Mace Security International, Inc.

Annual Information and Disclosure Statement

December 31, 2018

Forward-Looking Statements

Certain statements and information included in this Annual Information and Disclosure Statement constitute "forward-looking statements" within the meaning of the Federal Private Securities Litigation Reform Act of 1995. When used in this Annual Information and Disclosure Statement, the words or phrases "will likely result," "are expected to," "will continue," "is anticipated," "estimate," "projected," "intend to" or similar expressions are intended to identify "forward-looking statements" within the meaning of the Federal Private Securities Litigation Reform Act of 1995. Forward-looking statements are subject to a number of known and unknown risks and uncertainties that may cause our actual results, trends, performance or achievements, or industry trends and results, to differ materially from the future results, trends, performance or achievements expressed or implied by such forward-looking statements. Those risks and uncertainties may include, but are not limited to, (i) general economic and business conditions; (ii) competition; (iii) potential changes in customer spending; (iv) acceptance of our product offerings and designs; (v) the variability of consumer spending resulting from changes in domestic economic activity; (vi) a highly promotional retail environment; (vii) any significant variations between actual amounts and the amounts estimated for those matters identified as our critical accounting estimates, as well as other significant accounting estimates made in the preparation of our financial statements; and (viii) the impact of current and potential hostilities in various parts of the world, as well as other geopolitical concerns. You are urged to consider all such factors. In light of the uncertainty inherent in such forward-looking statements, you should not consider their inclusion to be a representation that such forward-looking matters will be achieved. Mace Security International, Inc. assumes no obligation for updating any such forward-looking statements to reflect actual results, changes in assumptions or changes in other factors affecting such forward-looking statements.

Part A General Company Information

Item 1 The exact name of the issuer and its predecessors (if any)

Mace Security International, Inc. (the "Company")

Item 2 The address of the issuer's principal executive offices

Mace Security International, Inc.
4400 Carnegie Avenue
Cleveland, OH 44103
Phone: (440) 424-5321
Fax: (216) 361-9555
Website: www.mace.com

Investor Relations: Gary Medved
Phone: (440) 424-5322
Email: gmedved@mace.com
Address: Same as above

Item 3 The jurisdiction(s) and date of the issuer's incorporation or organization

Mace Security International, Inc. is a Delaware corporation incorporated on September 1, 1993.

(Dollars in thousands, except share and per share amounts)

<u>Part B Share Structure</u>

Item 4 The exact title and class of securities outstanding

The Company has 63,054,834 shares of Common Stock outstanding at December 31, 2018. The Company's CUSIP number is 554335208. The Company's trading symbol is MACE.

Item 5 Par or stated value and description of the security

The par value of Common Stock is $0.01 per share. No shares of preferred stock are outstanding. Each holder of Common Stock of the Company has one vote in respect to each share of Common Stock held by that holder on all matters voted upon by our stockholders and is entitled to receive dividends only if and as declared by the Company's Board of Directors.

Certain provisions of our certificate of incorporation and our bylaws could delay, defer or prevent a change in control of the issuer including the following:

(i) Our board of directors has the exclusive right to fill vacancies and set the number of directors; and

(ii) Cumulative voting by our shareholders is not allowed.

Item 6 The number of shares or total amount of the securities outstanding for each class of securities authorized

Common Stock

(i)	Period end date:	December 31, 2018	December 31, 2017
(ii)	Number of shares authorized	100,000,000	100,000,000
(iii)	Number of shares outstanding	63,054,834	62,896,858
(iv)	Freely tradable (public float)	39,589,025	42,432,211
(v)	Total number of shareholders of record	82	81

The number of beneficial shareholders of Mace Security International, Inc. owning at least 100 shares exceeds 50.

Preferred Stock

(vi)	Period end date:	December 31, 2018	December 31, 2017
(vii)	Number of shares authorized	10,000,000	10,000,000
(viii)	Number of shares outstanding	-	-
(ix)	Freely tradable (public float)	-	-
(x)	Total number of shareholders of record	-	-

Item 7 The name and address of the transfer agent

American Stock Transfer & Trust Company, LLC
6201 15th Avenue
Brooklyn, New York 11219
Phone: (718) 921-8200 x4801 or (800) 9374-5449 x4801

The Company's transfer agent is registered under the Securities Exchange Act of 1934 and is an authorized transfer agent subject to regulation by the U.S. Securities and Exchange Commission.

Part C Business Information

Item 8 The nature of the issuer's business

A. Business Development

Mace Security International, Inc. was incorporated in the State of Delaware in 1993. The Company is a well known producer and distributor of less-lethal defense sprays, safety and security products, accessories and OC/tear gas deployment systems. The Company, through partnerships with several qualified organizations also conducts training programs for civilians and professionals who are responsible for the management and control of violent behavior in individuals. These programs encompass basic self defense, proper use of Mace® Brand pepper spray, as well as basic and specialized use of force and weapons training.

The Company believes it is one of the leading manufacturers and distributors of safety and security products to the consumer market. The Company was founded in Vermont in December 1987 under the name Mark Sport, Inc. by obtaining an exclusive license to produce and market defense sprays under the Mace® Brand trademark to the consumer market within the continental United States, and a non-exclusive license to market defense sprays outside of the continental United States. In 1992, this license was renegotiated to include a purchase option. The Company exercised its option to purchase the Mace® Brand trademark in December 1993, including all rights, title and interest to the Mace® Brand and related trademarks.

The Company changed its name to Mace Security International, Inc. in September 1993. In November 1993, prior to its initial public offering, it merged into a new company incorporated in the state of Delaware.

During the following two decades, the Company acquired various entities in the consumer safety product segment, including electronic surveillance equipment, law enforcement chemical product, and wholesale security monitoring businesses. In 1999, the Company merged with American Wash Services, Inc. and the Company became the first publicly traded national car wash chain.

In 1998, the Company sold its law enforcement chemical product business and the exclusive right to use the Mace® Brand when selling aerosol defense sprays to the law enforcement market.

In 2006, the Company decided to divest its Car Wash Segment. By September 2011, all but three of the Company's car wash facilities were sold. The Car Wash Segment ceased operations in August 2012. By late 2013, the Company had disposed of all former car wash facilities.

In December 2013, the Company completed the sale of its wholesale security monitoring business. In December 2015, the Company exited the electronic surveillance equipment business and in November 2016, the Company completed the sale of its electronic surveillance equipment business.

In March 2017, the Company completed the purchase of the business and substantially all related operating assets of Washington Laboratories, LLC, a custom manufacturer of high-quality defense spray products, for a total purchase price of approximately $3,443.

In October 2017, the Company completed the purchase of the business and substantially all related operating assets of Vigilant Personal Protection Systems, a top-rated personal security and home medical product ecommerce marketing business, for a total purchase price of approximately $1,063.

In January 2019, the Company acquired the assets of Tornado Security Products, a personal self-defense business based in Ferndale, Washington, for $175 of cash. The purchase price for the business and related assets is subject to an earn-out calculation providing for additional consideration of up to $175 cash, which may be paid out through January 2022.

During the immediately preceding three years and through the date of this information statement, other than as discussed above:

a.) The Company has not been involved as a debtor in any bankruptcy, receivership, or any similar proceeding;
b.) There have not been any material reclassifications, mergers, consolidations or purchase or sale of any significant amount of assets, other than as disclosed above;
c.) The Company has not defaulted on the terms of any note, loan, lease or other indebtedness or financing arrangement requiring the issuer to make payments;
d.) There has been no change in control of the Company, except as described in Note 17 to the Company's December 31, 2018 consolidated financial statements and are incorporated herein by reference from the Company's 2018 Annual Report filed separately through the OTC Disclosure and News Service, and available at www.otcmarkets.com.
e.) There has not been any increase of 10% or more in any class of securities of the Company;
f.) There has not been any past, pending or anticipated stock split, stock dividend, recapitalization, merger, acquisition, spin-off or reorganization;
g.) There has not been any delisting of the issuer's securities by any securities exchange or deletion from the OTC Bulletin Board; and
h.) The Company was not involved in any material or significant litigation.

The Company's securities qualified for trading on the OTCQX Markets and commenced such trading on February 16, 2017.

The Company's fiscal year end is December 31.

B. Business of the Issuer

Mace Security International, Inc., located in Cleveland, Ohio, is a manufacturer and distributor of personal defense and security products to retailers and consumers under the world renowned Mace® Brand. Mace® Brand is the original trusted brand for personal defense sprays. The Company continuously adds high quality security products to the brand line.

The Company distributes and supports its branded products through strategically targeted customer channels, which include mass market retailers, wholesale distributors, independent dealers, e-commerce platforms and e-commerce marketers. The Company also sells its branded products on its websites, www.mace.com and www.vigilantpps.com

Defense sprays are sold in the law enforcement market under the TakeDown® Brand. Personal alarms and related products are sold under the Vigilant ® Brand

The Company's SIC Code is 3999, Manufacturing Industrial, not elsewhere classified.

(Dollars in thousands, except share and per share amounts)

The Company is not a "shell company". For purposes of this disclosure, a "shell company" means an issuer, other than a business combination related shell company, as defined by Securities Act Rule 405, or an asset-backed issuer, as defined by Item 1101(b) of Regulation AB that has:

(1) No or nominal operations; and
(2) Either:
    a. No or nominal assets;
    b. Assets consisting solely of cash and cash equivalents; or
    c. Assets consisting of any amount of cash and cash equivalents and nominal other assets.

The Company's subsidiaries are listed below:

Company Name	% of Ownership	State of Incorporation
Mace Trademark Corp.	100%	Delaware
Mace Trademark II, Inc.	100%	Delaware
Mace Tactical Solutions LLC	100%	Ohio

The Company did not spend any material dollar amounts on research and development activities during the last two fiscal years. There is no material effect on the Company to comply with existing and, to the Company's knowledge, probable applicable governmental regulations of its business, including any governmental approvals, or the costs and effects of compliance with federal, state and local environmental laws.

At December 31, 2018, the Company employed 37 employees, of whom 36 were full-time employees, plus 4 full-time temporary employees provided by employment services.

Item 9 The nature of products or services offered

A. Principal products or services, and their markets

Mace® Brand pepper spray products are designed to allow one to defend oneself at a safe distance outside the arm's reach of an attacker, giving one the chance to escape with time to reach safety. Pepper spray is commonly referred to as OC spray, since it is made from Oleoresin Capsicum, a natural ingredient derived from hot peppers. Pepper spray is powerful enough to temporarily impair an attacker when coming into contact with their eyes, nose and mouth. Mace® Brand pepper sprays are formulated to be a safe, effective, and less-than-lethal means of personal defense that is legal to use in all 50 states of the United States of America. Pepper spray is packaged in a variety of containers designed for various applications.

Mace® Brand pepper sprays come in pocket, personal, sport and police models and in a variety of colors and styles. The very popular Mace® Brand Hot Pink line is a maximum strength pepper spray and UV dye that comes in a variety of models for those who prefer to carry personal protection in stylish pink. The Mace® Brand KeyGuard Pepper Sprays come in a variety of models and colors, all with compact designs and key rings, so the pepper spray can be conveniently kept ready at hand. Most Mace® Brand pepper spray units come with either a hinged safety cap that flips open to reveal the actuator button or a twist-lock safety cap trigger that is quickly locked and unlocked with a simple thumb turn.

Mace® Brand Triple Action combines OC pepper spray, UV dye and tear gas to create a self-defense product that induces profuse tearing, shortness of breath, and disorients the attacker. The advantage of Mace® Brand Triple Action is that the spray does not necessarily have to hit the attacker directly in the face. The tear gas will quickly start to affect the attacker even if the spray hits some other part of the attacker.

Mace® Brand Muzzle® defense sprays are specifically formulated to meet United States EPA regulations for effective and humane defense against dog aggression and threatening bear encounters. Whether one is jogging, bike riding, walking the dog, hiking or camping, Muzzle® defense sprays are the ideal deterrent for fending off animal attacks. The Company markets bear spray under the Mace® and Guard Alaska ® Brands.

Mace® Brand Pepper Gel® Distance Defense Sprays combine the maximum strength formula of OC Pepper and invisible UV marking dye with the added sticking power of Mace® Brand Gel Stream Technology. This ultimate pepper gel formula outperforms conventional pepper sprays by delivering extreme stopping power that temporarily blinds an attacker from up to 25 feet away. Mace® Brand Pepper Gel® Distance Defense Sprays' unique formula also reduces the risk of cross-contamination and blow back in windy conditions.

The Mace® Brand Pepper Gun® provides distance defense with convenient point-and-shoot accuracy. The advance delivery system sprays a power stream of OC pepper up to 20 feet and from any angle. The Company also manufactures and distributes easy-to-load refill cartridges.

The Company manufactures and distributes the Mace® Brand Water Trainer. Spraying the water trainer at a target or trained professional will simulate spraying actual pepper spray without the effects of pepper spray. The Water Trainer comes in the original Mace® Brand Flip & Grip model, which is designed to be fumble-free, safe and easy to use.

In addition to pepper sprays, the Company distributes a line of portable personal alarms and stun guns for personal protection. Personal alarms marketed under the Mace® and Vigilant® Brands operate reliably with just a push of a button or a pull of a strap. Mace® Brand stun guns are compact and powerful. They come in a variety of designs and voltages. Stun guns include bright LED lights, on/off safety switches and charging options. These products are made by Asian suppliers to the Company's specifications.

The Mace® Brand Utility and Tactical Knives features high quality stainless steel combination serrated and straight sharp blade along with a seat belt cutting tool and window breaking tool. The integrated belt clip allows for convenient carry.

The Company provides retailers with official point-of-purchase displays and in-store signage to help retailers boost sales of Mace® Brand products. This includes floor displays, header cards and clip strips, and countertop displays.

Take Down® Brand is a line of OC pepper and tear gas sprays manufactured by the Company for law enforcement, military and security personnel. Take Down® sprays are available in canisters using omni-directional technology. Take Down® Omni units will deploy and deliver a consistent stream from any angle. Take Down ® Extreme OC is a unique gel formula that outperforms conventional OC sprays. The maximum strength 1.4% capsaicinoids concentration is suspended in a sticky gel that sprays farther and sticks on contact to minimize cross-contamination. When used indoors, there is less chance of contaminating the surrounding areas or affecting bystanders. When used outdoors, it reduces the chance of blowback in windy conditions. The non-flammable formula will not ignite with stun guns or similar electronic devices. Take Down® OC-CS blends are pepper sprays with the added power of CS tear gas in streams or foggers. Stoppa Red products contain a bright red color non-irritant dye that stains skin and clothing that assists with identification. Take Down® inert trainers are available in all spray patterns for training and demonstration purposes.

The Company's TG Guard Security Protection System is operated through a secure remote console to selectively deploy a tear gas agent in an area where a disruption is occurring. The TG Guard System deploys a powerful tear gas deterrent agent from single or multi-fixture dispensers. The fixtures are tamper resistant and inaccessible to the general population.

The Company's Mace® Alert 911 device provides peace of mind that comes with knowing help is available in any emergency situation. With just the touch of a button, one is immediately connected in a free two-way call to a local 911 emergency dispatcher. There are no monthly fees and no contract with a cellular company is required. The device runs on easy to replace batteries.

The Company also is a quality custom manufacturer of pepper spray defense products to its customers' exact requirements.

B. Distribution methods of the products or services

Mace Security International, Inc. sells its products to customers in North and South America, Europe, Asia and Africa using both in-house salespersons and independent sales representatives. The Company's primary distribution channels are:

a. Sporting goods retailers, buying groups and distributors,
b. Mass merchant retailers,
c. Hardware retailers,
d. Auto parts retailers,
e. E-commerce websites
f. General merchandise retailers,
g. On-line store operators,
h. Tactical product distributors,
i. Law enforcement, correctional institutions and military markets,
j. International distributors and dealers, and
k. The Company's websites www.mace.com and www.vigilantpps.com .

C. Status of any publicly announced new product or service

In December 2014, the Company announced its intention to supply a line of less lethal munitions to its law enforcement, corrections and military customers through its subsidiary Mace Tactical Solutions, LLC. The launch of these products was initially delayed due to the Company's selected supplier encountering changes in regulatory requirements related to storage and certification of such products. The Company entered into a supply agreement with another supplier and began offering less lethal munition products for sale in 2018.

In June 2016, The Company announced entering into a partnership with Select Security to sell self-installed security systems under the Mace® Brand. The Company decided in 2018 to no longer pursue this initiative.

D. Competitive business conditions, the issuers competitive position in the industry, and methods of competition

Mace® Brand is the number one recognized brand in safety and security. In a study done by Balance, Inc. in 2013, just over half (51%) of the consumers participating in the study said they own Mace® Brand pepper spray. Pepper Shot (13%), Sabre (9%) and American Defender (8%) were the next common brands owned. The pepper spray industry is fragmented. A number of companies manufacture pepper spray under their own brands or using their customers' brand names, including Security Equipment Corporation, Aerko International and UDAP Industries, Inc., A number of companies distribute pepper spray product produced by others under their brand names including Fox Labs, Sturm, Ruger & Co., Inc., and Tornado Security Products.

E. Sources and availability of raw materials and the names of principal suppliers

The Company's defense sprays are made at its Cleveland, Ohio facility, using components provided by both domestic and international suppliers, and by select high-quality manufactures in North America and Asia. In addition to finished pepper spray product, the company sources components such as oleoresin capsicum concentrate, drawn aluminum tubes, valves, plastic components and packing material. The Company does not have any long-term supply contracts with its suppliers. The items that the Company sources from its suppliers are generally available from multiple sources.

F. Dependence on one or a few major customers

At December 31, 2018, four customers accounted for 14%, 13%, 12% and 12% of the net accounts receivable balance. At December 31, 2017, two customers accounted for 28% and 11% of the net accounts receivable balance. During the year ended December 31, 2018, three customers accounted for 16%, 16%, and 10% of the Company's net sales. During the year ended December 31, 2017, three customers accounted for 14%, 13% and 11% of the Company's net sales.

G. Patents, trademarks, licenses, franchises, concessions, royalty arrangements or labor contracts, including their duration

The Company owns more than three (3) dozen trademarks, including the Mace® Brand name, which have an original length of ten (10) years and are generally renewable for additional ten (10) year periods.

The Company does not own or lease any franchise, nor is it subject to any concessions or significant royalty payments.

The Company has entered into agreements with several companies providing for the right to use one or more of the Company's trademarks. To date, such agreements have not generated significant royalty income for the Company.

The Company's workforce is not subject to collective bargaining.

(Dollars in thousands, except share and per share amounts)

H. The need for any governmental approval of principal products or services and the status of such of any requested government approvals

The Company's subsidiary, Mace Tactical Solutions LLC has a Federal Explosives License – Manufacturer of Explosives. This license expires April 1, 2021 and is renewable. The Company's subsidiary, Mace Tactical Solutions LLC also has a Federal Firearms License – Manufacturer of Destructive Devices. This license expires May 1, 2021 and is renewable. Bear spray manufacturing requires a United States Environmental Protection Agency license ("EPA License"). The Company obtained a bear spray EPA License as part of its March 2017 acquisition. The Company procures some of its bear spray from a supplier that has an EPA License. Alternative sources for bear spray product exist.

Item 10 The nature and extent of the issuer's facilities

The Company's operations are conducted in a leased 49,204 square feet building located at 4400 Carnegie Avenue, Cleveland, Ohio 44103. The lease commenced April 1, 2013 with an initial term of 10 years and 3 months, with options to renew for three (3) additional five (5) year terms through 2038. The Company also leases a 4,400 square foot building located in Perry, FL 32348. This lease commenced June 1, 2018 with an initial three (3) year term, with options to renew for two (2) additional three (3) year terms through 2027.

Part D Management Structure and Financial Information

Item 11 The name of the chief executive officer, members of the board of directors, as well as control persons

A. Directors and Executive Officers

1. Directors

The directors of the Company, as well as certain information about them, as of December 31, 2018 are presented in the following table.

Name	Position with Company	Director Since
Denis J. Amato	Director	2011
Richard A. Barone	Director	2009
Terrance W. Gainer	Director	2015
George C. Gehrisch, Jr.	Director and Executive Chairman	2018
John J. McCann	Director, President and Chief Executive Officer	2012
Cheryl McMillan	Director	2018
Sanjay Singh	Director and Executive Vice-Chairman	2018

Effective January 19, 2019, John J. McCann resigned from the Company's Board of Directors and as President and Chief Executive Officer due to personal and professional reasons. Gary Medved was appointed President and Chief Executive Officer.

All correspondence to the Company's directors may be mailed to the Company's Corporate Headquarters at 4400 Carnegie Avenue, Cleveland, Ohio 44103.

Biographical information for each director appears below.

Denis J. Amato, age 73, has ownership in the Ancora Funds. Mr. Amato was a Director of Microcap Equities for Ancora Advisors LLC. Mr. Amato has also been a Director of the Ancora Group. He was the Chief Investment Officer of The Ancora Group, Inc. and Ancora Advisors LLC from 2006 to 2012.

Richard A. Barone, age 77, is Chairman of the Arch Eagle Group, Inc. including the Arch Eagle Foundation. Since 2013, he is the Chairman Emeritus of The Ancora Group, which includes Ancora Advisors, LLC; and Investment Advisor to Merlin Partners, LLC and the Ancora Funds. Mr. Barone is an Emeritus Director for the Cleveland State University Foundation; Director of Hospice of the Western Reserve; Director of Brentwood Hospital; Chairman of the Museum of American Porcelain Art and Chairman and CEO of Evergreen Expedition Group.

Terrance W. Gainer, age 71, is a business development and security consultant for a number of international companies, including Underwriters Laboratories, Securitas and the United States Department of Justice since 2014 to the present. Previously, Mr. Gainer was the Sergeant-at-Arms for the United States Senate from 2006 to 2014. Mr. Gainer also served as the Chief of the United States Capitol Police; Executive Assistant Chief of Police, Metropolitan Police Department, Washington D.C. and Director of the Illinois State Police from 1991 to 2006. Chief Gainer served 20 years with the Chicago Police Department in operational administrative positions, including as the Department Chief Legal Officer. An accomplished attorney, Mr. Gainer has served as a Director of Research Strategies Network; member of the Executive Committee International Association of Chiefs of Police, Youth Leadership Foundation; Director of National Auto Theft Bureau; and Chairman of the Illinois Motor Vehicle Theft Prevention Council.

John J. McCann, age 55, is President and Chief Executive Officer of the Company since 2012. He has served as President and Chief Executive Officer of Fitness Quest, Inc. (a privately-owned company that distributes and markets home exercise and fitness products) from 2009 to 2011. From 2002 to 2009 he was President and Chief Executive Officer of Saeco USA, Inc. (a privately-owned company that distributes and markets coffee brewing appliances). Mr. McCann also served as Executive Vice-President of Sales for Delonghi America, Inc. (a distributor and marketer of small appliances) from 1999 to 2002. Mr. McCann currently serves on the Board of Directors of the Northeast Ohio Region of the American Red Cross and The Centers. Effective January 19, 2019, John J. McCann resigned from the Company's Board of Directors and as President and Chief Executive Officer due to personal and professional reasons.

Cheryl McMillan CPA-Retired, age 58, has been a Vistage Chair for 13 years. As a Vistage Chair, she leads two groups of non-competing business executives: one group of CEOs, Presidents and Business Owners, and one group of Senior Executives who report directly to them. Prior to joining Vistage, she had over 25 years of broad business experience, including being a President, CFO and board member of a strategic alliance for a group of 18 non-related owners; helping found a $10 million pharmacy; and leading the integration of the business functions for a new acquisition in a $20 million public health care company. She is an active member of Friends of the Summit Board of Directors and is a former Treasurer of a non-profit board and founding chair of its foundation.

George C. Gehrisch, Jr., age 57, was appointed to the Company's Board of Directors on March 9, 2018 and is the Chairman and Chief Executive Officer of RKI, Inc., d/b/a Roll-Kraft, headquartered in Mentor, OH. Roll-Kraft is an innovative supplier of tube and pipe tooling and roll forming tooling used by manufacturers around the world to produce thousands of products. Prior to being appointed to his current position, Mr. Gehrisch led Roll-Kraft as its President for more than 20 years. Mr. Gehrisch has led Roll-Kraft to actively focus on the goal of providing customers with 100% on-time deliveries and first-time performance. Through his leadership the company has become known around the world as an industry leader and for its superior service and reliable quality tooling.

(Dollars in thousands, except share and per share amounts)

Sanjay Singh, age 52, was appointed to the Company's Board of Directors on March 9, 2018 and is the President of RKI, Inc., d/b/a Roll-Kraft, headquartered in Mentor, OH. Roll-Kraft is an innovative supplier of tube and pipe tooling and roll forming tooling used by manufacturers around the world to produce thousands of products. At Roll-Kraft, Mr. Singh directs and leads the company's efforts to excel in operational efficiencies and market penetration. He has most recently sharpened the company's continuous improvement focus to meet the company's goals of 100% on-time delivery and first-time performance. Mr. Singh also leads the company's private investment initiatives in lower middle market companies located in northeast Ohio. Mr. Singh has held various financial executive leadership roles in Fortune 1000, privately held and private equity backed portfolio companies across various industries, including consumer products, manufacturing and service. Mr. Singh currently serves as an advisor to the Boards of two non-profit organizations and a technology startup.

2. Executive Officers

The executive officers of the Company, as well as certain information about them, as of December 31, 2018 are presented in the following table.

Name	Position with Company	Officer Since
John J. McCann	Director, President and Chief Executive Officer	2012
Carl R. Smith	Senior Vice President Corporate Finance	2012

Effective January 19, 2019, John J. McCann resigned from the Company's Board of Directors and as President and Chief Executive Officer due to personal and professional reasons. Gary Medved was appointed President and Chief Executive Officer. Effective January 16, 2019, Carl R. Smith assumed the Vice President – Operations responsibilities and Mark Barrus was appointed Senior Vice-President, Chief Financial Officer and Secretary.

All correspondence to the Company's executive officers may be mailed to the Company's Corporate Headquarters at 4400 Carnegie Avenue, Cleveland, Ohio 44103.

Biographical information for each executive officer not already described herein appears below.

Carl R. Smith, age 57, was the Chief Financial Officer, Treasurer, and Secretary of Saeco USA, Inc., a privately-owned company that distributes and markets coffee brewing appliances, from 2003 to 2012. Mr. Smith also served as VP of Operations for Saeco from 2007 to 2012. Saeco USA was a wholly owned subsidiary of Saeco International Group which was headquartered in Bologna, Italy. From 2001 to 2003, he was Plant Controller for SIFCO Forge Group, a division of SIFCO Industries (NYSE:SIF), a specialized manufacturer of forged components servicing a variety of markets. From 1988 to 2001, Mr. Smith worked for Mr. Coffee, Inc., holding various positions including Assistant Corporate Controller and Division Controller.

Mark Barrus, age 58, served as Vice President and Treasurer of Covia, a publicly-traded mining and minerals company formed by the merger between Fairmont Sanitrol and Unimin in 2018. At Covia, he led the corporate treasury function, overseeing capital structuring and cash forecasting, while serving as a member of the corporate merger integration team. His strong background also includes senior accounting, finance, tax and treasury roles at FMSA Holdings, Inc. (Fairmont Santrol) and NACCO Industries, Inc., and he was a partner in the accounting firms of KPMG LLP and Arthur Andersen LLP.

(Dollars in thousands, except share and per share amounts)

3. Equity Ownership of Directors and Executive Officers

Please see part D, Item 14 below.

4. Compensation of Directors and Executive Officers

The following table presents information concerning the compensation paid during the year ended December 31, 2018 by the Company to its directors and executive officers as a group.

Name	Year	Salaries ($)	Bonus ($)	Stock Option Awards	All Other Compensation ($) (2)
Non-employee Directors (9 in total) (1)	2018	-	-	525,000	$70
Executive Officers (2 in total) (3)	2018	$459	$24	-	$33

(1) In 2018, Directors who are employed by the Company do not receive any separate compensation for service on the Board of Directors. Non-employee Directors received a quarterly retainer of $3,000. In addition, non-employee Directors received an annual stock option award of up to 100,000 stock options. Director compensation is prorated for the period served.

(2) The Company reimburses directors' travel, lodging and other reasonable out-of-pocket expenses in connection with attendance at Board, Committee and Shareholder meetings. These amounts are not included in the table above.

(3) The Company has determined that compensation information regarding the executive officers as a group is, given the modest aggregate amounts in every category, sufficient to an understanding of the Company and that providing confidential information as to each individual executive officer would not contribute materially to an understanding of the Company. Both executive officers have Employment Agreements with the Company.

B. Legal/disciplinary history

None of the current directors and executive officers of the Company have, in the last five years, been the subject of (1) a conviction in a criminal proceeding or named as a defendant in a pending criminal proceeding (excluding traffic violations and other minor offenses); (2) the entry of an order, judgment or decree, not subsequently reversed, suspended or vacated, by a court of competent jurisdiction that permanently or temporarily enjoined, barred, suspended or otherwise limited such person's involvement in any type of business, securities, commodities and banking activities; (3) a finding or judgment by a court of competent jurisdiction (in a civil action), the SEC, the Commodity Futures Trading Commission or a state securities regulator of a violation of federal or state securities or commodities law, which finding or judgment has not been reversed, suspended or vacated, or (4) the entry of an order by a self-regulatory organization that permanently or temporarily barred, suspended or otherwise limited such person's involvement in any type of business or securities activities.

C. Disclosure of family relationships

None.

D. Disclosure of related party transactions

The information required by this item is included in Note 16 to the Company's December 31, 2018 consolidated financial statements and are incorporated herein by reference from the Company's 2018 Annual Report filed separately through the OTC Disclosure and News Service, and available at www.otcmarkets.com.

E. Disclosure of conflicts of interest

None.

Item 12 Financial information for the issuer's most recent fiscal period

The Company's audited consolidated financial statements for the year ended December 31, 2018 are incorporated herein by reference from the Company's 2018 Annual Report filed separately through the OTC Disclosure and News Service, and available at www.otcmarkets.com. The audited consolidated financial statements include the following reports:

1. Independent Auditors' Report
2. Consolidated Balance Sheets
3. Consolidated Statements of Operations
4. Consolidated Statements of Comprehensive Loss
5. Consolidated Statements of Stockholders' Equity
6. Consolidated Statements of Cash Flows
7. Notes to Consolidated Financial Statements

Item 13 Similar financial information for such part of the two preceding fiscal years as the issuer or its predecessor has been in existence

The Company's audited consolidated financial statements for the years ended December 31, 2017 and 2016 are incorporated herein by reference from the Company's 2017 Annual Report filed separately through the OTC Disclosure and News Service, and available at www.otcmarkets.com. The audited consolidated financial statements include the following reports:

1. Independent Auditors' Report
2. Consolidated Balance Sheets
3. Consolidated Statements of Operations
4. Consolidated Statements of Comprehensive Income (Loss)
5. Consolidated Statements of Stockholders' Equity
6. Consolidated Statements of Cash Flows
7. Notes to Consolidated Financial Statements

(Dollars in thousands, except share and per share amounts)

Item 14 Beneficial owners

The following table sets forth, as of December 31, 2018, the equity ownership of (a) all persons or groups known by the Company to be the beneficial owners of 5% or more of its outstanding Common Stock and (b) all of the Company's directors and executive officers as a group. Because beneficial owners are not required to disclose their ownership interests publicly or to the Company, we may only rely on public sources and reports made directly to us when determining beneficial ownership, and, as a result, there may be other beneficial owner(s) of more than 5% of the Company's Common Stock that are not included in the following table.

Principal Beneficial Owners of Shares (2)			
Name of Beneficial Owner	**Relationship to Issuer**	**Amount and Nature of Beneficial Ownership (1)**	**Percent of Class (1)**
All Directors and Executive Officers as a Group (8 in total)	Directors and Executive Officers	4,898,840	7.8%
Macnfac, LLC	Shareholder	12,857,143	20.4%
Lawndale Capital Management, LLC	Shareholder	6,999,971	11.1%
Merlin Partners LP	Shareholder	4,527,418	7.2%

(1) The Company has determined that beneficial ownership information regarding all directors and executive officers is sufficient to an understanding of the Company and the degree to which management has a stake as shareholders of the Company. 1,487,106 shares for the directors and executive officers as a group represent shares which could be acquired within 60 days after March 15, 2019 by exercise of stock options.

(2) Represents the Company's reasonable good faith effort to calculate beneficial ownership based on the Company's and transfer agent's records.

Item 15 The name, address, telephone number, and email address of each of the following outside providers that advise the issuer on matters relating to operations, business, development and disclosures

A. Investment Banker

None

B. Promoters

None

C. Counsel

Clark Hill PLC
c/o Cynthia M. Filipovich
500 Woodward Avenue, Suite 3500
Detroit, Michigan 48226-3435
(313) 965-8387
cfilipovich@clarkhill.com

D. Auditor

Preparation of the Company's financial statements is the responsibility of the Company's management. The Company's independent audit firm, Skoda Minotti & Co., is responsible for expressing an opinion on the Company's financial statements based on its audit.

Skoda Minotti & Co. auditing staff holds a wide range of certifications including certified public accountant (CPA) and accredited in business valuation (ABV).

Auditor contact information:

Skoda Minotti & Co.
c/o Ryan Siebel, Partner
6685 Beta Drive
Mayfield Village, Ohio 44143
(440) 449-6800
rsiebel@skodaminotti.com

E. Public Relations Consultant(s)

None

F. Investor Relations Consultant

None

G. Any other advisor(s) that assisted, advised, prepared or provided information with respect to this disclosure statement

None

Item 16 Management's discussion and analysis or plan of operation

A. Plan of operation

This item is not applicable, as the Company has had revenues in each of the last two fiscal years.

B. Management's discussion and analysis of financial condition and results of operations (amounts in thousands, except share and per share amounts)

Mace Security International, Inc. currently operates in one business segment, the Security Segment, which manufactures and distributes consumer safety and personal defense products to retailers, distributors, and individual consumers. The Company also supplies less-lethal tactical munitions and weapons systems for law enforcement, correctional institutions and military markets.

In December 2015, the Company exited the electronic surveillance equipment market. In November 2016, the Company completed the sale of its electronic surveillance equipment business, consisting of inventory and a customer list. The financial results of the electronic surveillance business for the year ended December 31, 2017 were reported in discontinued operations and, accordingly, have been segregated from the revenues and expenses discussions below.

(Dollars in thousands, except share and per share amounts)

In March 2017, the Company completed the purchase of the business and substantially all related operating assets of Washington Laboratories, LLC, a custom manufacturer of high quality defense spray products. In October 2017, the Company completed the purchase of the business and substantially all related operating assets of Vigilant Personal Protection Systems, a top rated personal security and home medical product ecommerce marketing business. The results of operation of the acquired businesses from the date of acquisition are included in the Company's consolidated statements of operation.

Fiscal Year 2018 compared with Fiscal Year 2017

Net sales

On March 22, 2017, the Company completed the purchase of the business and substantially all related operating assets of Washington Laboratories, LLC, a producer of high-quality defense spray products. The Company's net sales for the year ended December 31, 2017 include net sales from the acquired business from the date of its acquisition of $1,697. On October 19, 2017, the Company completed the purchase of the business and substantially all related operating assets of Vigilant Personal Protection Systems, a top-rated personal security and home medical product ecommerce marketing business. The Company's net sales for the year ended December 31, 2017 include net sales from the acquired business from the date of its acquisition of $470. Net sales in fiscal 2018 increased by 15.1% to $11,489, compared with $9,983 in fiscal 2017.

Net sales comparative information for fiscal 2018 and 2017, respectively, is as follows:

Net Sales by Type of Customer	Year Ended December 31, 2018	Year Ended December 31, 2017	Increase (Decrease)
Consumer	$ 9,662	$ 8,190	$ 1,472
Tactical	679	697	(18)
International	981	950	31
Other	167	146	21
Total	$ 11,489	$ 9,983	$ 1,506

The net increase in consumer distribution channel net sales in the year ended December 31, 2018, compared with the same period in 2017, is primarily attributable to sales from the e-commerce business acquired in 2017, as well as increased sales to existing customers. Tactical and International distribution channel net sales in the year ended December 31, 2018 were comparable to net sales in the same period in 2017.

Cost of goods sold

Cost of goods sold increased in fiscal 2018 by 27.8% to $7,133, or 62.1% of net sales, compared with $5,580, or 55.9% of net sales, in fiscal 2017, primarily due to the 15.1% increase in net sales. Cost of goods sold as a percentage of net sales was negatively impacted by promotional product pricing at certain key accounts, as well as by a $371 provision for excess/obsolete inventory in 2018.

(Dollars in thousands, except share and per share amounts)

Gross profit

Gross profit decreased $47, or 1.1%, to $4,356 or 37.9% of net sales, during fiscal 2018, compared with $4,403, or 44.1% of net sales, in fiscal 2017, primarily due to increased revenues offset by higher cost of goods sold as a percentage of net sales.

Selling, general and administrative expenses

Selling, general and administrative expenses increased by $633 to $4,754, or 41.4% of net sales, during fiscal 2018, compared with $4,121, or 41.3% of net sales in fiscal 2017. The following table presents the significant expense items causing the increase in selling, general and administrative expenses in the year ended December 31, 2018, compared with the same period in 2017.

Selling, General and Administrative Expense Categories	**Increase (Decrease)**
Salaries and related employee benefits increase primarily attributable to the hiring of additional sales personnel	$ 153
Commission expense decrease attributable to lower commissionable net sales	(51)
Legal and other discretionary professional services expense increase	60
Advertising expense increase primarily attributable to higher e-commerce related advertising expenditures	283
Increase in e-commerce fulfillment fees	222
Other factors	(34)
Total	$ 633

Depreciation

Depreciation expense in fiscal 2018 increased $7 to $195, compared with $188 in fiscal 2017, due the purchase of property and equipment.

Interest income

Interest income decreased $11 in fiscal 2018 to $85, compared with $96 in fiscal 2017, due primarily to a decrease in investment income due to the liquidation of a portion of the Company's short-term investments to fund the 2017 acquisitions.

Amortization of intangible assets

Amortization of intangible assets relates to the amortization of intangible assets associated with the Company's 2018 acquisitions.

Provision for note receivable allowance

In 2018, Security Partners, LLC defaulted on its note to the Company. The Company, upon consideration of the financial information that was available to it regarding Security Partners, LLC, determined that there is a risk that the principal amount and related accrued interest may not be fully recoverable. As a result, an allowance of $706 was established through an impairment charge on the note receivable and accrued interest.

Effective December 17, 2018, the Company agreed to the transfer of a note receivable and of the rights and obligations arising from the original November 2016 sale agreement with SecureCheck LLC to Aegis Security, LLC, leaving SecureCheck, LLC obligated on the note receivable on a co-borrower basis.

In March 2019, Aegis Security, LLC and SecureCheck, LLC defaulted on the note to the Company. The Company, upon consideration of the events culminating in the debtors' response to their default, determined that the principal amount may not be fully recoverable. As a result, an allowance of $358 was established through an impairment charge on the note receivable.

Loss from continuing operations

Loss from continuing operations increased by $1,903 to a loss of $1,946 in fiscal 2018, compared to a loss from continuing operations of $43 in fiscal 2017, due primarily to the factors noted above.

Loss from discontinued operations

Loss from discontinued operations was $0 and a loss of $22 in fiscal 2018 and 2017, respectively. In 2016, the Company completed the sale of its electronic surveillance equipment business.

Net loss

Net loss in fiscal 2018 was $1,946, compared with a net loss of $65 in fiscal 2017. Net loss increased in 2018, compared with fiscal 2017, due to the $1,064 note receivable write-down, $61 loss on disposal of property and equipment, which is primarily related to the enhancement of the Company's website, $94 full year impact of amortization of intangible assets, a $371 provision of excess and obsolete inventory, and the impact of promotional pricing on gross profit.

(Dollars in thousands, except share and per share amounts)

Fiscal Year 2017 compared with Fiscal Year 2016

Net sales

On March 22, 2017, the Company completed the purchase of the business and substantially all related operating assets of Washington Laboratories, LLC, a producer of high-quality defense spray products. The Company's net sales for the year ended December 31, 2017 include net sales from the acquired business from the date of its acquisition of $1,697. On October 19, 2017, the Company completed the purchase of the business and substantially all related operating assets of Vigilant Personal Protection Systems, a top-rated personal security and home medical product ecommerce marketing business. The Company's net sales for the year ended December 31, 2017 include net sales from the acquired business from the date of its acquisition of $470. Net sales in fiscal 2017 increased by 10.3% to $9,983, compared with $9,054 in fiscal 2016. Net sales comparative information for fiscal 2017 and 2016, respectively, is as follows:

	Year Ended December 31,		Increase
Net Sales by Type of Customer	2017	2016	(Decrease)
Consumer	$ 8,190	$ 7,547	$ 643
Tactical	697	397	300
International	950	908	42
Other	146	202	(56)
Total	$ 9,983	$ 9,054	$ 929

The net increase in consumer distribution channel net sales in the year ended December 31, 2017, compared with the same period in 2016, is primarily attributable to sales to new customers, partially offset by (i) a net sales decline due to a single large purchase by a customer during the year ended December 31, 2016, which did not repeat in the comparable period in fiscal 2017 and (ii) the impact of recent retailer bankruptcies/closures. Tactical distribution channel net sales increased in the year ended December 31, 2017, compared to the same period in 2016, primarily due to sales to new customers and increased net sales from existing customers. International distribution channel benefited from distribution of animal repellant products in Canada, partially offset by reduced demand in Europe, compared with the year ended December 31, 2016.

Cost of goods sold

Cost of goods sold increased in fiscal 2017 by 3.9% to $5,580, or 55.9% of net sales, compared with $5,369, or 59.3% of net sales, in fiscal 2015, primarily due to the 10.3% increase in net sales. Cost of goods sold benefited from higher margins as a result of the Company's acquisitions and the impact of lower freight out expense attributable primarily to the Company increasing its case-pack quantities with some key accounts.

Gross profit

Gross profit increased $718, or 19.5%, to $4,403, or 44.1% of net sales, during fiscal 2017, compared with $3,685, or 40.7% of net sales, in fiscal 2016, primarily due to increased revenues and lower cost of goods sold as a percentage of net sales.

(Dollars in thousands, except share and per share amounts)

Selling, general and administrative expenses

Selling, general and administrative expenses increased by $402 to $4,121, or 41.3% of net sales, during fiscal 2017, compared with $3,719, or 41.1% of net sales in fiscal 2016. The following table presents the significant expense items causing the increase in selling, general and administrative expenses in the year ended December 31, 2017, compared with the same period in 2016.

Selling, General and Administrative Expense Categories	**Increase (Decrease)**
Salaries and related employee benefits increase primarily attributable to the hiring of additional sales personnel	$ 191
Commission expense decrease attributable to lower commissionable net sales	(74)
Legal and other discretionary professional services expense increase	51
Advertising expense increase primarily attributable to higher e-commerce related advertising expenditures	159
Increase in e-commerce fulfillment fees	124
Other factors	(49)
Total	$ 402

Depreciation

Depreciation expense in fiscal 2017 increased $33 to $188, compared with $155 in fiscal 2016, due primarily to the March 2017 acquisition of property and equipment.

Interest income

Interest income decreased $40 in fiscal 2017 to $96, compared with $136 in fiscal 2016, due primarily to a decrease in investment income due to the liquidation of a portion of the Company's short-term investments to fund the 2017 acquisitions.

Amortization of intangible assets

Amortization of intangible assets relates to the amortization of intangible assets associated with the Company's 2017 acquisitions.

Loss from continuing operations

Loss from continuing operations decreased by $58 to a loss of $43 in fiscal 2017, compared to a loss from continuing operations of $101 in fiscal 2016, due primarily to the factors noted above.

Income (loss) from discontinued operations

Income (loss) from discontinued operations was a loss of $22 in fiscal 2017, compared with income from discontinued operations of $351 in fiscal 2016. In 2016, the Company completed the sale of its electronic surveillance equipment business, which resulted in a $212 gain in 2016.

Net income (loss)

Net loss in fiscal 2017 was $65, compared with a net income of $250 in fiscal 2016. Net income decreased in 2017, compared with fiscal 2016, primarily due to the increase in net sales and lower cost of goods sold as a percentage of net sales being offset by higher selling, general and administrative expenses and the amortization of intangible assets in 2017.

Liquidity and Capital Resources

Cash, cash equivalents and restricted cash decreased by $464 to $198 at December 31, 2018, compared with $662 at December 31, 2017. The Company's operating activities of continuing operations used $409 of cash in fiscal 2018, compared with providing $546 in fiscal 2017. In the year ended December 31, 2018, depreciation, equity compensation, provision for note receivable allowance and other non-cash charges totaled $2,124. Changes in operating assets and liabilities used $587 of cash due primarily to factors resulting from normal business conditions of the Company, including (1) higher accounts receivable due to higher net sales, and (2) lower accounts payable and accrued liabilities due to timing of payments.
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The Company's capital expenditures in fiscal 2018 were $168, compared with $93 in fiscal 2017. Capital expenditures in fiscal 2018 related principally to enhancements to the Company's website and manufacturing and production equipment. The Company anticipates total fiscal 2019 capital expenditures will be approximately $393 and will relate principally to production equipment. The Company anticipates funding future capital expenditures from operating cash flow. There were no commitments for capital expenditures at December 31, 2018.

The Company has not declared or paid any cash dividends within the last two (2) fiscal years and does not anticipate paying any such dividends in the foreseeable future. The Company currently intends to retain all of its earnings for the operation and expansion of its business.

The Company has a $1,500 credit agreement with a bank (the "Credit Agreement"), that is secured by substantially all the Company's assets and payable on demand. The Credit Agreement provides for monthly interest payments at a rate equal to LIBOR plus 1.75%. The interest rate was 4.096% at December 31, 2018. $275 was drawn upon the Credit Agreement at December 31, 2018.

In connection with its March 2017 acquisition, the Company entered into a 5% $1,000 secured note payable to the seller of acquired business due March 22, 2022. The note is collateralized by all of the Company's assets. $678 was outstanding on this note payable at December 31, 2018.

In connection with its October 2017 acquisition, the Company entered into a 5% $300 unsecured contingent note payable to seller of acquired business due April 19, 2018. In 2018, the Company determined that the financial objectives with respect to the $300 cash payment were met and the payment was made to the seller of the business in 2018.

The Company believes that funds provided by operations, existing working capital, and its $1,500 bank credit agreement should be sufficient to meet working capital needs for the next 12 months.

(Dollars in thousands, except share and per share amounts)

C. Off-balance sheet arrangements

In the ordinary course of business, the Company is party to certain arrangements that are not reflected in the Consolidated Balance Sheets. This includes operating leases as described in Note 15 to the Company's December 31, 2018 consolidated financial statements, which primarily relate to the Company's primary facility in Cleveland, Ohio and a warehouse in Perry, Florida. The Company does not have any obligations that meet the definition of an off-balance sheet arrangement that have had, or are reasonably likely to have, a material effect on the Company's financial condition or results of operations.

Part E Issuance History

Item 17 List of securities offerings and shares issued for services in the past two years.

The following table sets forth information regarding the common stock of Mace Security International, Inc. issued during fiscal years ended December 31, 2018 and 2017.

Date	Nature of Offering	Party Shares Issued To	Number of Shares Issued	Trading Status of Shares	Restricted Shares
1/10/2017	Option Exercise	Non-Employee Director	100,000	Restricted	Yes
3/22/2017	Purchase of Business	Seller of Business	1,000,000	Restricted	Yes
6/28/2017	Option Exercise	Employee	15,000	Restricted	Yes
10/19/2017	Purchase of Business	Seller of Business	1,000,000	Restricted	Yes
3/30/2018	Option Exercise	Employee	12,134	Restricted	Yes
5/23/2018	Option Exercise	Employee	29,070	Restricted	Yes
12/10/2018	Payment of contingent purchase price	Seller of Business	116,772	Restricted	Yes

(1) The shares have not been registered under the Securities Act of 1933, as amended, and as a result there are restrictions on transferability and sale of the shares under the Security Act of 1933.

The following table sets forth information regarding common stock options issued during fiscal years ended December 31, 2018 and 2017.

Date	Nature of Offering	Party Shares Issued To	Number of Shares Issued	Exercise Price	Purpose
6/27/2017	Stock Option	Non-Employee Directors	300,000	$0.38	Annual Retainer
6/12/2018	Stock Option	Non-Employee Directors	525,000	$0.40	Annual Retainer

(Dollars in thousands, except share and per share amounts)

Part F Exhibits

Item 18 Material Contracts

18.1	Mace Security International, Inc. 1999 Stock Option Plan (incorporated herein by reference to Exhibit 10.98 to the June 30, 1999 Form 10-QSB dated August 13, 1999)
18.2	Mace Security International, Inc. 2012 Stock Incentive Plan (incorporated herein by reference to Form DEF 14A filed on May 18, 2012)
18.3	Asset Purchase Agreement between Mace Security International, Inc. and SecureCheck LLC dated September 28, 2016 (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2016)
18.4	Employment Agreement dated as of November 21, 2012 by and between Mace Security International, Inc. and John J. McCann (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2016)
18.5	Employment Agreement dated as of January 1, 2014 by and between Mace Security International, Inc. and Carl R. Smith (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2016)
18.6	Asset Purchase Agreement between Washington Laboratories, LLC, Larry W. Harris and Mace Security International, Inc. dated March 22, 2017 (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2017)
18.7	Asset Purchase Agreement between Mace Security International, Inc., Robinhood Digital LLC and David A. Happe dated October 19, 2017 (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2017)
18.8	Bonus Agreement between Mace Security International, Inc., George C. Gehrisch and Sanjay Singh dated March 9, 2018 (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2017)
18.9	Shareholder Agreement dated March 9, 2018 (incorporated herein by reference to OTCQX Annual Information and Disclosure Statement December 31, 2017
18.10	Employment Agreement dated January 20, 2019 by and between Mace Security International, Inc. and Gary Medved

Item 19 Articles of Incorporation and Bylaws

Amended and Restated Certificate of Incorporation of Mace Security International, Inc. was previously filed with the Securities and Exchange Commission as Exhibit 3.7 to the Company’s Registration Statement on Form S-3 on June 16, 2004, and is incorporated herein by reference.

Amended and Restated Bylaws of Mace Security International, Inc. were previously filed with the Securities and Exchange Commission as Exhibit 3.1 to the Company’s Annual Report on Form 8-K filed on April 21, 2010, and is incorporated herein by reference.

Item 20 Purchases of Equity Securities by the Issuer and Affiliated Purchasers

None.

Item 21 Issuer's Certifications

I, Gary Medved, President and Chief Executive Officer, certify that:

1. I have reviewed this Annual Information and Disclosure Statement of Mace Securities International, Inc.;

2. Based on my knowledge, this disclosure statement 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 disclosure statement; and

3. Based on my knowledge, the financial statements, and other financial information included or incorporated by reference in this disclosure statement, fairly present in all material respects the financial condition, results of operations and cash flows of the issuer as of, and for the periods presented in this disclosure statement.

Date: March 29, 2019

/s/ Gary Medved
President and Chief Executive Officer

I, Mark Barrus, Senior Vice President, Chief Financial Officer and Secretary, certify that:

1. I have reviewed this Annual Information and Disclosure Statement of Mace Securities International, Inc.;

2. Based on my knowledge, this disclosure statement 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 disclosure statement; and

3. Based on my knowledge, the financial statements, and other financial information included or incorporated by reference in this disclosure statement, fairly present in all material respects the financial condition, results of operations and cash flows of the issuer as of, and for the periods presented in this disclosure statement.

Date: March 29, 2019

/s/ Mark Barrus
Senior Vice President, Chief Financial Officer and Secretary