 years between 2018 and 2028*

<sup>1</sup> NAICS: North American Industry Classification System Canada 2012

<sup>2</sup> Total job openings: the sum of expansion and replacement job openings over the period. A job opening is the addition of a new job through economic growth (expansion) or a job that needs to be filled due to someone exiting the labour force permanently as a result of retirement, death or other reasons (replacement).

# WORKBC INDUSTRY OUTLOOK PROFILE

## 1.3 B.C. industry employment growth and job openings by development region

Region	Employment	Employment Growth (Average Annual Rate)			Job Openings		
	2018	2018-2023	2023-2028	2018-2028	2018-2023	2023-2028	2018-2028
<b>British Columbia</b>	17,685	0.7%	1.2%	0.9%	2,718	3,407	6,125
<b>Vancouver Island/Coast</b>	1,287	2.2%	1.9%	2.0%	319	337	656
<b>Mainland/Southwest</b>	14,599	0.1%	1.1%	0.6%	1,747	2,677	4,424
<b>Thompson-Okanagan</b>	914	3.8%	1.7%	2.8%	341	259	600
<b>Kootenay</b>	216	0.0%	0.0%	0.0%	29	29	58
<b>Cariboo</b>	413	4.8%	-0.1%	2.3%	158	45	203
<b>North Coast &amp; Nechako</b>	171	3.4%	1.5%	2.5%	48	34	82
<b>Northeast</b>	85	11.4%	1.5%	6.3%	76	27	103

## 2. Occupations in the Industry

### 2.1 B.C. top occupations by skill level in the industry

Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
<b>LEVEL 0:</b> <i>Usually requiring combination of education and experience</i>	#0131	Telecommunication carriers managers	1,436	658	3.6%	41.03	34.87	57.00
	#0601	Corporate sales managers	210	102	3.7%	36.35	17.79	49.04
	#0213	Computer and information systems managers	203	77	3.1%	43.27	26.44	69.40
	#0013	Senior managers - financial, communications and other business services	145	64	3.3%	-	-	-
	#0124	Advertising, marketing and public relations managers	178	48	1.9%	38.00	19.64	75.00
		Other occupations	454	202	-	-	-	-
	<b>Total</b>			<b>2,625</b>	<b>1,152</b>	-	-	-
<b>LEVEL A:</b> <i>Usually requiring a Bachelor's, Graduate or First Professional Degree</i>	#2171	Information systems analysts and consultants	763	237	2.3%	38.46	23.08	52.88
	#1122	Professional occupations in business management consulting	414	137	2.5%	36.00	20.00	51.43
	#2147	Computer engineers (except software engineers and designers)	339	103	2.2%	40.50	25.48	50.61
	#2174	Computer programmers and interactive media developers	206	63	2.1%	38.46	22.00	55.77
	#1123	Professional occupations in advertising, marketing and public relations	195	52	1.8%	27.00	16.00	48.08
		Other occupations	1,268	371	-	-	-	-
	<b>Total</b>			<b>3,185</b>	<b>963</b>	-	-	-

# WORKBC INDUSTRY OUTLOOK PROFILE

Skill Level	NOC	Occupation	Employment	Job Openings	Replacement Rate (Annual)	Wage Rate Median	Wage Rate Low	Wage Rate High
			2018	2018-2028	2018-2028	2017	2017	2017
<b>LEVEL B:</b>  <i>Usually requiring diploma, certificate or apprenticeship training</i>	#7246	Telecommunications installation and repair workers	1,891	733	2.4%	32.00	19.83	41.50
	#6221	Technical sales specialists - wholesale trade	913	368	2.9%	25.38	14.00	46.63
	#7245	Telecommunications line and cable workers	882	334	2.4%	26.00	19.46	42.14
	#2281	Computer network technicians	702	237	2.2%	33.65	21.60	57.69
	#2282	User support technicians	567	166	1.9%	28.97	18.00	48.08
		Other occupations	2,026	765	-	-	-	-
	<b>Total</b>			<b>6,982</b>	<b>2,604</b>	-	-	-
<b>LEVEL C:</b>  <i>Usually requiring secondary school and/or occupation-specific training</i>	#6552	Other customer and information services representatives	2,669	733	1.7%	20.00	12.00	30.00
	#6421	Retail salespersons	984	253	1.6%	12.50	11.35	23.00
	#1411	General office support workers	209	71	2.5%	21.35	13.08	29.30
	#6411	Sales and account representatives - wholesale trade (non-technical)	124	46	2.7%	24.04	13.74	41.83
	#1431	Accounting and related clerks	124	44	2.6%	21.00	13.30	30.00
		Other occupations	595	195	-	-	-	-
	<b>Total</b>			<b>4,706</b>	<b>1,341</b>	-	-	-
<b>LEVEL D:</b>  <i>Usually requiring on-the-job training</i>	#6623	Other sales related occupations	73	25	2.1%	12.60	11.35	28.00
	#6733	Janitors, caretakers and building superintendents	39	15	3.3%	17.00	11.35	25.91
	#7612	Other trades helpers and labourers	19	7	1.4%	20.00	13.00	31.66
	#9614	Labourers in wood, pulp and paper processing	8	5	2.7%	26.00	14.00	30.00
	#6611	Cashiers	16	4	1.2%	11.35	11.35	18.82
		Other occupations	33	9	-	-	-	-
	<b>Total</b>			<b>187</b>	<b>65</b>	-	-	-