

**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 December 31, 2017

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 1-10799

ADDvantage Technologies Group, Inc.

(Exact name of registrant as specified in its charter)

OKLAHOMA

(State or other jurisdiction of incorporation or organization)

73-1351610

(I.R.S. Employer Identification No.)

1221 E. Houston
Broken Arrow, Oklahoma 74012
(Address of principal executive office)
(918) 251-9121
(Registrant's telephone number, including area code)

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 <input checked="" type="checkbox"/> No <input type="checkbox"/>
Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (Section 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. Large accelerated filer <input type="checkbox"/> Accelerated filer <input type="checkbox"/> Non-accelerated filer <input type="checkbox"/> (do not check if a smaller reporting company) Smaller reporting company <input checked="" type="checkbox"/>	
Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Shares outstanding of the issuer's \$.01 par value common stock as of January 31, 2018 were 10,225,995.	

ADVANTAGE TECHNOLOGIES GROUP, INC.
Form 10-Q
For the Period Ended December 31, 2017

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PART I. FINANCIAL INFORMATION

Item 1. Financial Statements.

ADVANTAGE TECHNOLOGIES GROUP, INC. CONSOLIDATED CONDENSED BALANCE SHEETS (UNAUDITED)

	<u>December 31,</u> <u>2017</u>	<u>September 30,</u> <u>2017</u>
Assets		
Current assets:		
Cash and cash equivalents	\$ 414,891	\$ 3,972,723
Accounts receivable, net of allowance for doubtful accounts of \$150,000	5,299,536	5,567,005
Income tax receivable	244,510	247,186
Inventories, net of allowance for excess and obsolete inventory of \$3,100,389 and \$2,939,289, respectively	22,406,750	22,333,820
Prepaid expenses	<u>233,627</u>	<u>298,152</u>
Total current assets	28,599,314	32,418,886
Property and equipment, at cost:		
Land and buildings	7,211,190	7,218,678
Machinery and equipment	3,961,764	3,995,668
Leasehold improvements	<u>200,617</u>	<u>202,017</u>
Total property and equipment, at cost	11,373,571	11,416,363
Less: Accumulated depreciation	<u>(5,467,393)</u>	<u>(5,395,791)</u>
Net property and equipment	5,906,178	6,020,572
Investment in and loans to equity method investee	140,045	98,704
Intangibles, net of accumulated amortization	8,234,176	8,547,487
Goodwill	5,970,244	5,970,244
Deferred income taxes	1,308,000	1,653,000
Other assets	<u>135,462</u>	<u>138,712</u>
Total assets	<u>\$ 50,293,419</u>	<u>\$ 54,847,605</u>

See notes to unaudited consolidated condensed financial statements.

ADVANTAGE TECHNOLOGIES GROUP, INC.
CONSOLIDATED CONDENSED BALANCE SHEETS
(UNAUDITED)

	<u>December 31,</u> <u>2017</u>	<u>September 30,</u> <u>2017</u>
Liabilities and Shareholders' Equity		
Current liabilities:		
Accounts payable	\$ 3,478,894	\$ 3,392,725
Accrued expenses	1,163,451	1,406,722
Notes payable – current portion	1,519,492	4,189,605
Other current liabilities	<u>643,746</u>	<u>664,325</u>
Total current liabilities	6,805,583	9,653,377
Notes payable, less current portion	1,708,622	2,094,246
Other liabilities	<u>775,465</u>	<u>1,401,799</u>
Total liabilities	9,289,670	13,149,422
Shareholders' equity:		
Common stock, \$.01 par value; 30,000,000 shares authorized; 10,726,653 shares issued; and 10,225,995 shares outstanding	107,267	107,267
Paid in capital	(4,734,138)	(4,746,466)
Retained earnings	<u>46,630,634</u>	<u>47,337,396</u>
Total shareholders' equity before treasury stock	42,003,763	42,698,197
Less: Treasury stock, 500,658 shares, at cost	<u>(1,000,014)</u>	<u>(1,000,014)</u>
Total shareholders' equity	<u>41,003,749</u>	<u>41,698,183</u>
Total liabilities and shareholders' equity	<u>\$ 50,293,419</u>	<u>\$ 54,847,605</u>

See notes to unaudited consolidated condensed financial statements.

ADVANTAGE TECHNOLOGIES GROUP, INC.
CONSOLIDATED CONDENSED STATEMENTS OF OPERATIONS
(UNAUDITED)

	Three Months Ended December 31,	
	2017	2016
Sales	\$ 12,284,765	\$ 12,095,826
Cost of sales	8,903,610	8,072,197
Gross profit	3,381,155	4,023,629
Operating, selling, general and administrative expenses	3,646,823	3,596,824
Income (loss) from operations	(265,668)	426,805
Interest expense	96,094	96,644
Income (loss) before income taxes	(361,762)	330,161
Provision for income taxes	345,000	113,000
 Net income (loss)	 \$ (706,762)	 \$ 217,161
 Earnings (loss) per share:		
Basic	\$ (0.07)	\$ 0.02
Diluted	\$ (0.07)	\$ 0.02
Shares used in per share calculation:		
Basic	10,225,995	10,134,235
Diluted	10,225,995	10,134,559

See notes to unaudited consolidated condensed financial statements.

ADVANTAGE TECHNOLOGIES GROUP, INC.
CONSOLIDATED CONDENSED STATEMENTS OF CASH FLOWS
(UNAUDITED)

	Three Months Ended December 31,	
	<u>2017</u>	<u>2016</u>
Operating Activities		
Net income (loss)	\$ (706,762)	\$ 217,161
Adjustments to reconcile net income (loss) to net cash provided by (used in) operating activities:		
Depreciation	98,143	103,787
Amortization	313,311	311,986
Provision for excess and obsolete inventories	161,100	166,620
Charge for lower of cost or net realizable value for inventories	11,528	33,447
Gain on disposal of property and equipment	(6,862)	—
Deferred income tax provision (benefit)	345,000	(4,000)
Share based compensation expense	38,578	41,884
Changes in assets and liabilities:		
Accounts receivable	267,469	195,077
Income tax receivable\payable	2,676	119,346
Inventories	(245,558)	650,191
Prepaid expenses	38,275	29,060
Other assets	3,250	(424)
Accounts payable	86,169	179,651
Accrued expenses	(243,271)	(278,607)
Other liabilities	<u>20,087</u>	<u>26,092</u>
Net cash provided by operating activities	183,133	1,791,271
Investing Activities		
Acquisition of net operating assets	—	(6,643,540)
Guaranteed payments for acquisition of business	(667,000)	—
Loan repayment from (investment in and loans to) equity method investee	(41,341)	970,500
Purchases of property and equipment	—	(69,833)
Disposals of property and equipment	<u>23,113</u>	<u>—</u>
Net cash used in investing activities	(685,228)	(5,742,873)
Financing Activities		
Proceeds from notes payable	—	4,000,000
Debt issuance costs	—	(15,394)
Payments on notes payable	<u>(3,055,737)</u>	<u>(437,793)</u>
Net cash provided by (used in) financing activities	<u>(3,055,737)</u>	<u>3,546,813</u>
Net decrease in cash and cash equivalents	(3,557,832)	(404,789)
Cash and cash equivalents at beginning of period	<u>3,972,723</u>	<u>4,508,126</u>
Cash and cash equivalents at end of period	<u>\$ 414,891</u>	<u>\$ 4,103,337</u>
Supplemental cash flow information:		
Cash paid for interest	\$ 118,292	\$ 63,161
Supplemental noncash investing activities:		
Deferred guaranteed payments for acquisition of business	\$ —	\$ (1,897,372)

See notes to unaudited consolidated condensed financial statements.

ADVANTAGE TECHNOLOGIES GROUP, INC.
NOTES TO UNAUDITED CONSOLIDATED CONDENSED FINANCIAL STATEMENTS

Note 1 - Basis of Presentation and Accounting Policies

Basis of presentation

The consolidated condensed financial statements include the accounts of ADDvantage Technologies Group, Inc. and its subsidiaries, all of which are wholly owned (collectively, the “Company”). Intercompany balances and transactions have been eliminated in consolidation. The Company’s reportable segments are Cable Television (“Cable TV”) and Telecommunications (“Telco”).

The accompanying unaudited consolidated condensed financial statements have been prepared in accordance with accounting principles generally accepted in the United States for interim financial statements and do not include all the information and footnotes required by accounting principles generally accepted in the United States for complete financial statements. However, the information furnished reflects all adjustments, consisting only of normal recurring items which are, in the opinion of management, necessary in order to make the consolidated condensed financial statements not misleading. It is suggested that these consolidated condensed financial statements be read in conjunction with the audited consolidated financial statements and the notes thereto included in the Company’s Annual Report on Form 10-K for the fiscal year ended September 30, 2017.

Recently Issued Accounting Standards

In May 2014, the FASB issued ASU No. 2014-09: “Revenue from Contracts with Customers (Topic 606)”. This guidance was issued to clarify the principles for recognizing revenue and develop a common revenue standard for U.S. GAAP and International Financial Reporting Standards (“IFRS”). In addition, in August 2015, the FASB issued ASU No. 2015-14: “Revenue from Contracts with Customers (Topic 606). This update was issued to defer the effective date of ASU No. 2014-09 by one year. Therefore, the effective date of ASU No. 2014-09 is for annual reporting periods beginning after December 15, 2017. Based on management’s assessment of ASU No. 2014-09, management does not expect that ASU No. 2014-09 will have a material impact on the Company’s consolidated financial statements.

In February 2016, the FASB issued ASU No. 2016-02: “Leases (Topic 842)” which is intended to improve financial reporting about leasing transactions. This ASU will require organizations (“lessees”) that lease assets with lease terms of more than twelve months to recognize on the balance sheet the assets and liabilities for the rights and obligations created by those leases. Organizations that own the assets leased by lessees (“lessors”) will remain largely unchanged from current GAAP. In addition, this ASU will require disclosures to help investors and other financial statement users better understand the amount, timing and uncertainty of cash flows arising from leases. The guidance is effective for annual periods beginning after December 15, 2018 and early adoption is permitted. Based on management’s initial assessment, ASU No. 2016-02 will have a material impact on the Company’s consolidated financial statements. The Company is a lessee on certain leases that will need to be reported as right of use assets and liabilities at an estimated amount of \$3 million on the Company’s consolidated financial statements on the date of adoption.

In March 2016, the FASB issued ASU No. 2016-09: “Compensation – Stock Compensation (Topic 718)” which is intended to improve employee share-based payment accounting. This ASU identifies areas for simplification involving several aspects of accounting for share-based payment transactions, including the income tax consequences, classification of awards as either equity or liabilities, an option to recognize gross stock compensation expense with actual forfeitures recognized as they occur, as well as certain classifications on the statement of cash flows. The guidance is effective for annual periods beginning after December 15, 2016 and interim periods within those annual periods. Early adoption is permitted. Management has determined that ASU No. 2016-09 will not have a material impact on the Company’s consolidated financial statements. The Company does not currently have excess tax benefits or deficiencies from stock compensation expense. The Company adopted ASU No. 2016-09 on October 1, 2017.

In June 2016, the FASB issued ASU 2016-13: “Financial Instruments — Credit Losses (Topic 326) – Measurement of Credit Losses on Financial Instruments. This ASU requires entities to measure all expected credit losses for most financial assets held at the reporting date based on an expected loss model which includes historical experience, current

conditions, and reasonable and supportable forecasts. Entities will now use forward-looking information to better form their credit loss estimates. This ASU also requires enhanced disclosures to help financial statement users better understand significant estimates and judgments used in estimating credit losses, as well as the credit quality and underwriting standards of an entity's portfolio. ASU 2016-13 is effective for annual periods beginning after December 15, 2019, including interim periods within those fiscal periods. Entities may adopt earlier as of the fiscal year beginning after December 15, 2018, including interim periods within those fiscal years. We are currently in the process of evaluating this new standard update.

In August 2016, the FASB issued ASU 2016-15: "Statement of Cash Flows (Topic 230) – Classification of Certain Cash Receipts and Cash Payments." This ASU addresses eight specific cash flow issues with the objective of reducing the existing diversity in practice. The amendments in this ASU are effective for fiscal years beginning after December 15, 2017, and interim periods within those fiscal years. Early adoption is permitted. Based on management's initial assessment of ASU No. 2016-15, the cash flows associated with guaranteed payments for acquisition of businesses will be reported as a financing activity in the Statement of Cash Flows, as opposed to an investing activity where it is currently reported.

In January 2017, the FASB issued ASU 2017-04: "Intangibles – Goodwill and Other (Topic 350) – Simplifying the Test for Goodwill Impairment." This ASU eliminates the second step in the goodwill impairment test which requires an entity to determine the implied fair value of the reporting unit's goodwill. Instead, an entity should recognize an impairment loss if the carrying value of the net assets assigned to the reporting unit exceeds the fair value of the reporting unit, with the impairment loss not to exceed the amount of goodwill allocated to the reporting unit. This ASU is effective for annual and interim goodwill impairment tests conducted in fiscal years beginning after December 15, 2019, with early adoption permitted. The Company is currently evaluating methodology changes that may be required in performing its annual goodwill impairment assessment in connection with this ASU and any impact that these changes may have on the Company's financial statements.

Reclassification

Certain prior period amounts have been reclassified to conform to the current year presentation. These reclassifications had no effect on previously reported results of operations or retained earnings.

Note 2 – Inventories

Inventories at December 31, 2017 and September 30, 2017 are as follows:

	December 31, <u>2017</u>	September 30, <u>2017</u>
New:		
Cable TV	\$13,667,532	\$ 14,014,188
Telco	1,225,888	990,218
Refurbished and used:		
Cable TV	3,217,494	3,197,426
Telco	7,396,225	7,071,277
Allowance for excess and obsolete inventory:		
Cable TV	(2,450,000)	(2,300,000)
Telco	<u>(650,389)</u>	<u>(639,289)</u>
	<u>\$22,406,750</u>	<u>\$22,333,820</u>

New inventory includes products purchased from the manufacturers plus "surplus-new", which are unused products purchased from other distributors or multiple system operators. Refurbished inventory includes factory refurbished, Company refurbished and used products. Generally, the Company does not refurbish its used inventory until there is a sale of that product or to keep a certain quantity on hand.

The Company regularly reviews the Cable TV segment inventory quantities on hand, and an adjustment to cost is recognized when the loss of usefulness of an item or other factors, such as obsolete and excess inventories, indicate that cost will not be recovered when an item is sold. The Company recorded charges in the Cable TV segment to allow for obsolete inventory, which increased the cost of sales \$0.2 million during the three months ended December 31, 2017 and 2016.

For the Telco segment, any obsolete or excess telecommunications inventory is generally processed through its recycling program when it is identified. However, the Telco segment has identified certain inventory that more than likely will not be sold or that the cost will not be recovered when it is sold, and had not yet been processed through its recycling program. Therefore, the Company has a \$0.7 million reserve at December 31, 2017. We also reviewed the cost of inventories against estimated net realizable value and recorded a lower of cost or net realizable value charge for the three months ended December 31, 2017 and December 31, 2016 of \$12 thousand and \$33 thousand, respectively, for inventories that have a cost in excess of estimated net realizable value.

Note 3 – Intangible Assets

The intangible assets with their associated accumulated amortization amounts at December 31, 2017 and September 30, 2017 are as follows:

	<u>December 31, 2017</u>		
	<u>Gross</u>	<u>Accumulated Amortization</u>	<u>Net</u>
Intangible assets:			
Customer relationships – 10 years	\$ 8,152,000	\$ (2,102,491)	\$ 6,049,509
Technology – 7 years	1,303,000	(713,545)	589,455
Trade name – 10 years	2,119,000	(595,455)	1,523,545
Non-compete agreements – 3 years	<u>374,000</u>	<u>(302,333)</u>	<u>71,667</u>
Total intangible assets	<u>\$11,948,000</u>	<u>\$ (3,713,824)</u>	<u>\$ 8,234,176</u>
	<u>September 30, 2017</u>		
	<u>Gross</u>	<u>Accumulated Amortization</u>	<u>Net</u>
Intangible assets:			
Customer relationships – 10 years	\$ 8,152,000	\$ (1,898,691)	\$ 6,253,309
Technology – 7 years	1,303,000	(667,009)	635,991
Trade name – 10 years	2,119,000	(542,480)	1,576,520
Non-compete agreements – 3 years	<u>374,000</u>	<u>(292,333)</u>	<u>81,667</u>
Total intangible assets	<u>\$11,948,000</u>	<u>\$ (3,400,513)</u>	<u>\$ 8,547,487</u>

Note 4 – Income Taxes

The Tax Cuts and Jobs Act was enacted on December 22, 2017. One of the provisions of this legislation was that it reduced the corporate income tax rates for the Company from 34% to 21% effective beginning January 1, 2018. Since the Company's fiscal year begins on October 1, this results in a blended rate for 2018 of 24.3%. Due to this legislation, the Company has remeasured its deferred tax balances at the reduced enacted tax rates as well as utilized the lower anticipated effective income tax rate for first quarter results. The provision recorded related to the remeasurement of the Company's deferred tax balances was \$0.4 million. The accounting for the effects of the rate change on the deferred tax balances is complete and no provisional amounts were recorded for the new legislation.

Note 5 – Notes Payable and Line of Credit

Notes Payable

The Company has an Amended and Restated Revolving Credit and Term Loan Agreement (“Credit and Term Loan Agreement”) with its primary financial lender. Revolving credit and term loans created under the Credit and Term Loan Agreement are collateralized by inventory, accounts receivable, equipment and fixtures, general intangibles and a mortgage on certain property. Among other financial covenants, the Credit and Term Loan Agreement provides that the Company maintain a fixed charge coverage ratio (net cash flow to total fixed charges) of not less than 1.25 to 1.0 and a leverage ratio (total funded debt to EBITDA) of not more than 2.50 to 1.0. Both financial covenants are determined quarterly. At December 31, 2017, we were in compliance with our financial covenants.

At December 31, 2017, the Company has two term loans outstanding under the Credit and Term Loan Agreement. The first outstanding term loan has an outstanding balance of \$0.7 million at December 31, 2017 and is due on November 30, 2021, with monthly principal payments of \$15,334 plus accrued interest. The interest rate is the prevailing 30-day LIBOR rate plus 1.4% (2.78% at December 31, 2017) and is reset monthly.

The second outstanding term loan has an outstanding balance of \$2.4 million at December 31, 2017 and is due October 14, 2019, with monthly principal and interest payments of \$118,809. The interest rate on the term loan is a fixed interest rate of 4.40%.

On December 6, 2017, the Company extinguished one of its previous term loans by paying the outstanding balance of \$2.7 million plus a prepayment penalty of \$25,000.

Line of Credit

The Company has a \$7.0 million Revolving Line of Credit (“Line of Credit”) under the Credit and Term Loan Agreement. On March 31, 2017, the Company executed the Eighth Amendment under the Credit and Term Loan Agreement. This amendment extended the Line of Credit maturity to March 30, 2018, while other terms of the Line of Credit remained essentially the same. At December 31, 2017, the Company had no balance outstanding under the Line of Credit. The Line of Credit requires quarterly interest payments based on the prevailing 30-day LIBOR rate plus 2.75% (4.31% at December 31, 2017), and the interest rate is reset monthly. Any future borrowings under the Line of Credit are due on March 30, 2018. Future borrowings under the Line of Credit are limited to the lesser of \$7.0 million or the net balance of 80% of qualified accounts receivable plus 50% of qualified inventory. Under these limitations, the Company’s total available Line of Credit borrowing base was \$7.0 million at December 31, 2017.

Fair Value of Debt

FASB ASC 820, *Fair Value Measurements and Disclosures*, defines fair value, establishes a consistent framework for measuring fair value and establishes a fair value hierarchy based on the observability of inputs used to measure fair value. The three levels of the fair value hierarchy are as follows:

- Level 1 – Quoted prices for identical assets in active markets or liabilities that we have the ability to access. Active markets are those in which transactions for the asset or liability occur in sufficient frequency and volume to provide pricing information on an ongoing basis.
- Level 2 – Inputs are other than quoted prices in active markets included in Level 1 that are either directly or indirectly observable. These inputs are either directly observable in the marketplace or indirectly observable through corroboration with market data for substantially the full contractual term of the asset or liability being measured.
- Level 3 – Inputs that are not observable for which there is little, if any, market activity for the asset or liability being measured. These inputs reflect management’s best estimate of the assumptions market participants would use in determining fair value.

The Company has determined the carrying value of its variable-rate term loan approximates its fair value since the interest rate fluctuates periodically based on a floating interest rate.

The Company has determined the fair value of its fixed-rate term loan utilizing the Level 2 hierarchy as the fair value can be estimated from broker quotes corroborated by other market data. These broker quotes are based on observable market interest rates at which loans with similar terms and maturities could currently be executed. The Company then estimated the fair value of the fixed-rate term loans using cash flows discounted at the current market interest rate obtained. The fair value of the Company's second outstanding fixed rate loan was \$2.5 million as of December 31, 2017.

Note 6 – Earnings Per Share

Basic earnings per share are based on the sum of the average number of common shares outstanding and issuable, restricted and deferred shares. Diluted earnings per share include any dilutive effect of stock options and restricted stock. In computing the diluted weighted average shares, the average share price for the period is used in determining the number of shares assumed to be reacquired under the treasury stock method from the exercise of options.

Basic and diluted earnings per share for the three months ended December 31, 2017 and 2016 are:

	Three Months Ended December 31,	
	<u>2017</u>	<u>2016</u>
Net income (loss) attributable to common shareholders	\$ (706,762)	\$ 217,161
Basic weighted average shares	10,225,995	10,134,235
Effect of dilutive securities:		
Stock options	<u>–</u>	<u>324</u>
Diluted weighted average shares	<u>10,225,995</u>	<u>10,134,559</u>
Earnings (loss) per common share:		
Basic	\$ (0.07)	\$ 0.02
Diluted	\$ (0.07)	\$ 0.02

The table below includes information related to stock options that were outstanding at the end of each respective three-month period ended December 31, but have been excluded from the computation of weighted-average stock options for dilutive securities due to the option exercise price exceeding the average market price per share of our common stock for the three months ended December 31, or their effect would be anti-dilutive.

	Three Months Ended December 31,	
	<u>2017</u>	<u>2016</u>
Stock options excluded	700,000	520,000
Weighted average exercise price of stock options	\$ 2.54	\$ 2.83
Average market price of common stock	\$ 1.46	\$ 1.76

Note 7 – Stock-Based Compensation

Plan Information

The 2015 Incentive Stock Plan (the “Plan”) provides for awards of stock options and restricted stock to officers, directors, key employees and consultants. Under the Plan, option prices will be set by the Compensation Committee and may not be less than the fair market value of the stock on the grant date.

At December 31, 2017, 1,100,415 shares of common stock were reserved for stock award grants under the Plan. Of these reserved shares, 212,451 shares were available for future grants.

Stock Options

All share-based payments to employees, including grants of employee stock options, are recognized in the financial statements based on their grant date fair value over the requisite service period. Compensation expense for share-based awards is included in the operating, selling, general and administrative expense section of the Company's consolidated condensed statements of income.

Stock options are valued at the date of the award, which does not precede the approval date, and compensation cost is recognized on a straight-line basis over the vesting period. Stock options granted to employees generally become exercisable over a three, four or five-year period from the date of grant and generally expire ten years after the date of grant. Stock options granted to the Board of Directors generally become exercisable on the date of grant and generally expire ten years after the grant.

A summary of the status of the Company's stock options at December 31, 2017 and changes during the three months then ended is presented below:

	<u>Shares</u>	<u>Wtd. Avg. Ex. Price</u>
Outstanding at September 30, 2017	700,000	\$2.54
Granted	—	—
Exercised	—	—
Expired	—	—
Forfeited	—	—
Outstanding at December 31, 2017	<u>700,000</u>	\$2.54
Exercisable at December 31, 2017	526,667	\$2.78

No nonqualified stock options were granted for the three months ended December 31, 2017. The Company estimates the fair value of the options granted using the Black-Scholes option valuation model. The Company estimates the expected term of options granted based on the historical grants and exercises of the Company's options. The Company estimates the volatility of its common stock at the date of the grant based on both the historical volatility as well as the implied volatility on its common stock. The Company bases the risk-free rate that is used in the Black-Scholes option valuation model on the implied yield in effect at the time of the option grant on U.S. Treasury zero-coupon issues with equivalent expected term. The Company has never paid cash dividends on its common stock and does not anticipate paying cash dividends in the foreseeable future. Consequently, the Company uses an expected dividend yield of zero in the Black-Scholes option valuation model. The Company amortizes the resulting fair value of the options ratably over the vesting period of the awards. The Company uses historical data to estimate the pre-vesting option forfeitures and records share-based expense only for those awards that are expected to vest.

Compensation expense related to unvested stock options recorded for the three months ended December 31, 2017 is as follows:

	<u>Three Months Ended December 31, 2017</u>
Fiscal year 2016 grant	\$ 1,789
Fiscal year 2017 grant	\$ 10,539

The Company records compensation expense over the vesting term of the related options. At December 31, 2017, compensation costs related to these unvested stock options not yet recognized in the consolidated condensed statements of operations was \$62,657.

Restricted Stock

The Company granted restricted stock in March 2017 to its Board of Directors and a Company officer totaling 58,009 shares, which were valued at market value on the date of grant. The shares are being held by the Company for 12 months and will be delivered to the directors at the end of the 12 month holding period. The fair value of these shares at issuance totaled \$105,000, which is being amortized over the 12 month holding period as compensation expense. The unamortized portion of the restricted stock is included in prepaid expenses on the Company's consolidated condensed balance sheets.

Note 8 – Segment Reporting

The Company is reporting its financial performance based on its external reporting segments: Cable Television and Telecommunications. These reportable segments are described below.

Cable Television (“Cable TV”)

The Company's Cable TV segment sells new, surplus and re-manufactured cable television equipment throughout North America, Central America, South America and, to a substantially lesser extent, other international regions that utilize the same technology. In addition, this segment repairs cable television equipment for various cable companies.

Telecommunications (“Telco”)

The Company's Telco segment sells new and used telecommunications networking equipment, including both central office and customer premise equipment, to its customer base of telecommunications providers, enterprise customers and resellers located primarily in North America. In addition, this segment offers its customers decommissioning services for surplus and obsolete equipment, which it in turn processes through its recycling program.

The Company evaluates performance and allocates its resources based on operating income. The accounting policies of its reportable segments are the same as those described in the summary of significant accounting policies.

Segment assets consist primarily of cash and cash equivalents, accounts receivable, inventory, property and equipment, goodwill and intangible assets.

	Three Months Ended	
	December 31, 2017	December 31, 2016
Sales		
Cable TV	\$ 5,826,405	\$ 6,574,824
Telco	6,458,540	5,539,977
Intersegment	(180)	(18,975)
Total sales	<u>\$ 12,284,765</u>	<u>\$ 12,095,826</u>
Gross profit		
Cable TV	\$ 1,201,127	\$ 2,400,342
Telco	2,180,028	1,623,287
Total gross profit	<u>\$ 3,381,155</u>	<u>\$ 4,023,629</u>
Operating income (loss)		
Cable TV	\$ (188,500)	\$ 908,982
Telco	(77,168)	(482,177)
Total operating income (loss)	<u>\$ (265,668)</u>	<u>\$ 426,805</u>

	December 31, <u>2017</u>	September 30, <u>2017</u>
Segment assets		
Cable TV	\$ 23,806,802	\$ 24,116,395
Telco	23,635,818	24,135,091
Non-allocated	<u>2,850,799</u>	<u>6,596,119</u>
Total assets	<u>\$ 50,293,419</u>	<u>\$ 54,847,605</u>

Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations.

Special Note on Forward-Looking Statements

Certain statements in Management's Discussion and Analysis (“MD&A”), other than purely historical information, including estimates, projections, statements relating to our business plans, objectives and expected operating results, and the assumptions upon which those statements are based, are “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). These forward-looking statements generally are identified by the words “estimates,” “projects,” “believes,” “plans,” “intends,” “will likely result,” and similar expressions. Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties which may cause actual results to differ materially from the forward-looking statements. These statements are subject to a number of risks, uncertainties and developments beyond our control or foresight, including changes in the trends of the cable television industry, changes in the trends of the telecommunications industry, changes in our supplier agreements, technological developments, changes in the economic environment generally, the growth or formation of competitors, changes in governmental regulation or taxation, changes in our personnel and other such factors. Our actual results, performance or achievements may differ significantly from the results, performance or achievement expressed or implied in the forward-looking statements. We do not undertake any obligation to publicly release any revisions to these forward-looking statements to reflect events or circumstances after the date of this report or to reflect the occurrence of unanticipated events.

Overview

The following MD&A is intended to help the reader understand the results of operations, financial condition, and cash flows of the Company. MD&A is provided as a supplement to, and should be read in conjunction with the information presented elsewhere in this quarterly report on Form 10-Q and with the information presented in our annual report on Form 10-K for the year ended September 30, 2017, which includes our audited consolidated financial statements and the accompanying notes to the consolidated financial statements.

The Company is reporting its financial performance based on its external reporting segments: Cable Television and Telecommunications. These reportable segments are described below.

Cable Television (“Cable TV”)

The Company’s Cable TV segment sells new, surplus and re-manufactured cable television equipment throughout North America, Central America and South America. In addition, this segment also repairs cable television equipment for various cable companies.

Telecommunications (“Telco”)

The Company’s Telco segment sells new and used telecommunications networking equipment, including both central office and customer premise equipment, to its customer base of telecommunications providers, enterprise customers and resellers located primarily in North America. In addition, this segment offers its customers decommissioning services for surplus and obsolete equipment, which it in turn processes through its recycling program.

Results of Operations

Comparison of Results of Operations for the Three Months Ended December 31, 2017 and December 31, 2016

Consolidated

Consolidated sales increased \$0.2 million before the impact of intercompany sales, or 2%, to \$12.3 million for the three months ended December 31, 2017 from \$12.1 million for the three months ended December 31, 2016. The increase in sales was in the Telco segment of \$1.0 million, partially offset by a decrease in the Cable TV segment of \$0.8 million. Consolidated gross profit decreased \$0.6 million, or 16%, to \$3.4 million for the three months ended

December 31, 2017 from \$4.0 million for the same period last year. The decrease in gross profit was in the Cable TV segment of \$1.1 million, partially offset by an increase in the Telco segment of \$0.5 million.

Consolidated operating, selling, general and administrative expenses include all personnel costs, which include fringe benefits, insurance and business taxes, as well as occupancy, communication and professional services, among other less significant cost categories. Operating, selling, general and administrative expenses remained flat at \$3.6 million for the three months ended December 31, 2017 compared to the same period last year. This was due to an increase of \$0.1 million in the Telco segment, offset by a decrease in the Cable TV segment of \$0.1 million.

Interest expense remained flat at \$0.1 million for the three months ended December 31, 2017 and 2016.

The provision for income taxes was \$0.3 million for the three months ended December 31, 2017 from a provision for income taxes of \$0.1 million for the three months ended December 31, 2016. The increase in the tax provision was due primarily to the Tax Cuts and Jobs Act enacted on December 22, 2017. One of the provisions of this legislation was to reduce the corporate income tax rates effective beginning January 1, 2018. As a result of the reduced corporate income tax rate, the Company remeasured its deferred tax balances at the reduced corporate income tax rate, which resulted in income tax expense of \$0.4 million. The Company estimates that its effective income tax rate for the remaining quarters of fiscal year 2018 will be approximately 27% as a result of the legislation.

Segment Results

Cable TV

Sales for the Cable TV segment decreased \$0.8 million to \$5.8 million for the three months ended December 31, 2017 from \$6.6 million for the same period last year. The decrease in sales was due to a decrease in refurbished equipment sales and repair service revenue of \$0.5 million each, partially offset by an increase in new equipment revenue of \$0.2 million. The decrease in the refurbished equipment sales was due primarily to an overall decrease in demand for the three months ended December 31, 2017 as compared to last year. The decrease in repair service revenue was due primarily to the loss of a significant repair customer in the quarter. As a result of this loss, the Company has closed two of its repair facilities and laid off personnel at its remaining repair facilities.

Gross margin was 21% for the three months ended December 31, 2017 compared to 37% for the same period last year. The decrease in gross margin was due primarily to a significant increase in volume for a new equipment sales customer with low margins.

Operating, selling, general and administrative expenses decreased \$0.1 million to \$1.4 million for the three months ended December 31, 2017 from \$1.5 million for the same period last year.

Telco

Sales for the Telco segment increased \$1.0 million to \$6.5 million for the three months ended December 31, 2017 from \$5.5 million for the same period last year. The increase in sales for the Telco segment was due to an increase in equipment sales and recycling revenue of \$0.7 million and \$0.3 million, respectively. The increase in Telco equipment sales was primarily due to Triton Datacom, which offset the continued lower equipment sales from Nave Communications. The Company is continuing to address the lower equipment sales at Nave Communications by restructuring and expanding its sales force, targeting a broader end-user customer base, increasing its sales to the reseller market and expanding the capacity of its recycling program.

Gross margin was 34% for the three months ended December 31, 2017 and 29% for the three months ended December 31, 2016. The increase in gross margin was due primarily to higher gross margins from equipment sales to end-user customers and our recycling program.

Operating, selling, general and administrative expenses increased \$0.1 million to \$2.2 million for the three months ended December 31, 2017 from \$2.1 million for the same period last year. This increase was due primarily to earn-out expenses related to the Triton Miami, Inc. acquisition of \$0.1 million.

Non-GAAP Financial Measure

Adjusted EBITDA is a supplemental, non-GAAP financial measure. EBITDA is defined as earnings before interest expense, income taxes, depreciation and amortization. Adjusted EBITDA as presented excludes other income, interest income and income from equity method investment. Adjusted EBITDA is presented below because this metric is used by the financial community as a method of measuring our financial performance and of evaluating the market value of companies considered to be in similar businesses. Since Adjusted EBITDA is not a measure of performance calculated in accordance with GAAP, it should not be considered in isolation of, or as a substitute for, net earnings as an indicator of operating performance. Adjusted EBITDA, as calculated below, may not be comparable to similarly titled measures employed by other companies. In addition, Adjusted EBITDA is not necessarily a measure of our ability to fund our cash needs.

A reconciliation by segment of operating income to Adjusted EBITDA follows:

	<u>Three Months Ended December 31, 2017</u>			<u>Three Months Ended December 31, 2016</u>		
	<u>Cable TV</u>	<u>Telco</u>	<u>Total</u>	<u>Cable TV</u>	<u>Telco</u>	<u>Total</u>
Income (loss) from operations	\$ (188,500)	\$ (77,168)	\$ (265,668)	\$ 908,982	\$ (482,177)	\$ 426,805
Depreciation	66,948	31,195	98,143	73,245	30,542	103,787
Amortization	—	313,311	313,311	—	311,986	311,986
Adjusted EBITDA (a)	\$ (121,552)	\$ 267,338	\$ 145,786	\$ 982,227	\$ (139,649)	\$ 842,578

- (a) The Telco segment includes earn-out expenses of \$0.1 million for the three months ended December 31, 2017 and acquisition-related costs of \$0.2 million for the three months ended December 31, 2016 related to the acquisition of Triton Miami, Inc.

Critical Accounting Policies

Note 1 to the Consolidated Financial Statements in Form 10-K for fiscal 2017 includes a summary of the significant accounting policies or methods used in the preparation of our Consolidated Financial Statements. Some of those significant accounting policies or methods require us to make estimates and assumptions that affect the amounts reported by us. We believe the following items require the most significant judgments and often involve complex estimates.

General

The preparation of financial statements in conformity with United States generally accepted accounting principles 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 revenues and expenses during the reporting period. We base our estimates and judgments on historical experience, current market conditions, and various other factors we believe to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results could differ from these estimates under different assumptions or conditions. The most significant estimates and assumptions are discussed below.

Inventory Valuation

Our position in the industry requires us to carry large inventory quantities relative to annual sales, but it also allows us to realize high overall gross profit margins on our sales. We market our products primarily to MSOs, telecommunication providers and other users of cable television and telecommunication equipment who are seeking products for which manufacturers have discontinued production or cannot ship new equipment on a same-day basis as well as providing used products as an alternative to new products from the manufacturer. Carrying these large inventory quantities represents our largest risk.

We are required to make judgments as to future demand requirements from our customers. We regularly review the value of our inventory in detail with consideration given to rapidly changing technology which can significantly affect

future customer demand. For individual inventory items, we may carry inventory quantities that are excessive relative to market potential, or we may not be able to recover our acquisition costs for sales that we do make. In order to address the risks associated with our investment in inventory, we review inventory quantities on hand and reduce the carrying value when the loss of usefulness of an item or other factors, such as obsolete and excess inventories, indicate that cost will not be recovered when an item is sold.

Our inventories consist of new and used electronic components for the cable television and telecommunications industries. Inventory is stated at the lower of cost or net realizable value, with cost determined using the weighted-average method. Net realizable value is the estimated selling prices in the ordinary course of business, less reasonably predictable costs of completion, disposal, and transportation. At December 31, 2017, we had total inventory, before the reserve for excess and obsolete inventories, of \$25.5 million, consisting of \$14.8 million in new products and \$10.7 million in used or refurbished products.

For the Cable TV segment, our reserve at December 31, 2017 for excess and obsolete inventory was \$2.5 million, which reflects an increase of \$0.2 million to reflect deterioration in the market demand of that inventory. If actual market conditions are less favorable than those projected by management, and our estimates prove to be inaccurate, we could be required to increase our inventory reserve and our gross margins could be materially adversely affected.

For the Telco segment, any obsolete and excess telecommunications inventory is generally processed through its recycling program when it is identified. However, the Telco segment identified certain inventory that more than likely will not be sold or that the cost will not be recovered when it is sold, and had not yet been processed through its recycling program. Therefore, we have a reserve of \$0.7 million at December 31, 2017. In the three months ended December 31, 2017, we increased the reserve, by \$11 thousand. We also reviewed the cost of inventories against estimated market value and recorded a lower of cost or net realizable value write-off of \$12 thousand for inventories that have a cost in excess of estimated net realizable value. If actual market conditions differ from those projected by management, this could have a material impact on our gross margin and inventory balances based on additional write-downs to net realizable value or a benefit from inventories previously written down.

Inbound freight charges are included in cost of sales. Purchasing and receiving costs, inspection costs, warehousing costs, internal transfer costs and other inventory expenditures are included in operating expenses, since the amounts involved are not considered material.

Accounts Receivable Valuation

Management judgments and estimates are made in connection with establishing the allowance for doubtful accounts. Specifically, we analyze the aging of accounts receivable balances, historical bad debts, customer concentrations, customer credit-worthiness, current economic trends and changes in our customer payment terms. Significant changes in customer concentration or payment terms, deterioration of customer credit-worthiness, or weakening in economic trends could have a significant impact on the collectability of receivables and our operating results. If the financial condition of our customers were to deteriorate, resulting in an impairment of their ability to make payments, an additional provision to the allowance for doubtful accounts may be required. The reserve for bad debts was \$0.2 million at December 31, 2017 and September 30, 2017. At December 31, 2017, accounts receivable, net of allowance for doubtful accounts, was \$5.3 million.

Goodwill

Goodwill represents the excess of purchase price of acquisitions over the acquisition date fair value of the net assets of businesses acquired. Goodwill is not amortized and is tested at least annually for impairment. We perform our annual analysis during the fourth quarter of each fiscal year and in any other period in which indicators of impairment warrant additional analysis. Goodwill is evaluated for impairment by first comparing our estimate of the fair value of each reporting unit, or operating segment, with the reporting unit's carrying value, including goodwill. Our reporting units for purposes of the goodwill impairment calculation are the Cable TV operating segment and the Telco operating segment.

Management utilizes a discounted cash flow analysis to determine the estimated fair value of each reporting unit. Significant judgments and assumptions including the discount rate, anticipated revenue growth rate, gross margins

and operating expenses are inherent in these fair value estimates. As a result, actual results may differ from the estimates utilized in our discounted cash flow analysis. The use of alternate judgments and/or assumptions could result in the recognition of different levels of impairment charges in the financial statements. If the carrying value of one of the reporting units exceeds its fair value, a computation of the implied fair value of goodwill would then be compared to its related carrying value. If the carrying value of the reporting unit's goodwill exceeds the implied fair value of goodwill, an impairment loss would be recognized in the amount of the excess. If an impairment charge is incurred, it would negatively impact our results of operations and financial position.

We performed our annual impairment test for both reporting units in the fourth quarter of 2017 and determined that the fair value of our reporting units exceeded their carrying values. Therefore, no impairment existed as of September 30, 2017.

We did not record a goodwill impairment for either of our two reporting units in the three year period ended September 30, 2017. However, we are implementing strategic plans to help prevent impairment charges in the future, which include the restructuring and expansion of the sales organization in the Telco segment to increase the volume of sales activity, and reducing inventory levels in both the Cable TV and Telco segments. Although we do not anticipate a future impairment charge, certain events could occur that might adversely affect the reported value of goodwill. Such events could include, but are not limited to, economic or competitive conditions, a significant change in technology, the economic condition of the customers and industries we serve, a significant decline in the real estate markets we operate in, a material negative change in the relationships with one or more of our significant customers or equipment suppliers, failure to successfully implement our plan to restructure and expand the Telco sales organization, and failure to reduce inventory levels within the Cable TV or Telco segments. If our judgments and assumptions change as a result of the occurrence of any of these events or other events that we do not currently anticipate, our expectations as to future results and our estimate of the implied fair value of each reporting unit also may change.

Intangibles

Intangible assets that have finite useful lives are amortized on a straight-line basis over their estimated useful lives ranging from 3 years to 10 years.

Liquidity and Capital Resources

Cash Flows Provided by Operating Activities

We finance our operations primarily through cash flows provided by operations, and we have a bank line of credit of up to \$7.0 million. During the three months ended December 31, 2017, we generated \$0.2 million of cash flows from operations. The cash flows from operations was favorably impacted by \$0.3 million from a net decrease in accounts receivable. The cash flows operations was negatively impacted by \$0.2 million from a net increase in inventory and \$0.2 million from a net decrease in accrued expenses, which primarily resulted from the first annual payment of the earn-out related to the acquisition of Triton Miami, Inc.

Cash Flows Used for Investing Activities

During the three months ended December 31, 2017, cash used in investing activities was \$0.7 million, which primarily related to guaranteed payments related to the acquisition of Triton Miami, Inc. of \$0.7 million.

Cash Flows Used for Financing Activities

During the three months ended December 31, 2017, we made principal payments of \$3.1 million on our term loans under our Credit and Term Loan Agreement with our primary lender. On December 6, 2017, as part of our overall plan to become compliant with our financial covenants with our primary financial lender, we extinguished one of our term loans by paying the outstanding balance of \$2.7 million plus a prepayment penalty of \$25,000. As a result, we were in compliance with our financial covenants at December 31, 2017.

Our first remaining term loan requires monthly payments of \$15,334 plus accrued interest through November 2021. Our second remaining term loan is a three year term loan with monthly principal and interest payments of \$118,809 through October 2019. The interest rate is a fixed rate of 4.40%.

At December 31, 2017, there was not a balance outstanding under our line of credit. The lesser of \$7.0 million or the total of 80% of the qualified accounts receivable plus 50% of qualified inventory is available to us under the revolving credit facility (\$7.0 million at September 30, 2017). Any future borrowings under the revolving credit facility are due at maturity on March 30, 2018, for which the Company expects to renew the revolving credit facility for at least one year.

We believe that our cash and cash equivalents of \$0.4 million at December 31, 2017, cash flow from operations and our existing line of credit provide sufficient liquidity and capital resources to meet our working capital and debt payment needs.

Item 4. Controls and Procedures.

We maintain disclosure controls and procedures that are designed to ensure the information we are required to disclose in the reports we file or submit under the Exchange Act, is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission. Based on their evaluation as of December 31, 2017, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures are effective to accomplish their objectives and to ensure the information required to be disclosed in the reports that we file or submit under the Exchange Act is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

PART II OTHER INFORMATION

Item 6. Exhibits.

Exhibit No.	Description
31.1	Certification of Chief Executive Officer under Section 302 of the Sarbanes Oxley Act of 2002.
31.2	Certification of Chief Financial Officer under Section 302 of the Sarbanes Oxley Act of 2002.
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.
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.
101.INS	XBRL Instance Document.
101.SCH	XBRL Taxonomy Extension Schema.
101.CAL	XBRL Taxonomy Extension Calculation Linkbase.
101.DEF	XBRL Taxonomy Extension Definition Linkbase.
101.LAB	XBRL Taxonomy Extension Label Linkbase.
101.PRE	XBRL Taxonomy Extension Presentation Linkbase.

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.

ADVANTAGE TECHNOLOGIES GROUP, INC.
(Registrant)

Date: February 13, 2018

/s/ David L. Humphrey
David L. Humphrey,
President and Chief Executive Officer
(Principal Executive Officer)

Date: February 13, 2018

/s/ Scott A. Francis
Scott A. Francis,
Chief Financial Officer
(Principal Financial Officer)

Exhibit Index

The following documents are included as exhibits to this Form 10-Q:

Exhibit No.	Description
31.1	Certification of Chief Executive Officer under Section 302 of the Sarbanes Oxley Act of 2002.
31.2	Certification of Chief Financial Officer under Section 302 of the Sarbanes Oxley Act of 2002.
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101.DEF	XBRL Taxonomy Extension Definition Linkbase.
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101.PRE	XBRL Taxonomy Extension Presentation Linkbase.

Exhibit 31.1

**CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO SECTION 302 OF THE
SARBANES-OXLEY ACT OF 2002**

I, David L. Humphrey, certify that:

1. I have reviewed this quarterly report on Form 10-Q of ADDvantage Technologies Group, 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 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 this 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 the registrant's board of directors (or persons performing 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.

Date: February 13, 2018

/s/ David L. Humphrey
David L. Humphrey
President and Chief Executive Officer

Exhibit 31.2

**CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO SECTION 302 OF THE
SARBANES-OXLEY ACT OF 2002**

I, Scott A. Francis, certify that:

1. I have reviewed this quarterly report on Form 10-Q of ADDvantage Technologies Group, 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 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 this 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 the registrant's board of directors (or persons performing the equivalent functions):
 - c. 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
 - d. 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.

Date: February 13, 2018

/s/ Scott A. Francis
Scott A. Francis
Chief Financial Officer

Exhibit 32.1

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of ADDvantage Technologies Group, Inc. (the “Company”) for the fiscal quarter ended December 31, 2017, as filed with the Securities and Exchange Commission on the date hereof (the “Report”) I, David L. Humphrey, President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (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 Company.

/s/ David L. Humphrey

Name: David L. Humphrey

Title: President and Chief Executive Officer

Date: February 13, 2018

Exhibit 32.2

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of ADDvantage Technologies Group, Inc. (the “Company”) for the fiscal quarter ended December 31, 2017, as filed with the Securities and Exchange Commission on the date hereof (the “Report”) I, Scott A. Francis, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (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 Company.

/s/ Scott A. Francis
Name: Scott A. Francis
Title: Chief Financial Officer
Date: February 13, 2018