

# Offering Statement for MISAA, LLC

(“MISAA/TacAssay,” “we,” “our,” or the “Company”)

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All Regulation CF offerings are conducted through Netcapital Funding Portal Inc. ("Portal"), an affiliate of Netcapital, and a FINRA/SEC registered funding-portal. For inquiries related to Regulation CF securities activity, contact Netcapital Funding Portal Inc.:

**Paul Riss:**

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Netcapital and Portal do not make investment recommendations and no communication, through this website or in any other medium, should be construed as a recommendation for any security offered on or off this investment platform. Equity crowdfunding investments in private placements, Regulation A, D and CF offerings, and start-up investments in particular are speculative and involve a high degree of risk and those investors who cannot afford to lose their entire investment should not invest in start-ups. Companies seeking startup investments through equity crowdfunding tend to be in earlier stages of development and their business model, products and services may not yet be fully developed, operational or tested in the public marketplace. There is no guarantee that the stated valuation and other terms are accurate or in agreement with the market or industry valuations. Additionally, investors may receive illiquid and/or restricted stock that may be subject to holding period requirements and/or liquidity concerns. In the most sensible investment strategy for start-up investing, start-ups should only be part of your overall investment portfolio. Further, the start-up portion of your portfolio may include a balanced portfolio of different start-ups. Investments in startups are highly illiquid and those investors who cannot hold an investment for the long term (at least 5-7 years) should not invest.

The information contained herein includes forward-looking statements. These statements relate to future events or to future financial performance, and involve known and unknown risks, uncertainties, and other factors, that may cause actual results to be materially different from any future results, levels of activity, performance, or achievements expressed or implied by these forward-looking statements. You should not place undue reliance on forward-looking statements since they involve known and unknown risks, uncertainties, and other factors, which are, in some cases, beyond the company's control and which could, and likely will, materially affect actual results, levels of activity, performance, or achievements. Any forward-looking statement reflects the current views with respect to future events and is subject to these and other risks, uncertainties, and assumptions relating to operations, results of operations, growth strategy, and liquidity. No obligation exists to publicly update or revise these forward-looking statements for any reason, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

## The Company

**1. What is the name of the issuer?**

MISAA, LLC

19601 Mariner Ave

Torrance, CA 90503

## Eligibility

**2. The following are true for MISAA, LLC:**

- Organized under, and subject to, the laws of a State or territory of the United States or the District of Columbia.
- Not subject to the requirement to file reports pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934.
- Not an investment company registered or required to be registered under the Investment Company Act of 1940.
- Not ineligible to rely on this exemption under Section 4(a)(6) of the Securities Act as a result of a disqualification specified in Rule 503(a) of Regulation Crowdfunding. (For more information about these disqualifications, see Question 30 of this Question and Answer format).
- Has filed with the Commission and provided to investors, to the extent required, the ongoing annual reports required by Regulation Crowdfunding during the two years immediately preceding the filing of this offering statement (or for such shorter period that the issuer was required to file such reports).
- Not a development stage company that (a) has no specific business plan or (b) has indicated that its business plan is to engage in a merger or acquisition with an unidentified company or companies.

**3. Has the issuer or any of its predecessors previously failed to comply with the ongoing reporting requirements of Rule 202 of Regulation Crowdfunding?**

No.

## Directors, Officers and Promoters of the Company

**4. The following individuals (or entities) represent the company as a director, officer or promoter of the offering:**

***Name***

Reuben Sandler

***Principal occupation and employment responsibilities during at least the last three (3) years with start and ending dates***

Start Date	End Date	Company	Position / Title
12/22/1999	Present	Intelligent Optical Systems	CEO Board Member
07/10/2023	12/27/2023	MISAA/TacAssay	Board Member

Education: Reed College, Portland Oregon, BS degree, 1957; University of Chicago, Chicago IL, PhD (mathematlcs) 1961 Publications: assorted mathematics research papers, 3 mathematics books Work

History: 1960-1964 Institute for Defense Analysis, Princeton campus 1965-1975 Professorships (mathematics) at various universities, U. of Chicago, U. of Illinois, U. of Hawaii, Technion Institute (Haifa), Victoria University of Wellington (NZ) 1975-1987 lived in NZ and began to work with various corporations as a management consultant 1988-1993 Sr. Vice President, Makoff R&D Labs, Los Angeles, a health care company 1994-present CEO and Chairman, Intelligent Optical Systems, Inc, parent company of MISAA LLC 2023- Managing Director and Chairman, MISAA LLC LinkedIn: <https://www.linkedin.com/in/reuben-sandler-29125b/>

**Name**

Henry Lichstein

***Principal occupation and employment responsibilities during at least the last three (3) years with start and ending dates***

Start Date	End Date	Company	Position / Title
07/24/2018	Present	Canyon Asset Management	Manager
01/01/2018	01/14/2022	Cloud Cover Media	CFO
06/01/2022	Present	Intelligent Optical Sysems	Board Member. CFO
07/24/2023	Present	MISAA, LLC	Board Member, CFO

Henry Lichstein has managed business and technology activities at the highest organizational levels, with 50+ years of experience in analytical, technical, and financial roles. He works with senior management setting strategic business, finance, and technology directions in companies as large as Citibank and as small as startups, with notable success in both. He has broad network of professional and academic contacts, is a member of corporate and foundation Boards, and is active in community and academic affairs. He was recently the CFO during the successful sale of a startup to SiriusXM. Degrees from MIT in Electrical Engineering (BSEE 1965), Economics (BSEcon 1966), Management (MS Mgmt 1966) LinkedIn: <https://www.linkedin.com/in/henrylichstein/>

**Name**

Angelo Lamola

***Principal occupation and employment responsibilities during at least the last three (3) years with start and ending dates***

Start Date	End Date	Company	Position / Title
07/04/2023	Present	MISAA/TacAssay	Board Member
01/01/2010	Present	Intelligent Optical Systems	Board Member

Angelo Lamola was Rohm and Haas' Chief Scientist and Director of its Materials Technology Center. The Materials Technology center is charged with the acquisition and development of new technology platforms primarily associated with the Electronics Materials segment. Angelo earned a BS in Chemistry from MIT in 1961 and spent his undergraduate summers as a chemist at DuPont's Experimental Station. He obtained a Ph.D. in Chemistry (physical organic and photochemistry) from Caltech in 1964 and joined the Bell Laboratories at Murray Hill NJ in 1966 as a founding member of the Molecular Biophysics Department. His work was fluorescence-based blood tests for lead intoxication, which became the national standard. He received the Baekeland Award of the ACS in 1977 for this work, and headed the Biophysics Department at Bell Labs from 1980 to 1985. In 1985, Lamola moved to the Polaroid Corporation as Director of Chemicals and Materials Research, and moved to the Shipley Company in 1988 as VP Research. When Rohm and Haas purchased Shipley in 1992, Lamola became Rohm and Haas Director of Corporate Exploratory Research and Chief Scientist in 1998. Lamola has served on numerous boards and task forces of government, learned societies, and universities and has been elected as a Fellow of the AAAS, and held lectureships at the Welch Foundation (U. Texas), Hurd (Northwestern), Snider Bequest (U. Toronto) and

University of Louvain. Education: Caltech PhD in Chemistry 1964 MIT BS in Chemistry 1961 LinkedIn: <https://www.linkedin.com/in/angelo-lamola-b23829a/>

**Name**

Tamra Johnson

**Principal occupation and employment responsibilities during at least the last three (3) years with start and ending dates**

Start Date	End Date	Company	Position / Title
07/04/2023	Present	Intelligent Optical Sysems	Board Member
11/01/2015	Present	FlexTeam	Founder, Advisor
07/04/2023	Present	MISAA/TacAssay	Board Member

Tamra Johnson is a rocket scientist, multi-business founder, board member, angel investor and current COO of Liquid, the operations system for agile businesses. Her superpowers include leadership in revolutionizing the future of work and in unlocking value in underutilized human capital assets. MIT BS in Aeronautics & Astronautics 2001 Stanford MS in Management Science & Engineering 2009 UCLA Anderson School MBA 2012 LinkedIn: <https://www.linkedin.com/in/tamrajohnson/>

## Principal Security Holders

5. Provide the name and ownership level of each person, as of the most recent practicable date, who is the beneficial owner of 20 percent or more of the issuer's outstanding voting equity securities, calculated on the basis of voting power. To calculate total voting power, include all securities for which the person directly or indirectly has or shares the voting power, which includes the power to vote or to direct the voting of such securities. If the person has the right to acquire voting power of such securities within 60 days, including through the exercise of any option, warrant or right, the conversion of a security, or other arrangement, or if securities are held by a member of the family, through corporations or partnerships, or otherwise in a manner that would allow a person to direct or control the voting of the securities (or share in such direction or control — as, for example, a co-trustee) they should be included as being “beneficially owned.” You should include an explanation of these circumstances in a footnote to the “Number of and Class of Securities Now Held.” To calculate outstanding voting equity securities, assume all outstanding options are exercised and all outstanding convertible securities converted.

**Intelligent Optical  
Systems, Inc. (IOS)**

Securities:	10,000,000
Class:	Class A Unit
Voting Power:	100.0%

## Business and Anticipated Business Plan

6. Describe in detail the business of the issuer and the anticipated business plan of the issuer.

**Our Mission:** At MISAA, LLC, our mission is to use our knowledge and experience to improve the health and well-being of the transplant community around the world. The scientists are driven to succeed by their shared passion for knowledge and growth, and the desire to apply that knowledge to remedy real-world problems, from healthcare to environmental sustainability. **Our Expertise:** Our team of scientists and researchers are leaders in the field of in Vitro diagnostics. We have extensive experience in developing cutting-edge diagnostic products and we are constantly exploring new ways to improve patient outcomes. **Our Products:** We have developed a range of in Vitro diagnostic tests that address a variety of healthcare needs. These tests include quantifying biomarkers and pharmaceuticals, all of which are designed to improve patient care and outcomes. MISAA's parent company IOS received over \$4 million of Research & Development money to develop its launch product, the TacAssay in vitro diagnostic kit. MISAA is the developer of this first-of-its kind fast, simple, inexpensive test of the blood level of the best selling immunosuppressive drug Tacrolimus which is employed in the majority of kidney transplants in the world (liver and heart transplants as well). MISAA believes the total accessible market for its product is in the multiple billions. MISAA's TacAssay product is proprietary and the Company has filed for international patents with broad claims to the intellectual property. MISAA has begun the FDA approval process with a pre-submittal of a 510K. Approval is expected in the 12–18-month timeframe as a Class II non-invasive diagnostic system. The FDA has accepted MISAA's proposition that the complex, time delay and expensive LC-MS based test currently used is the predicate for clinical testing the TacAssay. The TacAssay will employ already an FDA-approved hardware, further speeding the process. Once approved, we believe that TacAssay will provide doctors an important new tool to monitor Tacrolimus levels in transplant patients. Our goal is to improve care and outcomes for millions of people.

## Risk Factors

*A crowdfunding investment involves risk. You should not invest any funds in this offering unless you can afford to lose your entire investment.*

*In making an investment decision, investors must rely on their own examination of the issuer and the terms of the offering, including the merits and risks involved. These securities have not been recommended or approved by any federal or state securities commission or regulatory authority. Furthermore, these authorities have not passed upon the accuracy or adequacy of this document.*

*The U.S. Securities and Exchange Commission does not pass upon the merits of any securities offered or the terms of the offering, nor does it pass upon the accuracy or completeness of any offering document or literature.*

*These securities are offered under an exemption from registration; however, the U.S. Securities and Exchange Commission has not made an independent determination that these securities are exempt from registration.*

### **7. Material factors that make an investment in MISAA, LLC speculative or risky:**

1. Inability to protect our proprietary technology would disrupt our business. We rely, in part, on trademark, copyright, and trade secret law to protect our intellectual property in the United States and abroad. We seek to protect our software, documentation, and other written materials under trade secret and copyright law, which afford only limited protection. We have additional United States and foreign patent applications pending. We cannot predict whether such pending patent applications will result in issued patents, and if they do, whether such patents will effectively protect our intellectual property. The intellectual property rights we obtain may not be sufficient to provide us with a competitive advantage, and could be challenged, invalidated, infringed or misappropriated. We may not be able to protect our proprietary rights in the United States or internationally (where effective intellectual property protection may be unavailable or limited), and competitors may independently develop technologies that are similar or superior to our technology, duplicate our technology or design around any patent of ours. We attempt to further protect our proprietary technology and content by requiring

our employees and consultants to enter into confidentiality and assignment of inventions agreements and third parties to enter into nondisclosure agreements. These agreements may not effectively prevent unauthorized use or disclosure of our confidential information, intellectual property or technology and may not provide an adequate remedy in the event of unauthorized use or disclosure of our confidential information, intellectual property or technology. Litigation may be necessary in the future to enforce our intellectual property rights, to determine the validity and scope of our proprietary rights or the rights of others, or to defend against claims of infringement or invalidity. Such litigation could result in substantial costs and diversion of management time and resources and could have a material adverse effect on our business, financial condition, and operating results. Any settlement or adverse determination in such litigation would also subject us to significant liability.

2. Third parties might infringe upon our technology, trademark, or other proprietary rights, or think we are infringing upon their rights. We cannot assure you that the steps we have taken to protect our property rights will prevent misappropriation of our technology. To protect our rights to our intellectual property, we plan to rely on a combination of trade secrets, confidentiality agreements and other contractual arrangements with our employees, affiliates, strategic partners and others. We may be unable to detect inappropriate use of our technology. Failure to adequately protect our intellectual property could materially harm our brand, devalue our proprietary content and affect our ability to compete effectively. Further, defending any technology rights could result in significant financial expenses and managerial resources.
3. Regulatory Risk The regulations to which we are subject are complex and have tended to become more stringent over time. Regulatory changes could result in restrictions on our ability to carry on or expand our operations, higher than anticipated costs or lower than anticipated revenues. Failure to comply with applicable regulations could jeopardize our ability to sell our products and result in enforcement actions such as fines, civil penalties, injunctions, warning letters, recalls of products, delays in the introduction of products into the market, refusal of the regulatory agency or other regulators to grant future clearances and approvals, and the suspension or withdrawal of existing approvals by such regulatory agencies. Any of these sanctions could result in higher than anticipated costs or lower than anticipated sales and harm our reputation, business, financial condition and operating results.
4. Valuation Risk: Any valuation at this stage is difficult to assess. Unlike listed companies that are valued publicly through market-driven stock prices, the valuation of private companies, especially startups, is difficult to assess and you may risk overpaying for your investment. In addition, there may be additional classes of equity with rights that are superior to the class of equity being sold.
5. Limited Operating History Risk: We have a limited operating history upon which investors may base an evaluation of our potential future performance. In particular, we have not proven that we can develop and maintain relationships with key vendors and strategic partners to extract value from our intellectual property, raise sufficient capital in the public and/or private markets, or respond effectively to competitive pressures. As a result, there can be no assurance that we will be able to develop or maintain consistent revenue sources, or that our operations will be profitable and/or generate positive cash flow.
6. Key Employee Risk: We are highly dependent on the services of our senior scientists. Our future business and results of operations depend in significant part upon their continued contributions. If we lose those services or if they fail to perform in their current position, or if we are not able to attract and retain skilled employees in addition to the current team, this could adversely affect the development of our business plan and harm our business. In addition, the loss of any other executive officers could harm the Company's business, financial condition, cash flow and results of operations.
7. Start-up investing is risky: Investing in startups is very risky, highly speculative, and should not be made by anyone who cannot afford to lose their entire investment. Unlike an investment in a mature business where there is a track record of revenue and income, the success of a startup or early-stage venture often relies on the development of a new product or service that may or may not find a market. We may run out of money before we can execute our business plan. Before investing, you should carefully consider the specific risks and disclosures related to both this offering type and the Company.

8. We may conduct future offerings of our common stock and pay debt obligations with our common stock which may diminish our investors' pro rata ownership and depress our stock price. We reserve the right to make future offers and sales, either public or private, of our securities, including shares of our common stock or securities convertible into common stock at prices differing from the price of the common stock previously issued. In the event that any such future sales of securities are affected or we use our common stock to pay principal or interest on our debt obligations, an investor's pro rata ownership interest may be reduced to the extent of any such future sales.
9. Investment in personnel. An early-stage investment is also an investment in the entrepreneur or management of the Company. Being able to execute on the business plan is often an important factor in whether the business is viable and successful. You should be aware that a portion of your investment may fund the compensation of the Company's employees, including its management. You should carefully review any disclosure regarding the Company's use of proceeds.
10. You may only receive limited disclosure. While the Company must disclose certain information, since the Company is at an early-stage they may only be able to provide limited information about its business plan and operations because it does not have fully developed operations or a long history. The Company may also only be obligated to file information periodically regarding its business, including financial statements. A publicly listed company, in contrast, is required to file annual and quarterly reports and promptly disclose certain events — through continuing disclosure that you can use to evaluate the status of your investment.
11. Our management may not be able to control costs in an effective or timely manner. The Company's management anticipates it can use reasonable efforts to assess, predict and control costs and expenses. However, implementing our business plan may require more employees, capital equipment, supplies or other expenditure items than management has predicted. Likewise, the cost of compensating employees and consultants or other operating costs may be higher than management's estimates, which could lead to sustained losses.
12. Fundraising outside of the platform Our ability to succeed depends on how successful we will be in our fundraising effort. We plan to diversify fund-raising beyond this campaign, in order to use resources to build the necessary business infrastructure to be successful in the long-term. In the event of competitors being better capitalized than we are, that would give them a significant advantage in marketing and operations.
13. The Company has the right to extend the Offering deadline. The Company may extend the Offering deadline beyond what is currently stated herein. This means that your investment may continue to be held in escrow while the Company attempts to raise the maximum offering amount even after the Offering deadline stated herein is reached. Your investment will not be accruing interest during this time and will simply be held until such time that Offering is closed, at which time it will be released to the Company to be used as set forth herein. Upon or shortly after release of such funds to the Company, the Securities will be issued and distributed to you.
14. Regulatory Oversight Sale of our most of our products will require approval by the Federal Drug Administration and that cannot be assured.
15. *The U.S. Securities and Exchange Commission does not pass upon the merits of any securities offered or the terms of the offering, nor does it pass upon the accuracy or completeness of any offering document or literature.*

You should not rely on the fact that our Form C, and if applicable Form D is accessible through the U.S. Securities and Exchange Commission's EDGAR filing system as an approval, endorsement or guarantee of compliance as it relates to this Offering.

16. *Neither the Offering nor the Securities have been registered under federal or state securities laws, leading to an absence of certain regulation applicable to the Company.*

The securities being offered have not been registered under the Securities Act of 1933 (the "Securities Act"), in reliance on exemptive provisions of the Securities Act. Similar reliance has been placed on apparently available exemptions from securities registration or qualification requirements under

applicable state securities laws. No assurance can be given that any offering currently qualifies or will continue to qualify under one or more of such exemptive provisions due to, among other things, the adequacy of disclosure and the manner of distribution, the existence of similar offerings in the past or in the future, or a change of any securities law or regulation that has retroactive effect. If, and to the extent that, claims or suits for rescission are brought and successfully concluded for failure to register any offering or other offerings or for acts or omissions constituting offenses under the Securities Act, the Securities Exchange Act of 1934, or applicable state securities laws, the Company could be materially adversely affected, jeopardizing the Company's ability to operate successfully. Furthermore, the human and capital resources of the Company could be adversely affected by the need to defend actions under these laws, even if the Company is ultimately successful in its defense.

*17. The Company has the right to extend the Offering Deadline, conduct multiple closings, or end the Offering early.*

The Company may extend the Offering Deadline beyond what is currently stated herein. This means that your investment may continue to be held in escrow while the Company attempts to raise the Minimum Amount even after the Offering Deadline stated herein is reached. While you have the right to cancel your investment up to 48 hours before an Offering Deadline, if you choose to not cancel your investment, your investment will not be accruing interest during this time and will simply be held until such time as the new Offering Deadline is reached without the Company receiving the Minimum Amount, at which time it will be returned to you without interest or deduction, or the Company receives the Minimum Amount, at which time it will be released to the Company to be used as set forth herein. Upon or shortly after release of such funds to the Company, the Securities will be issued and distributed to you. If the Company reaches the target offering amount prior to the Offering Deadline, they may conduct the first of multiple closings of the Offering prior to the Offering Deadline, provided that the Company gives notice to the investors of the closing at least five business days prior to the closing (absent a material change that would require an extension of the Offering and reconfirmation of the investment commitment). Thereafter, the Company may conduct additional closings until the Offering Deadline. The Company may also end the Offering early; if the Offering reaches its target offering amount after 21-calendar days but before the deadline, the Company can end the Offering with 5 business days' notice. This means your failure to participate in the Offering in a timely manner, may prevent you from being able to participate – it also means the Company may limit the amount of capital it can raise during the Offering by ending it early.

*18. The Company's management may have broad discretion in how the Company uses the net proceeds of the Offering.*

Despite that the Company has agreed to a specific use of the proceeds from the Offering, the Company's management will have considerable discretion over the allocation of proceeds from the Offering. You may not have the opportunity, as part of your investment decision, to assess whether the proceeds are being used appropriately.

*19. The Securities issued by the Company will not be freely tradable until one year from the initial purchase date. Although the Securities may be tradable under federal securities law, state securities regulations may apply, and each Investor should consult with his or her attorney.*

You should be aware of the long-term nature of this investment. There is not now and likely will not be a public market for the Securities. Because the Securities offered in this Offering have not been registered under the Securities Act or under the securities laws of any state or non-United States jurisdiction, the Securities have transfer restrictions and cannot be resold in the United States except pursuant to Rule 501 of Regulation CF. It is not currently contemplated that registration under the Securities Act or other securities laws will be affected. Limitations on the transfer of the shares of Securities may also adversely affect the price that you might be able to obtain for the shares of Securities in a private sale. Investors should be aware of the long-term nature of their investment in the



Company. Investors in this Offering will be required to represent that they are purchasing the Securities for their own account, for investment purposes and not with a view to resale or distribution thereof.

20. *Investors will not be entitled to any inspection or information rights other than those required by Regulation CF.*

Investors will not have the right to inspect the books and records of the Company or to receive financial or other information from the Company, other than as required by Regulation CF. Other security holders of the Company may have such rights. Regulation CF requires only the provision of an annual report on Form C and no additional information – there are numerous methods by which the Company can terminate annual report obligations, resulting in no information rights, contractual, statutory or otherwise, owed to Investors. This lack of information could put Investors at a disadvantage in general and with respect to other security holders.

21. *The shares of Securities acquired upon the Offering may be significantly diluted as a consequence of subsequent financings.*

Company equity securities will be subject to dilution. Company intends to issue additional equity to future employees and third-party financing sources in amounts that are uncertain at this time, and as a consequence, holders of Securities will be subject to dilution in an unpredictable amount. Such dilution may reduce the purchaser's economic interests in the Company.

22. The amount of additional financing needed by Company will depend upon several contingencies not foreseen at the time of this Offering. Each such round of financing (whether from the Company or other investors) is typically intended to provide the Company with enough capital to reach the next major corporate milestone. If the funds are not sufficient, Company may have to raise additional capital at a price unfavorable to the existing investors. The availability of capital is at least partially a function of capital market conditions that are beyond the control of the Company. There can be no assurance that the Company will be able to predict accurately the future capital requirements necessary for success or that additional funds will be available from any source. Failure to obtain such financing on favorable terms could dilute or otherwise severely impair the value of the investor's Company securities.

23. *There is no present public market for these Securities and we have arbitrarily set the price.*

The offering price was not established in a competitive market. We have arbitrarily set the price of the Securities with reference to the general status of the securities market and other relevant factors. The Offering price for the Securities should not be considered an indication of the actual value of the Securities and is not based on our net worth or prior earnings. We cannot assure you that the Securities could be resold by you at the Offering price or at any other price.

24. In addition to the risks listed above, businesses are often subject to risks not foreseen or fully appreciated by the management. It is not possible to foresee all risks that may affect us. Moreover, the Company cannot predict whether the Company will successfully effectuate the Company's current business plan. Each prospective Investor is encouraged to carefully analyze the risks and merits of an investment in the Securities and should take into consideration when making such analysis, among other, the Risk Factors discussed above.

25. THE SECURITIES OFFERED INVOLVE A HIGH DEGREE OF RISK AND MAY RESULT IN THE LOSS OF YOUR ENTIRE INVESTMENT. ANY PERSON CONSIDERING THE PURCHASE OF THESE SECURITIES SHOULD BE AWARE OF THESE AND OTHER FACTORS SET FORTH IN THIS OFFERING STATEMENT AND SHOULD CONSULT WITH HIS OR HER LEGAL, TAX AND FINANCIAL ADVISORS PRIOR TO MAKING AN INVESTMENT IN THE SECURITIES.

THE SECURITIES SHOULD ONLY BE PURCHASED BY PERSONS WHO CAN AFFORD TO LOSE ALL OF THEIR INVESTMENT.

## The Offering

MISAA, LLC ("Company") is offering securities under Regulation CF, through Netcapital Funding Portal Inc. ("Portal"). Portal is a FINRA/SEC registered funding portal and will receive cash compensation equal to 4.9% of the value of the securities sold through Regulation CF. Investments made under Regulation CF involve a high degree of risk and those investors who cannot afford to lose their entire investment should not invest.

The Company plans to raise between \$10,000 and \$1,000,000 through an offering under Regulation CF. Specifically, if we reach the target offering amount of \$10,000, we may conduct the first of multiple or rolling closings of the offering early if we provide notice about the new offering deadline at least five business days prior to such new offering deadline (absent a material change that would require an extension of the offering and reconfirmation of the investment commitment). Oversubscriptions will be allocated on a first come, first served basis. Changes to the offering, material or otherwise, occurring after a closing, will only impact investments which have yet to be closed.

In the event The Company fails to reach the offering target of \$10,000, any investments made under the offering will be cancelled and the investment funds will be returned to the investor.

### 8. What is the purpose of this offering?

Funds will be used for: Technical and Administrative staff salaries to carry out scientific research, manage clinical tests, and manage vendor and supplier relationships: \$162,000 or 16%; Administration and Overhead: \$176,000 or 18%; Materials: \$60,000 or 6%; Supporting up to three clinical trials for FDA Approval process: \$320,000 or 32%; Development of appropriate Tac-assay readers NRE and Supply \$200,000 or 20%. Precise allocation of funds raised is dependent on SBIR funding received.

### 9. How does the issuer intend to use the proceeds of this offering?

Uses	If Target Offering Amount Sold	If Maximum Amount Sold
Intermediary Fees	\$490	\$49,000
Labor	\$9,510	\$162,000
Clinical Trials	\$0	\$320,000
Product Development	\$0	\$200,000
Materials	\$0	\$60,000
Consulting	\$0	\$33,000
Admin and Overhead	\$0	\$176,000
<b>Total Use of Proceeds</b>	<b>\$10,000</b>	<b>\$1,000,000</b>

### 10. How will the issuer complete the transaction and deliver securities to the investors?

In entering into an agreement on the Netcapital Funding Portal to purchase securities, both investors and MISAA, LLC must agree that a transfer agent, which keeps records of our outstanding Class B Unit (the "Securities"), will issue digital Securities in the investor's name (a paper certificate will not be printed).

Similar to other online investment accounts, the transfer agent will give investors access to a web site to see the number of Securities that they own in our company. These Securities will be issued to investors after the deadline date for investing has passed, as long as the targeted offering amount has been reached. The transfer agent will record the issuance when we have received the purchase proceeds from the escrow agent who is holding your investment commitment.

**11. How can an investor cancel an investment commitment?**

You may cancel an investment commitment for any reason until 48 hours prior to the deadline identified in the offering by logging in to your account with Netcapital, browsing to the Investments screen, and clicking to cancel your investment commitment. Netcapital will notify investors when the target offering amount has been met. If the issuer reaches the target offering amount prior to the deadline identified in the offering materials, it may close the offering early if it provides notice about the new offering deadline at least five business days prior to such new offering deadline (absent a material change that would require an extension of the offering and reconfirmation of the investment commitment). If an investor does not cancel an investment commitment before the 48-hour period prior to the offering deadline, the funds will be released to the issuer upon closing of the offering and the investor will receive securities in exchange for his or her investment. If an investor does not reconfirm his or her investment commitment after a material change is made to the offering, the investor's investment commitment will be cancelled and the committed funds will be returned.

**12. Can the Company perform multiple closings or rolling closings for the offering?**

If we reach the target offering amount prior to the offering deadline, we may conduct the first of multiple closings of the offering early, if we provide notice about the new offering deadline at least five business days prior (absent a material change that would require an extension of the offering and reconfirmation of the investment commitment). Thereafter, we may conduct additional closings until the offering deadline. We will issue Securities in connection with each closing. Oversubscriptions will be allocated on a first come, first served basis. Changes to the offering, material or otherwise, occurring after a closing, will only impact investments which have yet to be closed.

## **Ownership and Capital Structure**

### **The Offering**

**13. Describe the terms of the securities being offered.**

We are issuing Securities at an offering price of \$1 per share.

**14. Do the securities offered have voting rights?**

The Securities are being issued with voting rights. However, so that the crowdfunding community has the opportunity to act together and cast a vote as a group when a voting matter arises, a record owner will cast your vote for you. Please refer to the record owner agreement that you sign before your purchase is complete.

**15. Are there any limitations on any voting or other rights identified above?**

You are giving your voting rights to the record owner, who will vote the Securities on behalf of all investors who purchased Securities on the Netcapital crowdfunding portal.

**16. How may the terms of the securities being offered be modified?**

Any provision of the terms of the Securities being offered may be amended, waived or modified by written consent of the majority owner(s) of the Company. We may choose to modify the terms of the Securities before the offering is completed. However, if the terms are modified, and we deem it to be a material change, we need to contact you and you will be given the opportunity to reconfirm your investment. Your reconfirmation must be completed within five business days of receipt of the notice of a material change, and if you do not reconfirm, your investment will be canceled and your money will be returned to you.

## Restrictions on Transfer of the Securities Offered

The securities being offered may not be transferred by any purchaser of such securities during the one-year period beginning when the securities were issued, unless such securities are transferred:

- to the issuer;
- to an accredited investor;
- as part of an offering registered with the U.S. Securities and Exchange Commission; or
- to a member of the family of the purchaser or the equivalent, to a trust controlled by the purchaser, to a trust created for the benefit of a member of the family of the purchaser or the equivalent, or in connection with the death or divorce of the purchaser or other similar circumstance.

The term “accredited investor” means any person who comes within any of the categories set forth in Rule 501(a) of Regulation D, or who the seller reasonably believes comes within any of such categories, at the time of the sale of the securities to that person.

The term “member of the family of the purchaser or the equivalent” includes a child, stepchild, grandchild, parent, stepparent, grandparent, spouse or spousal equivalent, sibling, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law of the purchaser, and includes adoptive relationships.

The term “spousal equivalent” means a cohabitant occupying a relationship generally equivalent to that of a spouse.

## Description of Issuer’s Securities

17. **What other securities or classes of securities of the issuer are outstanding? Describe the material terms of any other outstanding securities or classes of securities of the issuer.**

### Securities

Class of Security	Amount Authorized	Amount Outstanding	Voting Rights	Other Rights
Class A Unit	10,000,000	10,000,000	Yes	Class A Unit shall have ten (10) votes
Class B Unit	1,000,000	0	Yes	Class B Unit shall have one (1) vote

## Options, Warrants and Other Rights

None.

**18. How may the rights of the securities being offered be materially limited, diluted or qualified by the rights of any other class of securities?**

Certain Instruments of the parent company Intelligent Optical Systems, Inc., are convertible into equity interests of MISAA, LLC and this would cause dilution of ownership. It is expected that additional staff will join MISAA as the company grows and it is common to give new employees in a medical device company equity positions. The Company's Operating Agreement can be amended by the holders of the membership interest units. As minority owners, you are subject to the decisions made by the majority owners. The issued and outstanding membership interest units give management voting control of the Company. As a minority owner, you may be outvoted on issues that impact your investment, such as the issuance of new units, or the sale of debt, convertible debt or assets of the Company.

**19. Are there any differences not reflected above between the securities being offered and each other class of security of the issuer?**

The Company has granted a perpetual waiver of the transfer restrictions listed in the bylaws of the Company for all Securities sold in this Offering.

**20. How could the exercise of rights held by the principal owners identified in Question 5 above affect the purchasers of Securities being offered?**

The Company's Operating Agreement can be amended by the holders of the membership interest units. As minority owners, Class B Unit investors are subject to the decisions made by the majority owners. The issued and outstanding membership interest units give management voting control of the Company. As a minority owner, you may be outvoted on issues that impact your investment, such as the issuance of new units, or the sale of debt, convertible debt or assets of the Company. It is expected that as MISAA grows at a future date it will convert from an LLC to a C Corp. this may affect the purchaser's tax situation.

**21. How are the securities being offered being valued? Include examples of methods for how such securities may be valued by the issuer in the future, including during subsequent corporate actions.**

The price of the Securities was determined solely by management and bears no relation to traditional measures of valuation such as book value or price-to-earnings ratios. We expect that any future valuation will take the same approach.

**22. What are the risks to purchasers of the securities relating to minority ownership in the issuer?**

As the holder of a majority of the voting rights in the Company, our Members may make decisions with which you disagree, or that negatively affect the value of your investment in the Company, and you will have no recourse to change those decisions. Your interests may conflict with the interests of other investors, and there is no guarantee that the Company will develop in a way that is advantageous to you. For example, the majority members may decide to issue additional membership interest units to new investors, sell convertible debt instruments with beneficial conversion features, or make decisions that affect the tax treatment of the Company in ways that may be unfavorable to you. Based on the risks described above, you may lose all or part of your investment in the securities that you purchase, and you may never see positive returns.

**23. What are the risks to purchasers associated with corporate actions including:**

- additional issuances of securities,
- issuer repurchases of securities,
- a sale of the issuer or of assets of the issuer or
- transactions with related parties?

The issuance of additional shares of our common units will dilute your ownership. As a result, if we achieve profitable operations in the future, our net income per share will be reduced because of dilution,

and the market price of our common units, if there is a market price, could decline as a result of the additional issuances of securities. If we repurchase securities, so that the above risk is mitigated, and there are fewer shares of common units outstanding, we may not have enough cash available for marketing expenses, growth, or operating expenses to reach our goals. If we do not have enough cash to operate and grow, we anticipate the market price of our units would decline. A sale of our company or of the assets of our company may result in an entire loss of your investment. We cannot predict the market value of our company or our assets, and the proceeds of a sale may not be cash, but instead, unmarketable securities, or an assumption of liabilities. In addition to the payment of wages and expense reimbursements, we may need to engage in transactions with officers, directors, or affiliates. By acquiring an interest in the Company, you will be deemed to have acknowledged the existence of any such actual or potential related party transactions and waived any claim with respect to any liability arising from a perceived or actual conflict of interest. In some instances, we may deem it necessary to seek a loan from related parties. Such financing may not be available when needed. Even if such financing is available, it may be on terms that are materially averse to your interests with respect to dilution of book value, dividend preferences, liquidation preferences, or other terms. No assurance can be given that such funds will be available or, if available, will be on commercially reasonable terms satisfactory to us. If we are unable to obtain financing on reasonable terms, we could be forced to discontinue our operations. We anticipate that any transactions with related parties will be vetted and approved by executives(s) unaffiliated with the related parties.

**24. Describe the material terms of any indebtedness of the issuer:**

Not applicable.

**25. What other exempt offerings has MISAA, LLC conducted within the past three years?**

None.

**26. Was or is the issuer or any entities controlled by or under common control with the issuer a party to any transaction since the beginning of the issuer's last fiscal year, or any currently proposed transaction, where the amount involved exceeds five percent of the aggregate amount of capital raised by the issuer in reliance on Section 4(a)(6) of the Securities Act during the preceding 12-month period, including the amount the issuer seeks to raise in the current offering, in which any of the following persons had or is to have a direct or indirect material interest:**

1. any director or officer of the issuer;
2. any person who is, as of the most recent practicable date, the beneficial owner of 20 percent or more of the issuer's outstanding voting equity securities, calculated on the basis of voting power;
3. if the issuer was incorporated or organized within the past three years, any promoter of the issuer; or
4. any immediate family member of any of the foregoing persons.

Yes.

If yes, for each such transaction, disclose the following:

Specified Person	Relationship to Issuer	Nature of Interest in Transaction	Amount of Interest
Reuben Sandler	CEO, Board Member	Converted Loan to Equity of parent	\$300,000
Henry Lichstein	CFO	Short Term Loan to IOS	\$196,000

## Financial Condition of the Issuer

**27. Does the issuer have an operating history?**

No.

**28. Describe the financial condition of the issuer, including, to the extent material, liquidity, capital resources and historical results of operations.**

MISAA, LLC (the "Company") is presently a vessel with newly assigned assets and operations to be created in 2024. Staff and support and all other resources are currently in Intelligent Optical Systems and will be moved into the Company as funds are raised and as the Department of Army Small Business Innovation Research ("SBIR") is approved. IOS expects further SBIR-type funding for the resources necessary to support further testing and FDA approval. The relationship between IOS and the Company is as follows: IOS, Inc., is a company more than two decades old, devoted to fulfilling SBIR/STTR (Small Business Innovation Research SBIR and Small Business Technology Transfer STTR programs) contracts for government and business customers and commercializing the results. The Company has been created by IOS, Inc to commercialize one of IOS's most successful products, an In Vitro Diagnostic (IVD), the TacAssay. IOS has assigned all patent rights and patent application rights all inventions, innovations, technology, trade secrets, know-how and other intellectual property, and all other intellectual property rights related to TacAssay to MISAA. The assignment document is Exhibit E to our operating agreement, which is uploaded as a separate document, along with this Offering Statement. IOS has received 10 million Class A Units of the Company in exchange for the assignment of this intellectual property and intellectual property rights. IOS is the initial member of the Company, and the Company now seeks financing under Regulation CF and is selling Class B Units. The entire staff which has done all TacAssay product development, and which has managed the FDA approval process, all the laboratory facilities, and all the support facilities supporting the staff and involved in the product's development, and the management thereof, is with IOS at the moment. We anticipate that the next stage of TacAssay product testing and development will be paid for under a \$1.3 million SBIR contract being finalized now with the Department of Defense. The contract is expected to be signed early in Q2 of 2024 and is expected to pay for the majority of the work to be done for the FDA approval process. As staff and facilities are released from the Department of Defense contract, they will be transferred to the Company. The Company has access to a fully functioning accounting, human resources, and operational capability operated by IOS, all of which will be transferred to the Company as it is needed. The Company has an independent Board of Directors and will have its own independent operational management as its operations are set in motion. Reuben Sandler CEO and board member, converted a \$300,000 loan into equity of the parent company, IOS, and Henry Lichstein, the CFO of IOS, made a short-term Loan to IOS \$196,000 with no maturity date and no interest rate.

## Financial Information

**29. Include the financial information specified by regulation, covering the two most recently completed fiscal years or the period(s) since inception if shorter.**

See attachments:

**CPA Review Report:**

reviewletter.pdf

30. With respect to the issuer, any predecessor of the issuer, any affiliated issuer, any director, officer, general partner or managing member of the issuer, any beneficial owner of 20 percent or more of the issuer's outstanding voting equity securities, calculated in the same form as described in Question 6 of this Question and Answer format, any promoter connected with the issuer in any capacity at the time of such sale, any person that has been or will be paid (directly or indirectly) remuneration for solicitation of purchasers in connection with such sale of securities, or any general partner, director, officer or managing member of any such solicitor, prior to May 16, 2016:

1. Has any such person been convicted, within 10 years (or five years, in the case of issuers, their predecessors and affiliated issuers) before the filing of this offering statement, of any felony or misdemeanor:
  1. in connection with the purchase or sale of any security?
  2. involving the making of any false filing with the Commission?
  3. arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser, funding portal or paid solicitor of purchasers of securities?
2. Is any such person subject to any order, judgment or decree of any court of competent jurisdiction, entered within five years before the filing of the information required by Section 4A(b) of the Securities Act that, at the time of filing of this offering statement, restrains or enjoins such person from engaging or continuing to engage in any conduct or practice:
  1. in connection with the purchase or sale of any security?;
  2. involving the making of any false filing with the Commission?
  3. arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser, funding portal or paid solicitor of purchasers of securities?
3. Is any such person subject to a final order of a state securities commission (or an agency or officer of a state performing like functions); a state authority that supervises or examines banks, savings associations or credit unions; a state insurance commission (or an agency or officer of a state performing like functions); an appropriate federal banking agency; the U.S. Commodity Futures Trading Commission; or the National Credit Union Administration that:
  1. at the time of the filing of this offering statement bars the person from:
    1. association with an entity regulated by such commission, authority, agency or officer?
    2. engaging in the business of securities, insurance or banking?
    3. engaging in savings association or credit union activities?
  2. constitutes a final order based on a violation of any law or regulation that prohibits fraudulent, manipulative or deceptive conduct and for which the order was entered within the 10-year period ending on the date of the filing of this offering statement?
4. Is any such person subject to an order of the Commission entered pursuant to Section 15(b) or 15B(c) of the Exchange Act or Section 203(e) or (f) of the Investment Advisers Act of 1940 that, at the time of the filing of this offering statement:
  1. suspends or revokes such person's registration as a broker, dealer, municipal securities dealer, investment adviser or funding portal?
  2. places limitations on the activities, functions or operations of such person?
  3. bars such person from being associated with any entity or from participating in the offering of any penny stock?

If Yes to any of the above, explain:

5. Is any such person subject to any order of the Commission entered within five years before the filing of this offering statement that, at the time of the filing of this offering statement, orders the person to cease and desist from committing or causing a violation or future violation of:



1. any scienter-based anti-fraud provision of the federal securities laws, including without limitation Section 17(a)(1) of the Securities Act, Section 10(b) of the Exchange Act, Section 15(c)(1) of the Exchange Act and Section 206(1) of the Investment Advisers Act of 1940 or any other rule or regulation thereunder?
2. Section 5 of the Securities Act?
6. Is any such person suspended or expelled from membership in, or suspended or barred from association with a member of, a registered national securities exchange or a registered national or affiliated securities association for any act or omission to act constituting conduct inconsistent with just and equitable principles of trade?
7. Has any such person filed (as a registrant or issuer), or was any such person or was any such person named as an underwriter in, any registration statement or Regulation A offering statement filed with the Commission that, within five years before the filing of this offering statement, was the subject of a refusal order, stop order, or order suspending the Regulation A exemption, or is any such person, at the time of such filing, the subject of an investigation or proceeding to determine whether a stop order or suspension order should be issued?
8. Is any such person subject to a United States Postal Service false representation order entered within five years before the filing of the information required by Section 4A(b) of the Securities Act, or is any such person, at the time of filing of this offering statement, subject to a temporary restraining order or preliminary injunction with respect to conduct alleged by the United States Postal Service to constitute a scheme or device for obtaining money or property through the mail by means of false representations?

MISAA, LLC answers 'NO' to all of the above questions.

## Other Material Information

31. In addition to the information expressly required to be included in this Form, include: any other material information presented to investors; and such further material information, if any, as may be necessary to make the required statements, in the light of the circumstances under which they are made, not misleading.

Issuer extended the offering

The following documents are being submitted as part of this offering:

**Governance:**

**Certificate of Formation:** certificateofformation.pdf

**Corporate Bylaws:** corporatebylaws.pdf

**Operating Agreement:** operatingagreement.pdf

**Opportunity:**

**Offering Page JPG:** offeringpage.jpg

**Financials:**

**Additional Information:** otherfinancial.pdf

## Ongoing Reporting

**32. The issuer will file a report electronically with the Securities & Exchange Commission annually and post the report on its web site, no later than 120 days after the end of each fiscal year covered by the report:**

Once posted, the annual report may be found on the issuer's web site at: <https://tac-assay.com/>

The issuer must continue to comply with the ongoing reporting requirements until:

- the issuer is required to file reports under Section 13(a) or Section 15(d) of the Exchange Act;
- the issuer has filed at least one annual report pursuant to Regulation Crowdfunding and has fewer than 300 holders of record and has total assets that do not exceed \$10,000,000;
- the issuer has filed at least three annual reports pursuant to Regulation Crowdfunding;
- the issuer or another party repurchases all of the securities issued in reliance on Section 4(a)(6) of the Securities Act, including any payment in full of debt securities or any complete redemption of redeemable securities; or
- the issuer liquidates or dissolves its business in accordance with state law.