UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

FOR THE QUARTERLY PERIOD ENDED JUNE 30, 2020

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

FOR THE TRANSITION PERIOD FROM___TO

Commission file number 000-24389

OneSpan Inc.
(Exact Name of Registrant as Specified in Its Charter)

DELAWARE **(State or Other Jurisdiction of Incorporation or Organization)**	**36-4169320** **(I.R.S. Employer Identification No.)**

121 West Wacker Drive, Suite 2050
Chicago, Illinois 60601
(Address of Principal Executive Offices) (Zip Code)

(312) 766-4001
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class:	Trading Symbol	Name of each exchange on which registered:
Common Shares	OSPN	NASDAQ

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer ,a smaller reporting company, or an emerging growth company. See definition of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	☐	Accelerated filer	☒
Non-accelerated filer	☐	Emerging growth company	☐
		Smaller reporting company	☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). ☐ Yes ☒ No

There were 40,345,291 shares of Common Stock, $.001 par value per share, outstanding at August 3, 2020.

OneSpan Inc.
Form 10-Q
For the Quarter Ended June 30, 2020
Table of Contents

OneSpan Inc.
CONDENSED CONSOLIDATED BALANCE SHEETS
(in thousands)
(unaudited)

	June 30, 2020	December 31, 2019
ASSETS		
Current assets		
Cash and equivalents	$ 83,984	$ 84,282
Short term investments	26,796	25,511
Accounts receivable, net of allowances of $3,723 in 2020 and $2,524 in 2019	54,347	62,405
Inventories, net	16,443	19,819
Prepaid expenses	6,004	6,198
Contract assets	6,848	5,240
Other current assets	7,261	6,346
Total current assets	201,683	209,801
Property and equipment, net	12,159	11,454
Operating lease right-of-use assets	10,789	10,580
Goodwill	91,646	94,612
Intangible assets, net of accumulated amortization	30,652	36,209
Deferred income taxes	8,039	7,863
Contract assets - non-current	3,774	3,355
Other assets	9,719	8,668
Total assets	$ 368,461	$ 382,542
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities		
Accounts payable	$ 5,778	$ 10,835
Deferred revenue	37,728	30,338
Accrued wages and payroll taxes	13,766	15,415
Short-term income taxes payable	2,571	7,410
Other accrued expenses	9,608	8,786
Deferred compensation	1,041	1,028
Total current liabilities	70,492	73,812
Long-term deferred revenue	10,723	15,259
Long-term lease liability	11,749	11,299
Other long-term liabilities	8,021	8,297
Long-term income taxes payable	5,905	6,958
Deferred income taxes	4,364	4,623
Total liabilities	111,254	120,248
Stockholders' equity		
Preferred stock: 500 shares authorized, none issued and outstanding at December 31, 2020 and 2019	—	—
Common stock: $.001 par value per share, 75,000 shares authorized; 40,329 and 40,207 issued and outstanding at June 30, 2020 and December 31, 2019, respectively	40	40
Additional paid-in capital	97,140	96,109
Accumulated income	177,166	179,440
Accumulated other comprehensive loss	(17,139)	(13,295)
Total stockholders' equity	257,207	262,294
Total liabilities and stockholders' equity	$ 368,461	$ 382,542

See accompanying notes to unaudited condensed consolidated financial statements.

OneSpan Inc.
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except per share data)
(unaudited)

	Three Months ended June 30,		Six Months ended June 30,	
	2020	**2019**	**2020**	**2019**
Revenue				
Product and license	$ 35,384	$ 40,117	$ 73,644	$ 71,460
Services and other	19,570	16,050	37,680	31,802
Total revenue	54,954	56,167	111,324	103,262
Cost of goods sold				
Product and license	12,576	13,451	23,314	24,767
Services and other	5,649	4,429	10,981	9,152
Total cost of goods sold	18,225	17,880	34,295	33,919
Gross profit	36,729	38,287	77,029	69,343
Operating costs				
Sales and marketing	14,694	16,040	29,553	30,423
Research and development	10,541	11,977	20,535	22,472
General and administrative	10,846	10,180	23,114	20,050
Amortization of intangible assets	2,335	2,368	4,689	4,716
Total operating costs	38,416	40,565	77,891	77,661
Operating loss	(1,687)	(2,278)	(862)	(8,318)
Interest income, net	126	69	333	204
Other income (expense), net	509	451	171	(100)
Loss before income taxes	(1,052)	(1,758)	(358)	(8,214)
Provision for income taxes	973	753	1,663	353
Net loss	$ (2,025)	$ (2,511)	$ (2,021)	$ (8,567)
Net loss per share				
Basic	$ (0.05)	$ (0.06)	$ (0.05)	$ (0.21)
Diluted	$ (0.05)	$ (0.06)	$ (0.05)	$ (0.21)
Weighted average common shares outstanding				
Basic	40,028	40,038	40,059	40,037
Diluted	40,028	40,038	40,059	40,037

See accompanying notes to unaudited condensed consolidated financial statements.

OneSpan Inc.
CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS
(in thousands)
(unaudited)

	Three months ended June 30,		Six months ended June 30,	
	2020	2019	2020	2019
Net loss	$ (2,025)	$ (2,511)	$ (2,021)	$ (8,567)
Other comprehensive loss				
Cumulative translation adjustment, net of tax	446	(1,298)	(3,832)	(428)
Pension adjustment, net of tax	(6)	(12)	(12)	(28)
Comprehensive loss	$ (1,585)	$ (3,821)	$ (5,865)	$ (9,023)

See accompanying notes to unaudited condensed consolidated financial statements.

OneSpan Inc.
CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY
(in thousands)
(unaudited)

For the three and six months ended June 30, 2020:

Description	Common Stock Shares	Common Stock Amount	Additional Paid-In Capital	Accumulated Income	Accumulated Other Comprehensive Income (Loss)	Total Stockholders' Equity
Balance at December 31, 2019	40,207	$ 40	$ 96,109	$ 179,440	$ (13,295)	$ 262,294
Cumulative impact of change in accounting principle, net of tax	—	—	—	(253)	—	(253)
Net income (loss)	—	—	—	4	—	4
Foreign currency translation adjustment, net of tax	—	—	—	—	(4,278)	(4,278)
Restricted stock awards	168	—	1,350	—	—	1,350
Tax payments for stock issuances	(61)	—	(293)	—	—	(293)
Pension adjustment, net of tax	—	—	—	—	(6)	(6)
Balance at March 31, 2020	40,314	$ 40	$ 97,166	$ 179,191	$ (17,579)	$ 258,818
Net income (loss)	—	—	—	(2,025)	—	(2,025)
Foreign currency translation adjustment, net of tax	—	—	—	—	446	446
Restricted stock awards	19	—	860	—	—	860
Tax payments for stock issuances	(4)	—	(886)	—	—	(886)
Pension adjustment, net of tax	—	—	—	—	(6)	(6)
Balance at June 30, 2020	40,329	$ 40	$ 97,140	$ 177,166	$ (17,139)	$ 257,207

For the three and six months ended June 30, 2019:

Description	Common Stock Shares	Common Stock Amount	Additional Paid-In Capital	Accumulated Income	Accumulated Other Comprehensive Income (Loss)	Total Stockholders' Equity
Balance at December 31, 2018	40,225	40	93,310	171,576	(13,287)	251,639
Net income (loss)	—	—	—	(6,056)	—	(6,056)
Foreign currency translation adjustment, net of tax	—	—	—	—	870	870
Restricted stock awards	(10)	—	552	—	—	552
Tax payments for stock issuances	—	—	(218)	—	—	(218)
Pension adjustment, net of tax	—	—	—	—	(16)	(16)
Balance at March 31, 2019	40,215	$ 40	$ 93,644	$ 165,520	$ (12,433)	$ 246,771
Net income (loss)	—	—	—	(2,511)	—	(2,511)
Foreign currency translation adjustment, net of tax	—	—	—	—	(1,298)	(1,298)
Restricted stock awards	117	—	677	—	—	677
Tax payments for stock issuances	(4)	—	(49)	—	—	(49)
Pension adjustment, net of tax	—	—	—	—	(12)	(12)
Balance at June 30, 2019	40,328	$ 40	$ 94,272	$ 163,009	$ (13,743)	$ 243,578

See accompanying notes to unaudited condensed consolidated financial statements.

OneSpan Inc.
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(in thousands)
(unaudited)

	Six months ended June 30, 2020		Six months ended June 30, 2019	
Cash flows from operating activities:				
Net loss	$	(2,021)	$	(8,567)
Adjustments to reconcile net loss from operations to net cash provided by (used in) operations:				
Depreciation and amortization of intangible assets		6,097		5,734
Loss on disposal of assets		53		—
Deferred tax benefit		(319)		(349)
Stock-based compensation		2,210		1,229
Changes in operating assets and liabilities:				
Accounts receivable, net		7,528		(8,788)
Inventories, net		3,376		(5,792)
Contract assets		(2,026)		4,703
Accounts payable		(5,025)		4,448
Income taxes payable		(5,870)		(6,139)
Accrued expenses		(791)		(4,269)
Deferred compensation		13		(332)
Deferred revenue		2,990		(1,758)
Other assets and liabilities		(1,834)		(2,913)
Net cash provided by (used in) operating activities		4,381		(22,793)
Cash flows from investing activities:				
Purchase of short term investments		(14,645)		(12,829)
Maturities of short term investments		13,340		9,500
Additions to property and equipment		(2,167)		(989)
Other		(48)		—
Net cash used in investing activities		(3,520)		(4,318)
Cash flows from financing activities:				
Tax payments for restricted stock issuances		(1,179)		(266)
Net cash used in financing activities		(1,179)		(266)
Effect of exchange rate changes on cash		20		(205)
Net decrease in cash		(298)		(27,582)
Cash, cash equivalents, and restricted cash, beginning of period		85,129		77,555
Cash, cash equivalents, and restricted cash, end of period (1.)	$	84,831	$	49,973

(1.) The following table provides a reconciliation of cash, cash equivalents and restricted cash shown above to amounts reported within the unaudited condensed consolidated balance sheet as of June 30, 2020 and December 31, 2019 and amounts previously reported within the unaudited condensed consolidated balance sheet in our Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2019 (in thousands):

	June 30, 2020		June 30, 2019		December 31, 2019	
Cash and cash equivalents	$	83,984	$	49,126	$	84,282
Restricted cash included in other non-current assets		847		847		847
Cash, cash equivalents and restricted cash	$	84,831	$	49,973	$	85,129

See accompanying notes to unaudited condensed consolidated financial statements.

OneSpan Inc.
Notes to Condensed Consolidated Financial Statements
(unaudited)

Unless otherwise noted, references in this Quarterly Report on Form 10-Q to "OneSpan," "Company," "we," "our," and "us," refer to OneSpan Inc. and its subsidiaries.

Note 1 – Description of the Company and Basis of Presentation

Description of the Company

OneSpan Inc. and its wholly owned subsidiaries design, develop, market and support hardware and software security systems that manage and secure access to information assets. OneSpan has operations in Austria, Australia, Belgium, Brazil, Canada, China, France, Japan, The Netherlands, Singapore, Switzerland, the United Arab Emirates, the United Kingdom (U.K), and the United States (U.S.).

In accordance with ASC 280, Segment Reporting, our operations are reported as a single operating segment. The chief operating decision maker is the Chief Executive Officer who reviews the statement of operations of the Company on a consolidated basis, makes decisions and manages the operations of the Company as a single operating segment.

Basis of Presentation

The accompanying unaudited condensed consolidated financial statements include the accounts of OneSpan and its subsidiaries and have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission ("SEC") regarding interim financial reporting. Accordingly, they do not include all of the information and notes required by generally accepted accounting principles in the United States ("U.S. GAAP") for complete financial statements and should be read in conjunction with the audited consolidated financial statements included in the Company's Annual Report on Form 10-K for the year ended December 31, 2019.

In the opinion of management, the accompanying unaudited condensed consolidated financial statements have been prepared on the same basis as the audited consolidated financial statements, and include all adjustments, consisting only of normal recurring adjustments, necessary for the fair presentation of the results of the interim periods presented. All significant intercompany accounts and transactions have been eliminated. Operating results for the three and six months ended June 30, 2020 are not necessarily indicative of the results that may be expected for the year ended December 31, 2020, particularly in light of the novel coronavirus (COVID-19) pandemic and its effects on domestic and global economies. To limit the spread of COVID-19, governments have imposed, and may continue to impose, among other things, travel and business operation restrictions and stay-at-home orders and social distancing guidelines, causing some businesses to adjust, reduce or suspend operating activities. These disruptions and restrictions could adversely affect our operating results due to, among other things, reduced demand for our services and solutions as a result of our customers having to adjust, reduce or suspend operating activities. During the summer of 2020, we began to experience softened demand for our products and services due to, we believe, global economic uncertainty connected with the continued seriousness of the COVID-19 pandemic.

For additional information, see Part II, Item 1A – Risk Factors of this Form 10-Q for additional information regarding the potential impact of COVID-19 on the Company.

Revision of Previously Issued Financial Statements

We have revised amounts reported in previously issued financial statements for the periods presented in this Quarterly Report on Form 10-Q related to immaterial errors. The errors relate to certain contracts with customers involving term-based software licenses and related maintenance and support services. The net contract assets that originated from a portion of these contracts in prior periods were not properly accounted for in subsequent periods, which caused overstatements of revenue in prior periods.

We evaluated the aggregate effects of the errors to our previously issued financial statements in accordance with SEC Staff Accounting Bulletins No. 99 and No. 108 and, based upon quantitative and qualitative factors, determined that the errors were not material to the previously issued financial statements and disclosures included in our Annual Reports on Form 10-K for the years ended December 31, 2019 and 2018, or for any quarterly periods included therein or through our most recent Quarterly Report on Form 10-Q.

The following tables present the effects of the aforementioned revisions on our condensed consolidated balance sheet as of December 31, 2019, our unaudited condensed consolidated statements of operations for the three and six months ended June 30, 2019, our unaudited condensed consolidated statements of comprehensive loss for the three and six months ended June 30, 2019, our unaudited condensed consolidated statement of stockholders' equity for the three and six months ended June 30, 2019, our unaudited condensed consolidated statement of stockholders' equity for the three months ended March 31, 2020, and our unaudited condensed consolidated statement of cash flows for the six months ended June 30, 2019 (in thousands).

Condensed Consolidated Balance Sheet

	December 31, 2019		
in thousands	**As Previously Reported**	**Adjustments**	**As Revised**
Contract assets	$ 7,058	$ (1,818)	$ 5,240
Total current assets	211,619	(1,818)	209,801
Contract assets - non-current	3,565	(210)	3,355
Total assets	384,570	(2,028)	382,542
Short-term income taxes payable	7,711	(301)	7,410
Total current liabilities	74,113	(301)	73,812
Long-term deferred revenue	15,259	—	15,259
Long-term income taxes payable	6,958	—	6,958
Total liabilities	120,549	(301)	120,248
Accumulated income	181,167	(1,727)	179,440
Accumulated other comprehensive loss		—	
Total stockholders' equity	264,021	(1,727)	262,294
Total liabilities and stockholders' equity	384,570	(2,028)	382,542

Condensed Consolidated Statements of Operations (Unaudited)

	Three Months ended June 30, 2019			Six Months ended June 30, 2019		
	As Previously Reported	**Adjustments**	**As Revised**	**As Previously Reported**	**Adjustments**	**As Revised**
Revenue						
Product and license	$ 40,117	$ —	$ 40,117	$ 71,978	$ (518)	$ 71,460
Services and other	16,117	(67)	16,050	31,864	(62)	31,802
Total revenue	56,234	(67)	56,167	103,842	(580)	103,262
Gross Profit	38,354	(67)	38,287	69,923	(580)	69,343
Operating loss	(2,211)	(67)	(2,278)	(7,738)	(580)	(8,318)
Loss before income taxes	(1,691)	(67)	(1,758)	(7,634)	(580)	(8,214)
Provision (benefit) for income taxes	770	(17)	753	499	(146)	353
Net Loss	(2,461)	(50)	(2,511)	(8,133)	(434)	(8,567)

Condensed Consolidated Statements of Comprehensive Loss (Unaudited)

	Three Months ended June 30, 2019			Six Months ended June 30, 2019		
	As Previously Reported	Adjustments	As Revised	As Previously Reported	Adjustments	As Revised
Net income (loss)	$ (2,461)	$ (50)	$ (2,511)	$ (8,133)	$ (434)	$ (8,567)
Comprehensive income (loss)	(3,771)	(50)	(3,821)	(8,589)	(434)	(9,023)

Condensed Consolidated Statements of Stockholders' Equity (Unaudited)

	Total Stockholders' Equity		
in thousands	As Previously Reported	Adjustments	As Revised
Balance at December 31, 2018	$ 252,441	$ (802)	$ 251,639
Net income (loss)	(5,671)	(385)	(6,056)
Balance at March 31, 2019	247,958	(1,187)	246,771
Net income (loss)	(2,461)	(50)	(2,511)
Balance at June 30, 2019	244,815	(1,237)	243,578
Balance at December 31, 2019	$ 264,021	$ (1,727)	$ 262,294
Net income (loss)	98	(94)	4
Balance at March 31, 2020	260,639	(1,821)	258,818

Condensed Consolidated Statements of Cash Flows (Unaudited)

	Six Months ended June 30, 2019		
in thousands	As Previously Reported	Adjustments	As Revised
Cash flows from operating activities:			
Net loss	$ (8,133)	$ (434)	$ (8,567)
Changes in operating assets and liabilities:			
Contract assets	4,123	580	4,703
Income taxes payable	(5,993)	(146)	(6,139)
Deferred revenue	—	—	—
Net cash provided by (used in) operating activities	(22,793)	—	(22,793)

For the three months ended March 31, 2020, the impacts of the adjustments resulted in a decrease of $0.1 million to income before taxes, and a decrease of $0.1 million to net income, compared to the amounts previously reported.

Principles of Consolidation

The consolidated financial statements include the accounts of OneSpan Inc. and its wholly owned subsidiaries. Intercompany accounts and transactions have been eliminated in consolidation.

Estimates and Assumptions

The preparation of financial statements in conformity with accounting principles generally accepted in the U.S. requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

Foreign Currency Translation and Transactions

The financial position and results of the operations of the majority of the Company's foreign subsidiaries are measured using the local currency as the functional currency. Accordingly, assets and liabilities are translated into U.S.

Dollars using current exchange rates as of the balance sheet date. Revenue and expenses are translated at average exchange rates prevailing during the year. Translation adjustments arising from differences in exchange rates are charged or credited to other comprehensive income (loss). Gains and losses resulting from foreign currency transactions are included in the condensed consolidated statements of operations in other income (expense), net. Foreign exchange transaction gains aggregated less than $0.1 million for the three months ended June 30, 2020, and foreign exchange transaction gains aggregated $0.2 million for the three months ended June 30, 2019. For the six months ended June 30, 2020, foreign exchange loss aggregated $0.5 million, and foreign exchange transaction losses aggregated $0.7 million for the six months ended June 30, 2019.

The financial position and results of our operations in Singapore, Switzerland, and Canada are measured in U.S. Dollars. For these subsidiaries, gains and losses that result from foreign currency transactions are included in the consolidated statements of operations in other income (expense), net.

Share Repurchase Program

On June 10, 2020, the Board of Directors authorized a share repurchase program (“program”), pursuant to which the Company can repurchase up to $50.0 million of issued and outstanding common stock. Share purchases under the program will take place in open market transactions or in privately negotiated transactions and may be made from time to time depending on market conditions, share price, trading volume, and other factors. The timing of the repurchases and the amount of stock repurchased in each transaction is subject to OneSpan’s sole discretion and will depend upon market and business conditions, applicable legal and credit requirements and other corporate considerations. As of June 30, 2020, no shares had been repurchased under the program. The authorization is effective until June 10, 2022 unless the total amount has been used or authorization has been cancelled.

Note 2 – Summary of Significant Accounting Policies

Except for certain changes which resulted from the adoption of ASU 2016-13, there have been no changes to the significant accounting policies described in the Annual Report on Form 10-K for the year ended December 31, 2019, filed with the SEC on March 16, 2020 that have had a material impact on the Company’s condensed consolidated financial statements and related notes.

Cash, Cash Equivalents and Restricted Cash.

We are in a lease agreement that required a letter of credit in the amount of $0.8 million to secure the obligation. The restricted cash related to this letter of credit is recorded in other non-current assets on the Condensed Consolidated Balance Sheet at June 30, 2020 and December 31, 2019.

Short Term Investments

The Company’s short term investments are in debt securities which consist of U.S treasury bills and notes, U.S. government agency notes, corporate notes, and high quality commercial paper with maturities at acquisition of more than three months and less than twelve months The Company classifies its investments in debt securities as available-for-sale. The Company adopted ASU 2016-13, *Measurement of Credit Losses on Financial Instruments*, on January 1, 2020, which amended our accounting for available-for-sale debt securities. Credit impairments are recorded through an allowance rather than a direct write-down of the security and are recorded through a charge to the condensed consolidated statement of operations. Unrealized gains or losses not related to credit impairments are recorded in accumulated other comprehensive gain/(loss) in the condensed consolidated balance sheets. The Company reviews available-for-sale debt securities for impairments related to credit losses and other factors each quarter. As of June 30, 2020 and December 31, 2019, the unrealized gains and losses were not material.

Accounts Receivable, net of Allowance for Credit Losses

The Company adopted ASU No. 2016-13, *Measurement of Credit Losses on Financial Instruments*, on January 1, 2020. As a result of the adoption, the Company amended its accounting policies for the allowance for credit losses. In accordance with ASU No. 2016-13, the Company evaluates its allowance based on expected losses rather than incurred losses, which is known as the current expected credit loss ("CECL") model. The allowance is determined using the loss rate approach and is measured on a collective (pool) basis when similar risk characteristics exist. Where financial instruments do not share risk characteristics, they are evaluated on an individual basis. The allowance is based on relevant available information, from internal and external sources, relating to past events, current conditions, and reasonable and supportable forecasts.

Equity Method Investment

We apply the equity method of accounting to our investment in Promon AS (Promon), because we exercise significant influence, but not controlling interest, in the investee. Promon is a technology company headquartered in Norway that specializes in mobile app security, whose solutions focus largely on Runtime Application Self-Protection (RASP). We exercise significant influence over Promon as a result of our 17% ownership interest in Promon, our representation on Promon's Board of Directors, and the significance to Promon of our business activities with them. We integrate Promon's RASP technology into our software solution, which are licensed to our customers. Under the equity method of accounting, the Company's proportionate share of the net earnings (losses) of Promon is reported in other income (expense), net in our condensed consolidated Statements of Operations. The impact of the proportionate share of net earnings (losses) were immaterial for the three and six months ended June 30, 2020 and 2019 as were the relative size of Promon's assets and operations in relation to the Company's. The carrying value of our equity method investment is reported in other noncurrent assets in the condensed consolidated Balance Sheets and is reported originally at cost and adjusted each period for the Company's share of the investee's earnings (losses) and dividends paid, if any. The Company also assesses the investment for impairment whenever events or changes in circumstances indicate that the carrying value of the investment may not be recoverable. The Company did not record any impairment charges during the six month periods ended June 30, 2020 and 2019. The Company recorded $0.1 million and $0.6 million in costs of sales during the three months ended June 30, 2020 and June 30, 2019, respectively for license fees owed to Promon for use of their software and technology, and recorded $1.4 million and $1.2 million for the six months ended June 30, 2020 and 2019, respectively. The Company owed Promon $2.3 million as of June 30, 2020, which is included in accounts payable and accrued liabilities.

Recently Issued Accounting Pronouncements

In June 2016, the FASB issued ASU 2016-13, *Measurement of Credit Losses on Financial Instruments (Topic 326)*, which amends the Board's guidance on the impairment of financial instruments. The ASU adds an impairment model that is based on expected losses rather than incurred losses, which is known as the current expected credit loss ("CECL") model. The CECL model applies to most debt instruments (other than those measured at fair value), trade and other receivables, financial guarantee contracts, and loan commitments. This ASU is effective for fiscal years beginning after December 15, 2019, and interim periods within those fiscal years. The Company adopted ASC 326 as of January 1, 2020, using the cumulative-effect transition method with the required prospective approach. The cumulative-effect transition method enables an entity to record an allowance for expected credit losses at the date of adoption without restating comparative periods. The cumulative-effect adjustment for adoption of ASC 326 resulted in a decrease of $0.3 million in Accounts receivable, net of allowances and Accumulated Income as of January 1, 2020.

In January 2017, the FASB issued ASU 2017-04, *Intangibles-Goodwill and Other (Topic 350) – Simplifying the Test for Goodwill Impairment*. This standard eliminates the requirement to calculate the implied fair value of goodwill to measure a goodwill impairment charge (i.e. Step 2 of the current guidance), instead measuring the impairment charge as the excess of the reporting unit's carrying amount over its fair value (i.e. Step 1 of the current guidance). The guidance was effective for us beginning in the first quarter of 2020, and should be applied prospectively. Early adoption is permitted for impairment testing dates after January 1, 2017. We adopted this standard on January 1, 2020 on a prospective basis. The adoption of this standard did not have a material impact on our consolidated financial statements.

In August 2018, the FASB issued ASU No. 2018-13, *Disclosure Framework - Changes to the Disclosure Requirements for Fair Value Measurement* ("ASU 2018-13"), which amends ASC 820, *Fair Value Measurement*. ASU 2018-13 modifies the disclosure requirements for fair value measurements by removing, modifying, or adding certain disclosures. The ASU is effective for annual periods, including interim periods within those annual periods, beginning after December 15, 2019, with early adoption permitted for removed or modified disclosures, and delayed adoption of the additional disclosures until their effective date. We adopted this standard on January 1, 2020 on a retrospective basis. The adoption of this standard did not have a material impact on our consolidated financial statements.

In August 2018, the FASB issued ASU 2018-15, *Customer's Accounting for Fees Paid in a Cloud Computing Arrangement*, which helps entities evaluate the accounting for fees paid by a customer in a cloud computing arrangement (CCA) by providing guidance for determining when an arrangement includes a software license and when an arrangement is solely a hosted CCA service. Under ASU 2018-15, customers will apply the same criteria for capitalizing implementation costs as they would for an arrangement that has a software license. The new guidance also prescribes the balance sheet, income statement, and cash flow classification of the capitalized implementation costs and related amortization expense, and requires additional quantitative and qualitative disclosures. We adopted this standard on January 1, 2020 on a prospective basis. The adoption of this standard did not have a material impact on our consolidated financial statements.

In August 2018, the FASB issued ASU 2018-14, *Compensation—Retirement Benefits—Defined Benefit Plans—General (Topic 715-20): Disclosure Framework—Changes to the Disclosure Requirements for Defined Benefit Plans* (ASU 2018-14), which modifies the disclosure requirements for defined benefit pension plans and other postretirement plans. ASU 2018-14 is effective for fiscal years ending after December 15, 2020, and earlier adoption is permitted. We are currently evaluating the effect that the ASU will have on our consolidated financial statements and related disclosures.

In December 2019, the FASB issued ASU 2019-12, *Simplification for Accounting for Income Taxes*, which removes certain exceptions for recognizing deferred taxes for investments, performing intraperiod allocation and calculating income taxes in interim periods. The ASU also adds guidance to reduce complexity in certain areas, including recognizing deferred taxes for tax goodwill and allocating taxes to members of a consolidated group. ASU 2019-12 is effective beginning January 1, 2021. The Company is evaluating the impact of adoption of the new standard on its consolidated financial statements.

In January 2020, the FASB issued ASU 2020-01, *Investments—Equity Securities (Topic 321), Investments—Equity Method and Joint Ventures (Topic 323), and Derivatives and Hedging (Topic 815): Clarifying the Interactions between Topics 321, 323 and 815*. The new standard addresses accounting for the transition into and out of the equity method and measurement of certain purchased options and forward contracts to acquire investments. The standard is effective for the Company for annual and interim periods beginning after July 1, 2022, with early adoption permitted. Adoption of the standard requires changes to be made prospectively. The Company is evaluating the impact of adoption of the new standard on its consolidated financial statements.

In March 2020, the FASB issued ASU 2020-03, *Codification Improvements to Financial Statements.* The amendments in this update represent changes to clarify or improve codification and correct unintended application. This standard was effective immediately upon issuance and its adoption did not have a material impact on the Company's consolidated financial statements.

In March 2020, the FASB issued ASU 2020-04, *Facilitation of the Effects of Reference Rate Reform on Financial Reporting*. This update provides optional expedients and exceptions for applying generally accepted accounting principles to certain contract modifications and hedging relationships that reference London Inter-bank Offered Rate (LIBOR) or another reference rate expected to be discontinued. The guidance is effective upon issuance and can be applied through December 31, 2022. The Company is currently evaluating the potential impact of the new standard on its consolidated financial statements.

From time to time, new accounting pronouncements are issued by the FASB or other standard setting bodies that are adopted by us as of the specified effective date. Unless otherwise discussed, our management believes that the issued standards that are not yet effective will not have a material impact on our consolidated financial statements upon adoption.

Note 3 – Revenue

We recognize revenue in accordance with ASC 606 *"Revenue from Contracts with Customers"* ("Topic 606"), as described below.

Disaggregation of Revenues

The following tables present our revenues disaggregated by major products and services, geographical region and timing of revenue recognition.

Revenue by major products (in thousands)

	Three months ended June 30,		Six months ended June 30,	
	2020	2019	2020	2019
Hardware products	$ 24,188	$ 29,039	$ 43,926	$ 53,329
Software licenses	11,196	11,078	29,718	18,131
Subscription	6,133	5,347	11,840	10,607
Professional services	1,326	848	2,747	1,657
Maintenance, support and other	12,111	9,855	23,093	19,538
Total Revenue	$ 54,954	$ 56,167	$ 111,324	$ 103,262

Revenue by location of customer for the three months ended June 30, 2020 and 2019 (in thousands)

	EMEA	Americas	APAC	Total
Total Revenue:				
2020	$ 28,336	$ 13,932	$ 12,686	$ 54,954
2019	$ 33,774	$ 14,426	$ 7,967	$ 56,167
Percent of Total:				
2020	52 %	25 %	23 %	100 %
2019	60 %	26 %	14 %	100 %

Revenue by location of customer for the six months ended June 30, 2020 and 2019 (in thousands)

	EMEA	Americas	APAC	Total
Total Revenue:				
2020	$ 61,940	$ 26,265	$ 23,119	$ 111,324
2019	$ 58,860	$ 27,157	$ 17,245	$ 103,262
Percent of Total:				
2020	56 %	24 %	20 %	100 %
2019	57 %	26 %	17 %	100 %

Timing of revenue recognition (in thousands)

	Three months ended June 30,		Six months ended June 30,	
	2020	2019	2020	2019
Products and Licenses transferred at a point in time	$ 35,384	$ 40,117	$ 73,644	$ 71,460
Services transferred over time	19,570	16,050	37,680	31,802
Total Revenue	$ 54,954	$ 56,167	$ 111,324	$ 103,262

Contract balances

The following table provides information about receivables, contract assets and contract liabilities from contracts with customers.

	June 30, 2020	December 31, 2019
Receivables, inclusive of trade and unbilled	$ 54,347	$ 62,405
Contract Assets (current and non-current)	$ 10,622	$ 8,595
Contract Liabilities (Deferred Revenue current and non-current)	$ 48,451	$ 45,597

Contract assets relate primarily to multi-year term license arrangements and the remaining contractual billings. These contract assets are transferred to receivables when the right to billing occurs, which is normally over 3-5 years. The contract liabilities primarily relate to the advance consideration received from customers for subscription and maintenance services. Revenue is recognized for these services over time.

As a practical expedient, we do not adjust the promised amount of consideration for the effects of a significant financing component when we expect, at contract inception, that the period between our transfer of a promised product or service to a customer and when the customer pays for that product or service will be one year or less. We do not typically include extended payment terms in our contracts with customers.

Revenue recognized during the six months ended June 30, 2020 included $21.4 million that was included on the December 31, 2019 balance sheet in contract liabilities. Deferred revenue increased in the same period due to timing of annual renewals.

Transaction price allocated to the remaining performance obligations

The following table includes estimated revenue expected to be recognized in the future related to performance obligations that are unsatisfied (or partially unsatisfied) at the end of the reporting period.

in thousands	2020	2021	2022	Beyond 2022	Total
Future revenue related to current unsatisfied performance obligations	$ 6,577	$ 10,869	$ 8,266	$ 12,196	$ 37,908

The Company applies practical expedients and does not disclose information about remaining performance obligations (a) that have original expected durations of one year or less, or (b) where revenue is recognized as invoiced.

Costs of obtaining a contract

The Company incurs incremental costs related to commissions, which can be directly tied to obtaining a contract. The Company capitalizes commissions associated with certain new contracts and amortizes the costs over a period of benefit based on the transfer of goods or services that we have determined to be up to seven years. The Amortization is reflected in Sales and Marketing in the Statements of Operations. We determined the period of benefit by taking into consideration our customer contracts, our technology and other factors, including customer attrition. Commissions are earned upon invoicing to the customer. For contracts with multiple year payment terms, as the commissions that are payable after year 1 are payable based on continued employment, they are expensed when incurred. Commissions and amortization expense are included in Sales and Marketing expenses on the condensed consolidated statements of operations.

Applying the practical expedient, the Company recognizes the incremental costs of obtaining contracts as an expense when incurred if the amortization period for the assets that the Company otherwise would have recognized is one year or less. These costs are included in Sales and Marketing expense in the condensed consolidated statements of operations.

The following tables provide information related to the capitalized costs and amortization recognized in the current and prior periods:

in thousands	June 30, 2020	December 31, 2019
Capitalized costs to obtain contracts, current	$ 960	$ 676
Capitalized costs to obtain contracts, non-current	$ 4,296	$ 3,222

	Three months ended June 30,		Six months ended June 30,	
in thousands	2020	2019	2020	2019
Amortization of capitalized costs to obtain contracts	$ 264	$ 113	$ 433	$ 222
Impairments of capitalized costs to obtain contracts	$ -	$ -	$ -	$ -

Note 4 – Inventories, net

Inventories, net, consisting principally of hardware and component parts, are stated at the lower of cost or net realizable value. Cost is determined using the FIFO method.

Inventories, net are comprised of the following:

	June 30, 2020	December 31, 2019
	(in thousands)	
Component parts	$ 6,295	$ 7,429
Work-in-process and finished goods	10,148	12,390
Total	$ 16,443	$ 19,819

Note 5 – Goodwill

Goodwill activity for the three months ended June 30, 2020 consisted of the following:

in thousands	
Net balance at December 31, 2019	$ 94,612
Net foreign currency translation	(2,966)
Net balance at June 30, 2020	$ 91,646

No impairment of goodwill was recorded during the six months ended June 30, 2020 or June 30, 2019.

Note 6 – Intangible Assets

Intangible asset activity for the six months ended June 30, 2020 is detailed in the following table.

in thousands	Acquired Technology	Customer Relationships	Other	Total Intangible Assets
Net balance at December 31, 2019	$ 5,454	$ 26,884	$ 3,871	$ 36,209
Additions	—	—	48	48
Disposals			(5)	(5)
Net foreign currency translation	(207)	(697)	(7)	(911)
Amortization expense	(1,714)	(1,799)	(1,176)	(4,689)
Net balance at June 30, 2020	$ 3,533	$ 24,388	$ 2,731	$ 30,652
June 30, 2020 balance at cost	$ 42,171	$ 38,691	$ 13,700	$ 94,562
Accumulated amortization	(38,638)	(14,303)	(10,969)	(63,910)
Net balance at June 30, 2020	$ 3,533	$ 24,388	$ 2,731	$ 30,652

Certain intangible assets are denominated in functional currencies besides the U.S. dollar and are subject to currency fluctuations. No impairment of intangible assets was recorded during the six months ended June 30, 2020 or June 30, 2019.

Note 7 – Property and Equipment

The major classes of property and equipment are as follows:

in thousands	June 30, 2020	December 31, 2019
Office equipment and software	$ 14,342	$ 14,595
Leasehold improvements	10,423	9,417
Furniture and fixtures	3,880	3,717
Total	28,645	27,729
Accumulated depreciation	(16,486)	(16,275)
Property and equipment, net	$ 12,159	$ 11,454

Depreciation expense was $0.7 and $1.4 million for the three and six months ended June 30, 2020, respectively, compared to $0.5 million and $1.0 million for the three and six months ended June 30, 2019, respectively.

Note 8 – Fair Value Measurements

The fair values of cash equivalents, receivables, net, and accounts payable approximate their carrying amounts due to their short duration. The fair value hierarchy is based on inputs to valuation techniques that are used to measure fair value that are either observable or unobservable. Observable inputs reflect assumptions market participants would use in pricing an asset or liability based on market data obtained from independent sources while unobservable inputs reflect a reporting entity’s pricing base upon its own market assumptions.

The Company classifies its investments in debt securities as available-for-sale. As described in Note 2- Summary of Significant Accounting Policies, the January 1, 2020 adoption of ASU 2016-13, *Measurement of Credit Losses on Financial Instruments*, amended our accounting for available-for-sale debt securities. We review available-for-sale det securities for impairments related to losses and other factors each quarter. The unrealized gains and losses on the available-for-sale debt securities were not material as of June 30, 2020 and December 31, 2019.

The estimated fair value of our financial instruments has been determined by using available market information and appropriate valuation methodologies, as defined in ASC 820, *Fair Value Measurements*. The fair value hierarchy consists of the following three levels:

- Level 1 – Inputs are quoted prices in active markets for identical assets or liabilities.
- Level 2 – Inputs are quoted prices for similar assets or liabilities in an active market, quoted prices for identical or similar assets or liabilities in markets that are not active, inputs other than quoted prices that are observable and market-corroborated inputs which are derived primarily from or corroborated by observable market data.
- Level 3 – Inputs are derived from valuation techniques in which one or more significant inputs or value drivers are unobservable.

The following tables summarize assets that are measured at fair value on a recurring basis as of June 30, 2020 and December 31, 2019:

		Fair Value Measurement at Reporting Date Using		
in thousands	June 30, 2020	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
U.S. Treasury Notes	$ 6,994	-	$ 6,994	-
Corporate Notes / Bonds	$ 10,689	-	$ 10,689	-
Commercial Paper	$ 1,499	-	$ 1,499	-
U.S. Treasury Bills	$ 5,365	-	$ 5,365	-
U.S. Government Agencies	$ 2,249	-	$ 2,249	-

		Fair Value Measurement at Reporting Date Using		
in thousands	December 31, 2019	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Assets:				
U.S. Treasury Notes	$ 9,225	-	$ 9,225	-
Corporate Notes / Bonds	$ 8,169	-	$ 8,169	-
Commercial Paper	$ 3,482	-	$ 3,482	-
U.S. Treasury Bills	$ 2,385	-	$ 2,385	-
U.S. Government Agencies	$ 2,249	-	$ 2,249	-

Note 9 – Allowance for credit losses

As described in Note 2 - Summary of Significant Accounting Policies, the January 1, 2020 adoption of ASU 2016-13, *Measurement of Credit Losses on Financial Instruments*, amended our accounting policies for the allowance for credit losses.

The changes in the allowance for credit losses during the six months ended June 30, 2020 were as follows:

in thousands	
Balance at December 31, 2019	$ 2,524
Impact of ASU 2016-13 adoption	288
Balance at January 1, 2020	2,812
Provision	912
Net foreign currency translation	(1)
Balance at June 30, 2020	$ 3,723

A higher allowance for credit losses was recorded during the six months ended June 30, 2020 due to the adverse impact the COVID-19 pandemic has had on factors that affect our estimate of future credit losses.

Note 10 – Leases

Operating lease cost details for the three and six months ended June 30, 2020 and 2019 are as follows:

	Three months ended June 30,		Six months ended June 30,	
	2020	2019	2020	2019
	(in thousands)		(in thousands)	
Building rent	$ 765	$ 857	$ 1,456	$ 1,721
Automobile rentals	359	233	711	510
Total net operating lease costs	$ 1,124	$ 1,090	$ 2,167	$ 2,231

At June 30, 2020, the weighted average remaining lease term for our operating leases is 7.0 years. The weighted average discount rate for our operating leases is 5%.

During the six months ended June 30, 2020, there were $2.0 million of operating cash payments for lease liabilities, and $1.9 million of right-of use assets obtained in exchange for new lease liabilities.

Maturities of our operating leases are as follows:

	As of June 30, 2020
	(in $ thousands)
2020 (remaining 6 months)	$ 1,554
2021	3,052
2022	2,667
2023	2,153
2024	1,401
Later years	6,555
Less imputed interest	(3,110)
Total lease liabilities	$ 14,272

Note 11 – Income Taxes

We estimate that our tax expense for 2020 will be approximately $3.3 million. Our global effective tax rate is higher than the U.S. statutory tax rate of 21% primarily due to losses in jurisdictions for which a valuation allowance is required. Our ultimate tax expense will depend on the mix of earnings in various jurisdictions. Income taxes of $2.2 million and $7.9 million were paid during the three and six months ended June 30, 2020, respectively.

At December 31, 2019, we had deferred tax assets of $24.9 million resulting from foreign and state NOL carryforwards of $16.6 million and other foreign deductible carryforwards of $8.3 million. At December 31, 2019, we had a valuation allowance of $17.3 million against deferred tax assets related to certain carryforwards.

Certain non-U.S. operations have incurred net operating losses (NOLs), which are currently subject to a valuation allowance. These NOLs may become deductible to the extent these operations become profitable. For each of our operations, we evaluate whether it is more likely than not that the tax benefits related to NOLs will be realized. As part of this evaluation, we consider evidence such as tax planning strategies, historical operating results, forecasted taxable income, and recent financial performance. In the year that certain non-U.S. operations record a loss, we do not recognize a corresponding tax benefit, thus increasing our effective tax rate. Upon determining that it is more likely than not that the NOLs will be realized, we will reduce the tax valuation allowances related to these NOLs, which will result in a reduction of our income tax expense and our effective tax rate in the period.

On March 27, 2020 President Trump signed into law the Coronavirus Aid, Relief, and Economic Security (CARES) Act. Among other provision, the law provides relief to U.S. federal corporate taxpayers through temporary adjustments to net operating loss rules, changes to limitations on interest expense deductibility, the acceleration of available refunds for minimum tax credit carryforwards, and depreciation method changes. We do not expect the provisions of the legislation to have a significant impact on our effective tax rate nor the income tax payable and deferred income tax positions of the Company.

Note 12 – Long-Term Compensation Plan and Stock Based Compensation (share counts in thousands)

Under the OneSpan Inc. 2019 Omnibus Incentive Plan, we awarded 296 restricted stock units during the six months ended June 30, 2020, subject to time-based vesting. During the same period we awarded restricted stock units some of which are subject to the achievement of future performance criteria and others that are subject to the achievement of market conditions. For the restricted stock units for which performance criteria have been established, the Company currently believes it is probable that 198 unissued shares will be earned. The restricted stock units subject to market conditions allow for up to 88 shares to be earned if the market conditions are fully achieved. The fair value of the unissued 296 time-based restricted stock units was $5.2 million at the date of grant, and is being amortized over the vesting period of one to four years. The fair value of the 198 unissued shares was $4.1 million at the date of grant, and is being amortized over the vesting period of three years. The fair value of the 88 shares subject to market conditions was $1.6 million at the date of grant, and is being amortized over the vesting period of three years.

The following table details long-term compensation plan and stock-based compensation expense for the three and six months ended June 30, 2020 and 2019:

	Three months ended June 30,		Six months ended June 30,	
	2020	2019	2020	2019
in thousands	(in thousands)		(in thousands)	
Restricted stock	$ 860	$ 677	$ 2,210	$ 1,229
Long-term compensation plan	305	755	670	1,258
Total compensation	$ 1,165	$ 1,432	$ 2,880	$ 2,487

Note 13 – Earnings per Share (share counts in thousands)

Basic earnings per share is based on the weighted average number of shares outstanding and excludes the dilutive effect of common stock equivalents. Diluted earnings per share is based on the weighted average number of shares outstanding and includes the dilutive effect of common stock equivalents to the extent they are not anti-dilutive. Because the Company is in a net loss position for the three and six months ended June 30, 2020, and the three and six months ended June 30, 2019, diluted net loss per share for this period excludes the effects of all common stock equivalents, which are anti-dilutive.

The details of the earnings per share calculations for the three and six months ended June 30, 2020 and 2019 are as follows:

in thousands, except per share data	June 30, 2020	June 30, 2019	June 30, 2020	June 30, 2019
Net loss	$ (2,025)	$ (2,511)	$ (2,021)	$ (8,567)
Weighted average common shares outstanding:				
Basic	40,028	40,038	40,059	40,037
Incremental shares with dilutive effect:				
Restricted stock awards	—	—	—	—
Diluted	40,028	40,038	40,059	40,037
Net income (loss) per share:				
Basic	$ (0.05)	$ (0.06)	$ (0.05)	$ (0.21)
Diluted	$ (0.05)	$ (0.06)	$ (0.05)	$ (0.21)

Note 14 – Legal Proceedings and Contingencies

We are a party to or have intellectual property subject to litigation and other proceedings that arise in the ordinary course of our business. These types of matters could result in fines, penalties, compensatory or treble damages or non-monetary sanctions or relief. We believe the probability is remote that the outcome of each of these matters, including the legal proceedings described below, will have a material adverse effect on the corporation as a whole, notwithstanding that the unfavorable resolution of any matter may have a material effect on our financial results in any particular interim reporting period. Among the factors that we consider in this assessment are the nature of existing legal proceedings and claims, the asserted or possible damages or loss contingency (if estimable), the progress of the case, existing law and precedent, the opinions or views of legal counsel and other advisers, our experience in similar cases and the experience of other companies, the facts available to us at the time of assessment and how we intend to respond to the proceeding or claim. Our assessment of these factors may change over time as individual proceedings or claims progress.

Although we cannot predict the outcome of legal or other proceedings with certainty, where there is at least a reasonable possibility that a loss may have been incurred, U.S. GAAP requires us to disclose an estimate of the reasonably possible loss or range of loss or make a statement that such an estimate cannot be made. We follow a process in which we seek to estimate the reasonably possible loss or range of loss, and only if we are unable to make such an estimate do we conclude and disclose that an estimate cannot be made. Accordingly, unless otherwise indicated below in our discussion of legal proceedings, a reasonably possible loss or range of loss associated with any individual legal proceeding cannot be estimated.

We include various types of indemnification clauses in our agreements. These indemnifications may include, but are not limited to, infringement claims related to our intellectual property, direct damages and consequential damages. The type and amount of such indemnifications vary substantially based on our assessment of risk and reward associated with each agreement. We believe the estimated fair value of these indemnification clauses is minimal, and we cannot determine the maximum amount of potential future payments, if any, related to such indemnification provisions. We have no liabilities recorded for these clauses as of June 30, 2020.

We are involved in an ongoing dispute with a German company, Onespin solutions GmbH, regarding the co-existence of, or alleged infringement with, its trademark in certain jurisdictions for "ONESPIN" and our trademark in certain jurisdictions for "ONESPAN". Onespin sells integrated circuit integrity verification solutions for use in the system on chip software development process flow. We believe that its products and services are sufficiently different from ours. Therefore, among other reasons, we are vigorously defending our intellectual property rights where necessary. In addition, we are the plaintiff in litigation against Onespin in Europe currently. While the outcome of any particular aspect of this current dispute cannot be predicted with certainty, including timing, we plan to continue to assert our rights and prosecute litigation wherever advisable.

From time to time, we have been involved in litigation and claims incidental to the conduct of our business, such as compensation claims from current or former employees in Europe. We expect that to continue. Excluding matters specifically disclosed above, we are not a party to any lawsuit or proceeding that, in management's opinion, is likely to have a material adverse effect on its business, financial condition or results of operations.

Item 2 - Management's Discussion and Analysis of Financial Condition and Results of Operations (in thousands, except headcount, ratios, time periods and percentages)

Unless otherwise noted, references in this Quarterly Report on Form 10-Q to "OneSpan," "Company," "we," "our," and "us" refer to OneSpan Inc. and its subsidiaries.

Cautionary Note Regarding Forward-Looking Statements

This Quarterly Report on Form 10-Q, contains forward-looking statements within the meaning of applicable U.S. Securities laws, including statements regarding the potential benefits, performance, and functionality of our products and solutions, including future offerings; our expectations, beliefs, plans, operations and strategies relating to our business and the future of our business; our acquisitions to date and our strategy related to future acquisitions; and our expectations regarding our financial performance in the future. Forward-looking statements may be identified by words such as "seek", "believe", "plan", "estimate", "anticipate", expect", "intend", and statements that an event or result "may", "will", "should", "could", or "might" occur or be achieved and any other similar expressions. These forward-looking statements involve risks and uncertainties, as well as assumptions which, if they do not fully materialize or prove incorrect, could cause our results to differ materially from those expressed or implied by such forward-looking statements. Factors that could materially affect our business and financial results include, but are not limited to: market acceptance of our products and solutions and competitors' offerings; the potential effects of technological changes; our ability to effectively identify, purchase and integrate acquisitions; the execution of our transformative strategy on a global scale; the increasing frequency and sophistication of hacking attacks; claims that we have infringed the intellectual property rights of others; changes in customer requirements; price competitive bidding; changing laws, government regulations or policies; pressures on price levels; investments in new products or businesses that may not achieve expected returns; impairment of goodwill or amortizable intangible assets causing a significant charge to earnings; exposure to increased economic and operational uncertainties from operating a global business as well as those factors set forth in our Form 10-K (and other forms) filed with the Securities and Exchange Commission. In particular, we direct you to the risk factors contained under the captions "*Risk Factors*" and "*Management's Discussion and Analysis of Financial Condition and Results of Operations*" in our Form 10-K. In addition, we direct you to our financial statements and the accompanying Notes to Financial Statements contained in this Report. Our SEC filings and other important information can be found on the Investor Relations section of our website at *ir.onespan.com*. We do not have any intent, and disclaim any obligation, to update the forward-looking information to reflect events that occur, circumstances that exist, or changes in our expectations after the date of this Report.

Revision of Previously Issued Financial Statements

This information should be read in conjunction with the condensed consolidated financial statements and the notes thereto included in "Part I, Item 1" of this Quarterly Report. We have revised our prior period financial statements to reflect the correction of immaterial errors as described in this Quarterly Report in Notes to Condensed Consolidated Financial Statements, Note 1 – Description of the Company and Basis of Presentation, "Revision of Previously Issued Financial Statements".

COVID-19 Pandemic Response and Impact

In March 2020, the World Health Organization recognized a novel strain of coronavirus (COVID-19) as a pandemic. In response to the pandemic, the United States and various foreign, state and local governments have, among other actions, imposed travel and business restrictions and required or advised communities in which we do business to adopt stay-at-home orders and social distancing guidelines, causing some businesses to adjust, reduce or suspend operating activities. The pandemic and the various governments' response have caused significant and widespread uncertainty, volatility and disruptions in the U.S. and global economies, including in the regions in which we operate.

Outlook and Financial Results

Through June 30, 2020, we have not experienced a material adverse impact to our business, operations or financial results as a result of the pandemic. Partly due to the pandemic and associated stay-at-home orders, many businesses focused on mobile and cloud technologies that could help them conduct business remotely. Our fraud prevention and process digitization technologies such as mobile and online banking and electronic signatures, and our ability to deliver on a global basis, currently have us well positioned in this environment. We believe this contributed in part to higher software and services revenue during the six months ended June 30, 2020 compared to the six months ended June 30, 2019.

However, in the current and future periods, we may experience weaker customer demand, requests for discounts or extended payment terms, customer bankruptcies, supply chain disruption, employee staffing constraints and difficulties, government restrictions or other factors that could negatively impact the Company and its business, operations and financial results. During the summer of 2020, we began to experience some of the aforementioned scenarios due to, we believe, global economic uncertainty connected with the continued seriousness of the COVID-19 pandemic. In addition, we have begun to experience less demand than originally projected in our hardware business. As a result, our hardware revenues for 2020 could be substantially below such revenues as compared to 2019. We believe this is primarily due to the increased hardware demand we saw last year in Europe due to our customers needing to meet certain European banking regulations which took effect last year. In addition, other factors could be contributing to the current and expected demand environment such as less demand for hardware in a pandemic environment, a more pronounced shift to digital alternatives, and fewer large projects that often had a significant positive effect on hardware revenue results in the past.

As we cannot predict the duration or scope of the pandemic or its impact on economic and financial markets, any negative impact to our results cannot be reasonably estimated, but it could be material. We continue to monitor closely the Company’s financial health and liquidity and the impact of the pandemic on the Company. We are able to serve the needs of our customers while taking steps to protect the health and safety of our employees, customers, partners, and communities. See Part II – Item 1A – Risk Factors of this Form 10-Q for additional information regarding the potential impact of COVID-19 on the Company.

Overview

We design, develop and market digital solutions for identity, security, and business productivity that protect and facilitate electronic transactions via mobile and connected devices. We are a global leader in providing anti-fraud and digital transaction management solutions to financial institutions and other businesses. Our solutions secure access to online accounts, data, assets, and applications for global enterprises; provide tools for application developers to easily integrate security functions into their web-based and mobile applications; and facilitate end-to-end financial agreement automation including digital identity verification, customer due diligence, electronic signature, secure storage and document management. Our core technologies, multi-factor authentication, identity verification and transaction signing, strengthen the process of preventing hacking attacks against online and mobile transactions to allow companies to transact business safely with remote customers.

We offer cloud based and on premises solutions using both open standards and proprietary technologies. Some of our proprietary technologies are patented. Our products and services are used for authentication, fraud mitigation, e-signing transactions and documents, and identity management in Business-to-Business (“B2B”), Business-to-Employee (“B2E”) and Business-to-Consumer (“B2C”) environments. Our target market is business processes using electronic interface, particularly the Internet, where there is risk of unauthorized access. Our products can increase security associated with accessing business processes, reduce losses from unauthorized access and reduce the cost of the process by automating activities previously performed manually.

Our Business Model

We offer our products through a product sales and licensing model or through our services platform, which includes our cloud-based service offering.

Our solutions are sold worldwide through our direct sales force, as well as through distributors, resellers, systems integrators, and original equipment manufacturers. Our sales force is able to offer customers a choice of an on-site implementation using our traditional on-premises model or a cloud implementation for some solutions using our services platform.

Industry Growth

We believe the markets for authentication, fraud mitigation, agreement automation, and electronic signature solutions will continue to grow driven by new government regulations, growing awareness of the impact of cyber-crime, increasing focus on the digital experience for mobile and online users, and the growth in electronic commerce. The issues driving growth are global; however, the rate of adoption in each country is a function of local culture, competitive position, economic conditions, and the use of technology may vary significantly.

Economic Conditions

Our revenue may vary significantly with changes in the economic conditions in the countries in which we currently sell products. With our current concentration of revenue in Europe and specifically in the banking and finance vertical market, significant changes in the economic outlook for the European banking market may have a significant effect on our revenue.

The COVID-19 pandemic and the various governments' response have caused significant and widespread uncertainty, volatility and disruptions in the U.S. and global economies, including in the regions in which we operate. See Part II, Item 1A – Risk Factors of this Form 10-Q for additional information regarding the potential impact of COVID-19 on the Company.

Cybersecurity Risks

Our use of technology is increasing and is critical in three primary areas of our business:

1. Software and information systems that we use to help us run our business more efficiently and cost effectively;
2. The products we have traditionally sold and continue to sell to our customers for integration into their software applications contain technology that incorporates the use of secret numbers and encryption technology; and
3. New products and services that we introduced to the market are focused on processing information through our servers or in the cloud.

We believe that the risks and consequences of potential incidents in each of the above areas are different.

In the case of the information systems we use to help us run our business, we believe that an incident could disrupt our ability to take orders or deliver product to our customers, but such a delay in these activities would not have a material impact on our overall results. To minimize this risk, we actively use various forms of security and monitor the use of our systems regularly to detect potential incidents as soon as possible.

In the case of products that we have traditionally sold, we believe that the risk of a potential cyber incident is minimal. We offer our customers the ability to either create the secret numbers themselves or have us create the numbers on their behalf. When asked to create the numbers, we do so in a secure environment with limited physical access and store the numbers on a system that is not connected to any other network, including other OneSpan networks, and similarly, is not connected to the Internet.

In the case of our cloud-based solutions, which involve the processing of customer information, we believe a cyber incident could have a material impact on our business. While our revenue from cloud-based solutions comprises a minority of our revenue today, we believe that these solutions will provide substantial future growth. A cyber incident involving these solutions in the future could substantially impair our ability to grow the business and we could suffer significant monetary and other losses and significant reputational harm.

To minimize the risk, we review our product security and procedures on a regular basis. Our reviews include the processes and software code we are currently using as well as the hosting platforms and procedures that we employ. We mitigate the risk of cyber incidents through a series of reviews, tests, tools and training. Certain insurance coverages may apply to certain cyber incidents. Overall, we expect the cost of securing our networks will increase in future periods, whether through increased staff, systems or insurance coverage.

While we did not experience any cyber incidents in the first six months of 2020 that had a significant impact on our business, it is possible that we could experience an incident in 2020 or future years, which could result in unanticipated costs.

Currency Fluctuation

During the three and six months ended June 30, 2020, approximately 89% and 88%, respectively, of our revenue was generated outside of the United States. While the majority of our revenues are generated outside of the United States, a significant amount of our revenue earned during the three and six months ended June 30, 2020 was denominated in U.S. Dollars. During the three and six months ended June 30, 2020, we estimate that approximately 49% and 46%, respectively, of our revenue was denominated in U.S. Dollars.

In addition, during the three and six months ended June 30, 2020, approximately 74% and 72% of our operating expenses were incurred outside of the United States. As a result, changes in currency exchange rates, especially the Euro exchange rate and the Canadian Dollar exchange rate, can have a significant impact on revenue and expenses.

In general, to minimize the net impact of currency fluctuations on operating income, we attempt to denominate an amount of billings in a currency such that it would provide a hedge against the operating expenses incurred in that currency. We expect that changes in currency rates may also impact our future results if we are unable to match amounts of revenue with our operating expenses in the same currency. If the amount of our revenue in Europe denominated in Euros continues as it is now or declines, we may not be able to balance fully the exposures of currency exchange rates on revenue and operating expenses.

The financial position and the results of operations of our foreign subsidiaries, with the exception of our subsidiaries in Switzerland, Singapore and Canada, are measured using the local currency as the functional currency. Accordingly, assets and liabilities are translated into U.S. Dollars using current exchange rates as of the balance sheet date. Revenues and expenses are translated at average exchange rates prevailing during the period. Translation adjustments arising from differences in exchange rates generated other comprehensive gain of $0.4 million for the three months ended June 30, 2020 and other comprehensive loss of $3.8 million for the six months ended June 30, 2020. For the three and six months ended June 30, 2019, translation adjustments generated other comprehensive loss of $1.3 million and $0.4 million, respectively. These amounts are included as a separate component of stockholders’ equity. The functional currency for our subsidiaries in Switzerland, Singapore and Canada is the U.S. Dollar.

Gains and losses resulting from foreign currency transactions are included in the consolidated statements of operations in other income (expense), net. Foreign exchange transaction gains aggregated less than $0.1 million for the three months ended June 30, 2020, compared to $0.2 million of gains aggregated for the three months ended June 30, 2019. During the six months ended June 30, 2020, foreign exchange transaction losses aggregated $0.5 million compared to losses aggregated of $0.7 million during the six months ended June 30, 2019.

Components of Operating Results

Revenue

We generate revenue from the sale of our hardware products, software licenses, subscriptions, maintenance and support, and professional services. We believe comparison of revenues between periods is heavily influenced by the timing of orders and shipments reflecting the transactional nature of significant parts of our business.

- *Product* and *license revenue*. Product and license revenue includes hardware products and software licenses, which can be provided on a perpetual or term basis.
- *Service and other revenue*. Service and other revenue includes subscription solutions (which is our definition of software-as-a-service solutions), maintenance and support, and professional services.

Cost of Goods Sold

Our total cost of goods sold consists of cost of product and license revenue and cost of service and other revenue. We expect our cost of goods sold to increase in absolute dollars as our business grows, although it may fluctuate as a percentage of total revenue from period to period.

- *Cost of product and license revenue*. Cost of product and license revenue primarily consists of direct product and license costs.
- *Cost of service and other revenue*. Cost of service and other revenue primarily consists of costs related to subscription solutions, including personnel and equipment costs, and personnel costs of employees providing professional services and maintenance and support.

Gross Profit

Gross profit as a percentage of total revenue, or gross margin, has been and will continue to be affected by a variety of factors, including our average selling price, manufacturing costs, the mix of products sold, and the mix of revenue among products, subscriptions and services. We expect our gross margins to fluctuate over time depending on these factors.

Operating Expenses

Our operating expenses are generally based on anticipated revenue levels and fixed over short periods of time. As a result, small variations in revenue may cause significant variations in the period-to-period comparisons of operating income or operating income as a percentage of revenue.

Generally, the most significant factor driving our operating expenses is headcount. Direct compensation and benefit plan expenses generally represent between 55% and 65% of our operating expenses, respectively. In addition, a number of other expense categories are directly related to headcount. We attempt to manage our headcount within the context of the economic environments in which we operate and the investments we believe we need to make for our infrastructure to support future growth and for our products to remain competitive.

Historically, operating expenses have been impacted by changes in foreign exchange rates. We estimate the change in currency rates in the first six months of 2020 compared to the same period in 2019 resulted in a decrease in operating expenses of approximately $0.9 million.

The comparison of operating expenses can also be impacted significantly by costs related to our stock-based and long-term incentive plans. Operating expenses for the three and six months ended June 30, 2020 included $1.2 million and $2.9 million, respectively of expenses related to stock-based and long-term incentive plan costs compared to

$1.4 million and $2.5 million of stock-based and long-term incentive plan cost for the three and six months ended June 30, 2019, respectively.

- *Sales and marketing*. Sales and marketing expenses consist primarily of personnel costs, commissions and bonuses, trade shows, marketing programs and other marketing activities, travel, outside consulting costs, and long-term incentive compensation. We expect sales and marketing expenses to increase in absolute dollars as we continue to invest in sales resources in key focus areas, although our sales and marketing expenses may fluctuate as a percentage of total revenue.
- *Research and development*. Research and development expenses consist primarily of personnel costs and long-term incentive compensation. We expect research and development expenses to increase in absolute dollars as we continue to invest in our future solutions, although our research and development expenses may fluctuate as a percentage of total revenue.
- *General and administrative*. General and administrative expenses consist primarily of personnel costs, legal and other professional fees, and long term incentive compensation. We expect general and administrative expenses to increase in absolute dollars although our general and administrative expenses may fluctuate as a percentage of total revenue.
- *Amortization and impairment of intangible assets*. Acquired intangible assets are amortized over their respective amortization periods, and are periodically evaluated for impairment.

Interest Income, Net

Interest income, net consists of income earned on our cash equivalents and short term investments. Our cash equivalents and short term investments are invested in short-term instruments at current market rates.

Other Income (Expense), Net

Other income (expense), net primarily includes exchange gains (losses) on transactions that are denominated in currencies other than our subsidiaries' functional currencies, subsidies received from foreign governments in support of our research and development in those countries and other miscellaneous non-operational expenses.

Income Taxes

Our effective tax rate reflects our global structure related to the ownership of our intellectual property ("IP"). All our IP in our traditional authentication business is owned by two subsidiaries, one in the U.S. and one in Switzerland. These two subsidiaries have entered into agreements with most of the other OneSpan entities under which those other entities provide services to our U.S. and Swiss subsidiaries on either a percentage of revenue or on a cost plus basis or both. Under this structure, the earnings of our service provider subsidiaries are relatively constant. These service provider companies tend to be in jurisdictions with higher effective tax rates. Fluctuations in earnings tend to flow to the U.S. company and Swiss company. In 2020, earnings flowing to the U.S. company are expected to be taxed at a rate of 21% to 25%, while earnings flowing to the Swiss company are expected to be taxed at a rate ranging from 11% to 12%, including Swiss withholding tax, the earnings could be taxed up to an additional 5%. A Canadian and UK subsidiary currently sell and service global customers directly.

As the majority of our revenues are generated outside of the U.S., our consolidated effective tax rate is strongly influenced by the effective tax rate of our foreign operations. Changes in the effective rate related to foreign operations reflect changes in the geographic mix of earnings and the tax rates in each of the countries in which it is earned. The statutory tax rate for the primary foreign tax jurisdictions ranges from 11% to 35%.

The geographic mix of earnings of our foreign subsidiaries primarily depends on the level of pretax income of our service provider subsidiaries and the benefit realized in Switzerland through the sales of product. The level of pretax income in our service provider subsidiaries is expected to vary based on:

1. the staff, programs and services offered on a yearly basis by the various subsidiaries as determined by management, or

2. the changes in exchange rates related to the currencies in the service provider subsidiaries, or

3. the amount of revenues that the service provider subsidiaries generate.

For items 1 and 2 above, there is a direct impact in the opposite direction on earnings of the U.S. and Swiss entities. Any change from item 3 is generally expected to result in a larger change in income in the U.S. and Swiss entities in the direction of the change (increased revenues expected to result in increased margins/pretax profits and conversely decreased revenues expected to result in decreased margins/pretax profits).

In addition to the provision of services, the intercompany agreements transfer the majority of the business risk to our U.S. and Swiss subsidiaries. As a result, the contracting subsidiaries’ pretax income is reasonably assured while the pretax income of the U.S. and Swiss subsidiaries varies directly with our overall success in the market.

In November 2015, we acquired OneSpan Canada Inc. (formerly eSignLive), a foreign company with substantial IP and net operating losses and other tax carryforwards. The tax benefit of the carryforwards has been fully reserved as realization has not been deemed more likely than not.

In May 2018, we acquired Dealflo Limited (“Dealflo”), a foreign company with substantial IP and net operating losses. The tax benefit of the loss carryforwards will be reserved to the extent they exceed the deferred tax liabilities recognized upon acquisition as realization has not been deemed more likely than not.

Results of Operations

Revenue

Revenue by Product: We generate revenue from the sale of our hardware products, software licenses, subscriptions, professional services, and maintenance and support. Product and license revenue includes hardware products and software licenses. Service and other revenue includes subscription solutions (which is our definition of software-as-a-service solutions), maintenance and support, and professional services.

	Three months ended June 30,			Six months ended June 30,		
	2020	2019	% Change	2020	2019	% Change
	(in thousands)			(in thousands)		
Revenue						
Product and license	$ 35,384	$ 40,117	-12%	$ 73,644	$ 71,460	3%
Services and other	19,570	16,050	22%	37,680	31,802	18%
Total revenue	$ 54,954	$ 56,167	-2%	$ 111,324	$ 103,262	8%
% of Total Revenue						
Product and license	64%	71%		66%	69%	
Services and other	36%	29%		34%	31%	

Total revenue decreased $1.2 million or 2%, during the three months ended June 30, 2020 compared to the three months ended June 30, 2019, driven by a $4.9 million decrease in hardware revenue, offset by an increase in recurring revenue, which is the portion of our revenue subject to future renewal. Recurring revenue, comprised of subscription, term-based software licenses, and maintenance, support and other revenue, increased $6.0 million or 35% during the three months ended June 30, 2020, compared to the three months ended June 30, 2019. Total revenue increased $8.1 million or 8%, during the six months ended June 30, 2020 compared to the six months ended June 30, 2019, driven primarily by an increase in recurring revenue, offset by a $9.4 million or 18% decrease in hardware revenue. Recurring revenue increased $16.4 million or 50% during the six months ended June 30, 2020, compared to the six months ended June 30, 2019.

Product and license revenue decreased by $4.7 million or 12% during the three months ended June 30, 2020 compared to the three months ended June 30, 2019, which was driven by lower hardware sales. For the six months ended June 30, 2020, product and license revenue increased $2.2 million or 3% compared to the six months ended June 30, 2019, which was driven by higher software sales, partially offset by lower hardware sales. The software sales increase was driven by an increase in revenue generated from term-based software licenses.

Services and other revenue increased by $3.5 million, or 22% during the three months ended June 30, 2020 compared to the three months ended June 30, 2019. For the six months ended June 30, 2020, services and other revenue increased $5.9 million or 18% compared to the six months ended June 30, 2019. The increase for both the three and six month periods ended June 30, 2020 compared to the same periods in 2019 was driven by higher maintenance, subscription, and professional services revenue.

We believe comparison of revenues between periods is heavily influenced by the timing of orders and shipments reflecting the transactional nature of significant parts of our business. As a result of the volatility in our business, we believe that the overall strength of our business is best evaluated over a longer term where the impact of transactions in any given period is not as significant as in a quarter-over-quarter comparison.

Revenue by Geographic Regions: We classify our sales by customer location in three geographic regions: 1) EMEA, which includes Europe, Middle East and Africa; 2) the Americas, which includes sales in North, Central, and

South America; and 3) Asia Pacific (APAC), which also includes Australia, New Zealand, and India. The breakdown of revenue in each of our major geographic areas was as follows:

	Three months ended June 30,			Six months ended June 30,		
	2020	2019	% Change	2020	2019	% Change
	(in thousands)			(in thousands)		
Revenue						
EMEA	$ 28,336	$ 33,774	-16%	$ 61,940	$ 58,860	5%
Americas	13,932	14,426	-3%	26,265	27,157	-3%
APAC	12,686	7,967	59%	23,119	17,245	34%
Total revenue	$ 54,954	$ 56,167	-2%	$ 111,324	$ 103,262	8%
% of Total Revenue						
EMEA	52%	60%		56%	57%	
Americas	25%	26%		24%	26%	
APAC	23%	14%		20%	17%	

Revenue generated in EMEA during the three months ended June 30, 2020 was $5.4 million, or 16% lower than the three months ended June 30, 2019, driven by lower hardware sales. For the six months ended June 30, 2020, revenue generated in EMEA was $3.1 million or 5% higher than the same period in 2019, driven by higher software license revenue and higher maintenance revenue.

Revenue generated in the Americas during the three months ended June 30, 2020 was $0.5 million, or 3% lower than the three months ended June 30, 2019, driven by a decrease in software license revenue offset by an increase in hardware revenue. For the six months ended June 30, 2020, revenue generated in the Americas was $0.9 million or 3% lower than the same period in 2019, driven by lower software license revenue.

Revenue generated in the Asia Pacific region during the three months ended June 30, 2020 was $4.7 million, or 59% higher than the three months ended June 30, 2019, driven by higher revenue from software licenses, hardware and maintenance. For the six months ended June 30, 2020, revenue generated in the Asia Pacific region was $5.9 million or 34% higher than the same period in 2019, driven by higher software, maintenance, and hardware revenue.

Cost of Goods Sold and Gross Margin

	Three months ended June 30,			Six months ended June 30,		
	2020	2019	% Change	2020	2019	% Change
	(in thousands)				(in thousands)	
Cost of goods sold						
Product and license	$ 12,576	$ 13,451	-7%	$ 23,314	$ 24,767	-6%
Services and other	5,649	4,429	28%	10,981	9,152	20%
Total cost of goods sold	$ 18,225	$ 17,880	2%	$ 34,295	$ 33,919	1%
Gross profit	$ 36,729	$ 38,287	-4%	$ 77,029	$ 69,343	11%
Gross margin						
Product and license	64%	66%		68%	65%	
Services and other	71%	72%		71%	71%	
Total gross margin	67%	68%		69%	67%	

The cost of product and license revenue decreased $0.9 million or 7% during the three months ended June 30, 2020 compared to the three months ended June 30, 2019. During the six months ended June 30, 2020, the cost of product and license revenue decreased $1.5 million or 6% compared to the six months ended June 30, 2019. The decrease in cost of product and license during both periods was due to lower token costs, driven by lower hardware sales as a percentage of total revenue.

The cost of services and other revenue increased by $1.2 million, or 28% during the three months ended June 30, 2020 compared to the three months ended June 30, 2019. For the six months ended June 30, 2020, the cost of services and other revenue increased by $1.8 million, or 20% compared to the six months ended June 30, 2019. The increase in cost of services and other revenue for both periods is reflective of higher subscription revenue, which has increased cloud-based infrastructure costs.

Gross profit decreased $1.6 million, or 4% during the three months ended June 30, 2020 compared to the three months ended June 30, 2019. During the six months ended June 30, 2020 gross profit increased by $7.7 million, or 11% compared to the six months ended June 30, 2019. Gross profit margin was 67% and 69% for the three and six months ended June 30, 2020, respectively, compared to 68% and 67% for the three and six months ended June 30, 2019, respectively. The overall decrease in profit margins for the three months ended June 30, 2020 was driven by lower product and license margins, largely attributable to lower hardware profitability. The increase in profit margins for the six months ended June 30, 2020 was driven by stronger margins for both product and license as well as services and other.

The majority of our inventory purchases are denominated in U.S. Dollars. Our sales are denominated in various currencies including the Euro. The impact of changes in currency rates are estimated to have decreased revenue by approximately $0.6 million and $1.7 million for the three and six months ended June 30, 2020, respectively. Had currency rates in 2020 been equal to rates in 2019, the gross profit margin would have been approximately 1 percentage point higher for both the three and six months ended June 30, 2020.

Operating Expenses

	Three months ended June 30,			Six months ended June 30,		
	2020	2019	% Change	2020	2019	% Change
	(in thousands)			(in thousands)		
Operating costs						
Sales and marketing	$ 14,694	$ 16,040	-8%	$ 29,553	$ 30,423	-3%
Research and development	10,541	11,977	-12%	20,535	22,472	-9%
General and administrative	10,846	10,180	7%	23,114	20,050	15%
Amortization of intangible assets	2,335	2,368	-1%	4,689	4,716	-1%
Total operating costs	$ 38,416	$ 40,565	-5%	$ 77,891	$ 77,661	0%

Sales and Marketing Expenses

Sales and marketing expenses for the three months ended June 30, 2020 were $14.7 million, a decrease of $1.3 million or 8%, from the three months ended June 30, 2019. Sales and marketing expenses for the six months ended June 30, 2020 were $29.6 million, a decrease of $0.9 million or 3% from the same period in 2019. The decrease in expense for the three and six months ended June 30, 2020 compared to the same periods in 2019 was driven by lower outside marketing spend and lower travel expense.

Average full-time sales, marketing, support, and operating employee headcount for the three and six months ended June 30, 2020 was 342 and 335, respectively, compared to 317 and 319 for the three and six months ended June 30, 2019, respectively. Headcount was 8% and 5% higher for the three and six months ended June 30, 2020, respectively, compared to the same periods in 2019.

Research and Development Expenses

Research and development expenses for the three months ended June 30, 2020, were $10.5 million, a decrease of $1.4 million, or 12%, from the three months ended June 30, 2019. Research and development costs for the six months ended June 30, 2020 were $20.5 million, a decrease of $1.9 million or 9%, from the same period in 2019. The decreases in expense for both the three and six month periods ended June 30, 2020 were primarily driven by lower cloud computing costs for our test environment.

Average full-time research and development employee headcount for the three and six months ended June 30, 2020 was 320 and 316, respectively, compared to 299 and 299 for the three and six months ended June 30, 2019, respectively. Average headcount was approximately 7% and 6% higher for the three and six months ended June 30, 2020, when compared to the same periods in 2019.

General and Administrative Expenses

General and administrative expenses for the three months ended June 30, 2020, were $10.8 million, an increase of $0.7 million or 7%, from the three months ended June 30, 2019. General and administrative expenses for the six months ended June 30, 2020, were $23.1 million, an increase of $3.1 million or 15%, compared to the same period in 2019. The increase in general and administrative expenses for the three and six months ended June 30, 2020, compared to the same periods in 2019 was primarily driven by higher personnel costs which included additional stock comp due to an increase in eligible participants. The increase in expense was also driven by higher consulting spend, additional expense for subscription software tools implemented throughout 2019, and higher bad debt expense driven by a higher allowance for the likely adverse impact of the COVID-19 pandemic.

Average full-time general and administrative employee headcount for the three and six months ended June 30, 2020 was 120 and 118, compared to 113 and 112 for the three and six months ended June 30, 2019, respectively. Average headcount was approximately 6% and 5% higher for the three and six months ended June 30, 2020, respectively, when compared to the same periods in 2019.

Amortization of Intangible Assets

Amortization of intangible assets for the three and six months ended June 30, 2020 was $2.3 million and $4.7 million, respectively. For both periods, there was a decrease of less than $0.1 million or 1% from the comparable periods in 2019.

Interest Income, net

	Three months ended June 30,		% Change	Six months ended June 30,		% Change
	2020	2019		2020	2019	
	(in thousands)			(in thousands)		
Interest income, net	$ 126	$ 69	83%	$ 333	$ 204	63%

Interest income, net was $0.1 million and $0.3 million for the three and six months ended June 30, 2020, as compared to $0.1 million and $0.2 million for the same periods in 2019. The increase in interest income, net for both the three and six months ended June 30, 2020 compared to the same periods in 2019 reflects an increase in our cash equivalents and short term investment balance.

Other income (expense), net

	Three months ended June 30,		% Change	Six months ended June 30,		% Change
	2020	2019		2020	2019	
	(in thousands)			(in thousands)		
Other income (expense), net	$ 509	$ 451	13%	$ 171	$ (100)	**nm**

Other income (expense), net primarily includes subsidies received from foreign governments in support of our research and development in those countries, exchange gains (losses) on transactions that are denominated in currencies other than our subsidiaries' functional currencies, and other miscellaneous non-operational, non-recurring expenses.

Other income (expense), net for the three and six months ended June 30, 2020 was $0.5 million and $0.2 million, respectively, compared to $0.5 million and $(0.1) million for the comparable periods of 2019. Higher income for the six months ended June 30, 2020 was attributable to government subsidies.

Provision (Benefit) for Income Taxes

	Three months ended June 30,			Six months ended June 30,		
	2020	2019	% Change	2020	2019	% Change
	(in thousands)			(in thousands)		
Provision (benefit) for income taxes	$ 973	$ 753	29%	$ 1,663	$ 353	371%

The Company recorded income tax expense for the three months ended June 30, 2020 of $1.0 million, compared to $0.8 million for the three months ended June 30, 2019. The Company recorded income tax expense for the six months ended June 30, 2020 of $1.7 million, compared to $0.4 million for the six months ended June 30, 2019. The increase for both periods was attributable to increased profits in the period excluding losses at entities where we cannot record a tax benefit (See Note 11 – Income Taxes).

Liquidity and Capital Resources

At June 30, 2020, we had net cash balances (total cash and cash equivalents) of $84.0 million and short-term investments of $26.8 million. Short term investments consist of U.S. treasury bills and notes, government agency notes, corporate notes and bonds, and high quality commercial paper with maturities at acquisition of more than three months and less than twelve months.

At December 31, 2019, we had net cash balances of $84.3 million and short-term investments of $25.5 million.

We are in a lease agreement that required a letter of credit in the amount of $0.8 million to secure the obligation. The restricted cash related to this letter of credit is recorded in other non-current assets on the Condensed Consolidated Balance Sheet at June 30, 2020 and December 31, 2019. Our working capital at June 30, 2020 was $131.2 million compared to $136.0 million at December 31, 2019.

As of June 30, 2020, we held $77.7 million of cash and cash equivalents in subsidiaries outside of the United States. Of that amount, $77.2 million is not subject to repatriation restrictions, but may be subject to taxes upon repatriation.

We believe that our financial resources are adequate to meet our operating needs over the next twelve months.

Our cash flows are as follows:

	Six months ended June 30,	
	2020	2019
	(in thousands)	
Cash provided by (used in):		
Operating activities	$ 4,381	$ (22,793)
Investing activities	(3,520)	(4,318)
Financing activities	(1,179)	(266)
Effect of foreign exchange rate changes on cash and cash equivalents	20	(205)

Operating Activities

Cash generated by operating activities is primarily comprised of net income, as adjusted for non-cash items, and changes in operating assets and liabilities. Non-cash adjustments consist primarily of amortization and impairment of intangible assets, depreciation of property and equipment, and stock-based compensation. We expect cash inflows from operating activities to be affected by increases or decreases in sales and timing of collections. Our primary uses of cash from operating activities have been for personnel costs. We expect cash outflows from operating activities to be affected by increases in personnel cost as we grow our business.

For the six months ended June 30, 2020, net cash provided by operating activities was $4.4 million, compared to net cash used in operating activities of $22.8 million during the six months ended June 30, 2019. The fluctuation is primarily driven by a lower accounts receivable balance and the timing of cash receipts accrued in deferred revenue.

Investing Activities

The changes in cash flows from investing activities primarily relate to timing of purchases, maturities and sales of investments, purchases of property and equipment, and activity in connection with acquisitions. We expect to continue to purchase property and equipment to support the continued growth of our business as well to continue to invest in our infrastructure and activity in connection with acquisitions.

For the six months ended June 30, 2020, net cash used in investing activities was $3.5 million, compared to net cash used in investing activities of $4.3 million for the six months ended June 30, 2019. The decrease is related to the timing of the purchases and maturities of our short term investments.

Financing Activities

Cash used in financing activities is comprised of tax payments for restricted stock issuances.

For the six months ended June 30, 2020, net cash used in financing activities was $1.2 million, compared to net cash used in financing activities of $0.3 million for the six months ended June 30, 2019. The increase is due to a higher volume of vested shares during the six months ended June 30, 2020, compared to the comparable period in 2019.

On June 10, 2020, the Board of Directors authorized a share repurchase program (“program”), pursuant to which the Company can repurchase up to $50.0 million of issued and outstanding common stock. Share purchases under the program will take place in open market transactions or in privately negotiated transactions and may be made from time to time depending on market conditions, share price, trading volume, and other factors. The timing of the repurchases and the amount of stock repurchased in each transaction is subject to OneSpan’s sole discretion and will depend upon market and business conditions, applicable legal and credit requirements and other corporate considerations. As of June 30, 2020, no shares had been repurchased under the program. The authorization is effective until June 10, 2022 unless the total amount has been used or authorization has been cancelled.

Critical Accounting Policy

Our accounting policies are fully described in Note 1 - Summary of Significant Accounting Policies, to our Consolidated Financial Statements in our Annual Report on Form 10-K for the year ended December 31, 2019 and Note 2 – Summary of Significant Accounting Policies to our Interim Unaudited Condensed Consolidated Financial Statements in this Quarterly Report on Form 10-Q for the quarterly period ended June 30, 2020. We believe our most critical accounting policies include revenue recognition, purchase accounting and related fair value measurements and accounting for income taxes.

Item 3 - Quantitative and Qualitative Disclosures about Market Risk

There have been no material changes in our market risk during the six months ended June 30, 2020. For additional information, refer to “Item 7A. Quantitative and Qualitative Disclosures about Market Risk”, included in our Annual Report on Form 10-K for the fiscal year ended December 31, 2019.

Item 4 - Controls and Procedures

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, who, respectively, are our principal executive officer and principal financial officer, conducted an evaluation of the effectiveness of our disclosure controls and procedures (as defined in Rule 13a-15(e) and Rule 15d-15(e) under the Securities Exchange Act of 1934, as amended, (the “Exchange Act”)) as of the end of the period covered by this Quarterly Report on Form 10-Q. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure (i) the information required to be disclosed by us in our reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission’s rules and forms, and (ii) information required to be disclosed by us in our reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. Any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. Based on that evaluation, the Chief Executive Officer and Chief Financial Officer have concluded that, as of the end of the period covered by this report, our disclosure controls and procedures were effective at the reasonable assurance level.

Changes in Internal Controls

There were no changes in our internal control over financial reporting (as that term is defined in Rule 13a-15(f) and 15d-15(f) under the Exchange Act) during the three months ended June 30, 2020, that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting

Inherent Limitations on the Effectiveness of Controls

Internal control over financial reporting has inherent limitations. Internal control over financial reporting is a process that involves human diligence and compliance and is subject to lapses in judgment and breakdowns resulting from human failures. Internal control over financial reporting also can be circumvented by collusion or improper management override. Because of such limitations, there is a risk that material misstatements will not be prevented or detected on a timely basis by internal control over financial reporting. However, these inherent limitations are known features of the financial reporting process. Therefore, it is possible to design into the process safeguards to reduce, though not eliminate, this risk. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies and procedures may deteriorate.

PART II. OTHER INFORMATION

Item 1 - Legal Proceedings

We are a party to or have intellectual property subject to litigation and other proceedings that arise in the ordinary course of our business. These types of matters could result in fines, penalties, compensatory or treble damages or non-monetary sanctions or relief. We believe the probability is remote that the outcome of each of these matters, including the legal proceedings described below, will have a material adverse effect on the corporation as a whole, notwithstanding that the unfavorable resolution of any matter may have a material effect on our financial results in any particular interim reporting period.

We cannot predict the outcome of legal or other proceedings with certainty, including the legal proceedings which are summarized in “Note 14 – Legal Proceedings and Contingencies” included in our Notes to Condensed Consolidated Financial Statements, incorporated herein by reference, and “Note 15 – Commitments and Contingencies” in our Annual Report on Form 10-K for the year ended December 31, 2019 filed with the U.S. Securities and Exchange Commission. Any reasonably possible material loss or range of loss associated with any individual legal proceeding that can be estimated, is provided in Note 14 to the Condensed Consolidated Financial Statements contained herein.

Item 1A – Risk Factors

The following risk factor is provided to update the risk factors previously disclosed under the heading "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2019.

While we believe the coronavirus could have a negative impact on our financial results in the future, the impact is difficult to assess at this time.

The effects of the COVID-19 pandemic have materially affected how we and our customers are operating our businesses, and the duration and extent to which this will impact our future results of operations and overall financial performance remains uncertain.

In December 2019, a novel coronavirus disease ("COVID-19") was reported and in January 2020, the World Health Organization ("WHO") declared it a Public Health Emergency of International Concern. On February 28, 2020, the WHO raised its assessment of the COVID-19 threat from high to very high at a global level due to the continued increase in the number of cases and affected countries, and on March 11, 2020, the WHO characterized COVID-19 as a pandemic. A significant outbreak of epidemic, pandemic, or contagious diseases in the human population could result in a widespread health crisis that could adversely affect the broader economies, financial markets and overall demand environment for our products.

As a result of the COVID-19 pandemic, we temporarily closed our offices in March 2020 (including our corporate headquarters) in many countries except where we have been able to accommodate limited essential employees such as for the shipping of our hardware authentication tokens under revised procedures. We are in the process of re-opening a limited number of our offices in the third quarter of 2020 with limited capacity under revised procedures. We are unable to predict further re-openings or whether the initial re-openings will be successful or remain in place. We implemented certain travel restrictions, remote work arrangements and other measures and while our early experience with this new situation has been satisfactory to date, it has disrupted how we normally operate our business and may in the longer term impact our productivity, innovation and effectiveness such that our results are adversely affected. We have shifted certain of our customer events to virtual-only experiences and we may deem it advisable to similarly alter, postpone or cancel entirely additional customer, employee or industry events in the future. Because we operate in multiple international locations, we expect there to be variability and additional complications from differing conditions and inconsistent guidance from numerous public health agencies.

In our hardware business, we are exposed to specific risks related to manufacturing, supply chain, shipping and distribution- all of which have been impacted by the COVID-19 pandemic. As a result of COVID-19, we experienced some delays and increased costs related to fulfilling our hardware orders. Such issues have been primarily resolved however we may be unable to satisfy certain customer orders for our products in the future if orders substantially increase and/or supply chain problems emerge.

In our software business, we experienced some increased sales for products used in remote employee access, electronic signature and remote banking in the first quarter of 2020 that we attribute in part to the COVID-19 pandemic. This increase may have been temporary, and we are unable to predict whether it will continue or decline. Moreover, the conditions caused by the COVID-19 pandemic can affect the rate of IT spending and could adversely affect our customers' ability or willingness to attend our events or to purchase our offerings, delay prospective customers' purchasing decisions, adversely impact our ability to provide on-site sales meetings or professional services to our customers, delay the provisioning of our offerings, lengthen payment terms, reduce the value or duration of their contracts, or affect attrition rates, all of which could adversely affect our future sales, operating results and overall financial performance. During the summer of 2020, we began to experience some of the aforementioned scenarios due to, we believe, global economic uncertainty connected with the continued seriousness of the COVID-19 pandemic.

If the restrictions on our employees, customers and others in the world continue or increase in order to limit the spread of COVID-19, the potential effects could be exacerbated, and our results of operations and overall financial performance may be harmed. The duration and extent of the impact from the COVID-19 pandemic depends on future developments that cannot be accurately predicted at this time, such as the severity and transmission rate of the virus, the extent and effectiveness of containment actions and the impact of these and other factors on our employees, customers, partners and vendors. If we are not able to respond to and manage the impact of such events effectively, our business will be harmed.

Item 2 – Unregistered Sales of Equity Securities and Use of Proceeds

The following table provides information about purchases by the Company of its shares of common stock during the second quarter of 2020:

Period	Total Number of Shares Purchased (1)	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs (2)	Maximum Dollar Value of Shares that May Yet Be Purchased Under the Plans or Programs (2)
April 1, 2020 through April 30, 2020	340	$ 17.15	—	$ —
May 1, 2020 through May 31, 2020	—	—	—	$ —
June 1, 2020 through June 30, 2020	3,498	$ 22.10	—	$ 50,000,000

(1.) All transactions represent surrender of vested shares in satisfaction of tax withholdings by grantees under the 2019 Omnibus Incentive Plan.

(2.) On June 10, 2020, the Board of Directors authorized a share repurchase program (“program”), pursuant to which the Company can repurchase up to $50.0 million of issued and outstanding common stock. Share purchases under the program will take place in open market transactions or in privately negotiated transactions and may be made from time to time depending on market conditions, share price, trading volume, and other factors. The timing of the repurchases and the amount of stock repurchased in each transaction is subject to OneSpan’s sole discretion and will depend upon market and business conditions, applicable legal and credit requirements and other corporate considerations. The authorization is effective until June 10, 2022 unless the total amount has been used or authorization has been cancelled.

Item 5 – Other Information

As disclosed in the Company's current report on Form 8-K filed June 15, 2020, the Company held its annual meeting of stockholders on June 10, 2020. Among the matters submitted to a vote of the stockholders was an advisory vote to approve the frequency of future advisory votes on executive compensation. The stockholders approved, on an advisory basis, a frequency of every year for future advisory votes to approve the Company's executive compensation ("say on pay"). There were 19,121,924 votes cast for a frequency of every year; 25,085 votes cast for a frequency of every two years; 13,861,687 votes cast for a frequency of every three years; and 18,235 abstentions.

Based on these results, the Board of Directors has determined that the Company will hold say on pay votes every year, until the next required advisory vote on the frequency of say on pay votes.

Item 6 - Exhibits

Exhibit 31.1 – Rule 13a-14(a)/15d-14(a) Certification of Principal Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated August 14, 2020.

Exhibit 31.2 – Rule 13a-14(a)/15d-14(a) Certification of Principal Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002, dated August 14, 2020.

Exhibit 32.1 – Section 1350 Certification of Principal Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated August 14, 2020.

Exhibit 32.2 – Section 1350 Certification of Principal Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, dated August 14, 2020.

Exhibit 101.INS – XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document

Exhibit 101.SCH – XBRL Taxonomy Extension Schema Document

Exhibit 101.CAL – XBRL Taxonomy Extension Calculation Linkbase Document

Exhibit 101.LAB – XBRL Taxonomy Extension Label Linkbase Document

Exhibit 101.PRE – XBRL Taxonomy Extension Presentation Linkbase Document

Exhibit 101.DEF – XBRL Taxonomy Extension Definition Linkbase Document

Exhibit 104 – The cover page interactive data file does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document

---

***Certain exhibits, schedules and annexes have been omitted pursuant to Item 601(b)(2) of Regulation S-K. OneSpan undertakes to furnish copies of any such omitted items upon request by the Securities and Exchange Commission.**

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this Report to be signed on its behalf by the undersigned, thereunto duly authorized, on August 14, 2020.

OneSpan Inc.

/s/ Scott Clements
Scott Clements
Chief Executive Officer
(Principal Executive Officer)

/s/ Mark S. Hoyt
Mark S. Hoyt
Chief Financial Officer
(Principal Financial Officer and Principal Accounting Officer)

EXHIBIT 31.1

Certification of Principal Executive Officer
Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Scott Clements, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of OneSpan Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant’s other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting or caused such internal control over financial reporting to be designed under our supervision to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by the report based on such evaluation; and

   (d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and

5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of registrant’s board of directors (or persons fulfilling the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting.

Dated: August 14, 2020

/s/ Scott Clements
Scott Clements
Chief Executive Officer
(Principal Executive Officer)

EXHIBIT 31.2

Certification of Principal Financial Officer
Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Mark S. Hoyt, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of OneSpan Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   (b) Designed such internal control over financial reporting or caused such internal control over financial reporting to be designed under our supervision to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by the report based on such evaluation; and

   (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons fulfilling the equivalent functions):

   (e) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (f) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Dated: August 14, 2020

/s/ Mark S. Hoyt
Mark S. Hoyt
Chief Financial Officer
(Principal Financial Officer and Principal Accounting Officer)

EXHIBIT 32.1

CERTIFICATION OF CHIEF EXECUTIVE OFFICER
Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002

I, Scott Clements, certify, based upon a review of the Quarterly Report on Form 10-Q for OneSpan Inc. for the second quarter ended June 30, 2020, that to the best of my knowledge:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

/s/ Scott Clements
Scott Clements
Chief Executive Officer

August 14, 2020

EXHIBIT 32.2

CERTIFICATION OF CHIEF FINANCIAL OFFICER
Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002

I, Mark S. Hoyt, certify, based upon a review of the Quarterly Report on Form 10-Q for OneSpan Inc. for the second quarter ended on June 30, 2020, that to the best of my knowledge:

(1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Registrant.

/s/ Mark S. Hoyt

Mark S. Hoyt
Chief Financial Officer

August 14, 2020