



Information Circular: FactorShares Trust

To: Head Traders, Technical Contacts, Compliance Officers, Heads of ETF Trading, Structured Products Traders

From: NASDAQ / BX / PHLX Listing Qualifications Department

Date: November 12, 2014

Exchange-Traded Fund

Symbol **CUSIP #**

PureFunds ISE Cyber Security ETF

HACK 30304R407

Background Information on the Fund

The FactorShares Trust (the "Trust") is a management investment company registered under the Investment Company Act of 1940, as amended (the "1940 Act"), consisting of several investment portfolios. This circular relates only to the PureFunds ISE Cyber Security ETF (the "Fund"). The shares of the Fund are referred to herein as "Shares." Factor Advisors, LLC (the "Adviser") is the investment adviser to the Fund.

The Fund seeks to provide investment results that, before fees and expenses, correspond generally to the price and yield performance of the ISE Cyber Security Index (the "Underlying Index").

The Adviser will use a "passive" or indexing approach to try to achieve the Fund's investment objective. Unlike many investment companies, the Fund does not try to "beat" the Underlying Index and does not seek temporary defensive positions when markets decline or appear overvalued.

The Fund will use a replication strategy. A replication strategy is an indexing strategy that involves investing in the securities of the Underlying Index in approximately the same proportions as in the Underlying Index. However, the Fund may utilize a representative sampling strategy with respect to the Underlying Index when a replication strategy might be detrimental to shareholders, such as when there are practical difficulties or substantial costs involved in compiling a portfolio of equity securities to follow the Underlying Index, in instances in which a security in the Underlying Index becomes temporarily illiquid, unavailable or less liquid, or as a result of legal restrictions or limitations (such as tax diversification requirements) that apply to the Fund but not the Underlying Index.

The Underlying Index tracks the performance of companies (or their depositary receipts) across the globe (i) that are a direct service provider (hardware/software developer) for cyber security and for which cyber security business activities are a key driver of the business ("Infrastructure Providers") or (ii) whose business model is defined by its role in providing cyber security services and for which cyber security business activities are a

key driver of the business ("Service Providers"). Cyber security refers to products (hardware/software) and services designed to protect computer hardware, software, networks and data from unauthorized access, vulnerabilities, attacks and other security breaches. The securities of each company in the Underlying Index must also be listed on a securities exchange. The categories of Infrastructure Providers and Service Providers are referred to herein as "sectors".

The universe of companies in the Infrastructure Providers or Service Providers sectors is determined based on proprietary research and analysis conducted by the International Securities Exchange, LLC ("ISE"), the "Index Provider". The ISE uses a variety of publicly available resources for such analysis, including financial statements and other reports published by issuers to determine whether a company is actively engaged in the Infrastructure Providers or Service Providers sector.

Companies meeting the sector criteria are screened for investibility (e.g., must not be listed on an exchange in a country which employs certain restrictions on foreign capital investment), a minimum market capitalization of \$100 million, liquidity, and an operating company structure (as opposed to a pass-through security).

Exposure to each company is capped at 20% and such that the cumulative weight of all components with an individual weight of 5% or greater do not in the aggregate account for more than 50% of the weight of the Underlying Index. Weightings are generally assigned only at the time of each rebalance of the Underlying Index, but may be adjusted in between rebalance dates if a company's weight exceeds 20% of the Underlying Index. Weightings may be adjusted by ISE to meet minimum liquidity criteria.

The Underlying Index's exposure to each sector is based on the cumulative market capitalization of index components within the sector relative to the combined market capitalization of both sectors. Each company within a sector is equally weighted at the time of each rebalance of the Underlying Index.

The Underlying Index has a semi-annual review in June and December of each year at which time the Underlying Index is reconstituted and rebalanced by ISE. Component changes are made after the market close on the third Friday of June and December and become effective at the market opening on the next trading day. Changes are announced on the Index Provider's publicly available website at least five trading days prior to the effective date.

The Underlying Index is developed and owned by the ISE, and the Underlying Index is calculated and maintained by Standard & Poor's Dow Jones Indices (SPDJI), a Division of The McGraw-Hill Companies, Inc. The ISE is independent of SPDJI, the Fund and the Adviser.

As of October 30, 2014, the Underlying Index had 30 constituents, 6 of which were foreign companies, and the three largest stocks and their weightings in the Underlying Index were VASCO Data Security International, Inc. (8.57%), Imperva, Inc. (6.08%), and Palo Alto Networks, Inc. (5.49%).

The Fund will invest at least 80% of its total assets in the component securities of the Underlying Index and in American Depositary Receipts and Global Depositary Receipts based on the component securities in the Underlying Index. The Fund may invest up to 20% of its total assets in securities that are not in the Fund's Underlying Index to the

extent that the Adviser believes such investments should help the Fund's overall portfolio track the Underlying Index.

Correlation: Correlation is the extent to which the values of different types of investments move in tandem with one another in response to changing economic and market conditions. An index is a theoretical financial calculation, while the Fund is an actual investment portfolio. The performance of the Fund and the Underlying Index may vary somewhat due to transaction costs, asset valuations, foreign currency valuations, market impact, corporate actions (such as mergers and spin-offs), legal restrictions or limitations, illiquid or unavailable securities, and timing variances.

The Adviser expects that, over time, the correlation between the Fund's performance and that of the Underlying Index, before fees and expenses, will exceed 95%. A correlation percentage of 100% would indicate perfect correlation. If the Fund uses a replication strategy, it can be expected to have greater correlation to the Underlying Index than if it uses a representative sampling strategy.

Industry Concentration Policy: The Fund will concentrate its investments (i.e., hold 25% or more of its net assets) in a particular industry or group of related industries to approximately the same extent that the Underlying Index is concentrated.

For more information regarding the Fund's investment strategy, please read the prospectus for the Fund.

As described more fully in the Trust's prospectus and Statement of Additional Information, the Fund will issue and redeem Shares on a continuous basis at their net asset value ("NAV") only in large blocks of 50,000 Shares (each, a "Creation Unit"). Creation Units will be issued and redeemed principally in-kind for securities included in the underlying index. Except when aggregated in Creation Units, the Shares may not be redeemed with the Fund.

Shares are held in book-entry form, which means that no Share certificates are issued. The Depository Trust Company or its nominee is the record owner of all outstanding Shares of the Funds and is recognized as the owner of all Shares for all purposes. The NAV per Share for the Fund is computed by dividing the value of the net assets of the Fund (i.e., the value of its total assets less total liabilities) by the total number of Shares outstanding. Expenses and fees are accrued daily and taken into account for purposes of determining NAV. The NAV of each Fund is determined each business day after the close of trading (ordinarily 4:00 p.m., Eastern Time or "ET") of the New York Stock Exchange. Any assets or liabilities denominated in currencies other than the U.S. dollar are converted into U.S. dollars at the current market rates on the date of valuation as quoted by one or more sources.

The registration statement for the Fund describes the various fees and expenses for the Fund's Shares. For a more complete description of the Fund and the underlying Index, visit the Fund's website at www.pureetfs.com.

Purchases and Redemptions in Creation Unit Size

NASDAQ members, BX members and PHLX members and member organizations are hereby informed that procedures for purchases and redemptions of Shares in Creation Unit Size are described in the Trust's prospectus and Statement of Additional Information

and that Shares are not individually redeemable but are redeemable only in Creation Unit Size aggregations or multiples thereof.

Principal Risks

Interested persons are referred to the discussion in the prospectus for the Fund of the principal risks of an investment in the Fund. These include tracking error risk (factors causing the Fund's performance to not match the performance of the underlying index), market trading risk (for example, trading halts, trading above or below net asset value), investment style risk, sector risk, investment approach risk, non-diversification risk, equity risk, cyber security companies risk and foreign securities risk.

Exchange Rules Applicable to Trading in the Shares

Trading in the Shares on NASDAQ is on a UTP basis and is subject to NASDAQ equity trading rules. Trading of the Shares on BX is on a UTP basis and is subject to BX equity trading rules. Trading of the Shares on PHLX's PSX system is on a UTP basis and is subject to PHLX rules.

Trading Hours

The values of each index underlying the Shares are disseminated to data vendors every 15 seconds. The Shares will trade on NASDAQ between 7:00 a.m. and 8:00 p.m. ET. The Shares will trade on BX between 8:00 a.m. and 7:00 p.m. ET. The Shares will trade on PSX between 9:00 a.m. and 5:00 p.m. ET. For trading during each market's pre-market and post-market sessions, market participants should note that additional risks may exist with respect to trading the Fund during these sessions, when the underlying index's values, intraday indicative value, or similar value may not be disseminated or calculated.

Dissemination of Fund Data

The Consolidated Tape Association will disseminate real time trade and quote information for the Funds to Tape B.

Fund Name	Listing Market	Trading Symbol	IOPV Symbol	NAV Symbol
PureFunds ISE Cyber Security ETF	NYSE Arca	HACK	HACK.IV	HACK.NV

Suitability

Trading in the Shares on NASDAQ will be subject to the provisions of NASDAQ Rule 2310. Trading in the Shares on BX will be subject to the provisions of BX Equity Rule 2310. Shares trading on PSX will be subject to the provisions of PHLX Rule 763. Members and member organizations recommending transactions in the Shares to customers should make a determination that the recommendation is suitable for the customer. In addition, members must possess sufficient information to satisfy the "know your customer" obligation that is embedded in both the NASDAQ Conduct Rules and the BX Conduct Rules.

NASDAQ members, BX members and PHLX members and member organizations should also review NASD Notice to Members 03-71 for guidance on trading these products. The Notice reminds members of their obligations to: (1) conduct adequate due diligence to understand the features of the product; (2) perform a reasonable-basis suitability analysis; (3) perform customer-specific suitability analysis in connection with any recommended transactions; (4) provide a balanced disclosure of both the risks and rewards associated with the particular product, especially when selling to retail investors; (5) implement appropriate internal controls; and (6) train registered persons regarding the features, risk and suitability of these products.

Trading Halts

NASDAQ will halt trading in the Shares of a Fund in accordance with NASDAQ Rule 4120. BX will halt trading in the Shares of a Fund in accordance with BX Equity Rule 4120. PHLX will halt trading in the Shares of a Fund in accordance with PHLX Rule 3100. The grounds for a halt under these rules include a halt by the primary market because the intraday indicative value of the Fund, the value of its underlying index, or a similar value are not being disseminated as required, or a halt for other regulatory reasons. In addition, NASDAQ, BX and PHLX will also stop trading the Shares of a Fund if the primary market delists the Fund.

Delivery of a Prospectus

NASDAQ members, BX members and PHLX members and member organizations should be mindful of applicable prospectus delivery requirements under the federal securities laws with respect to transactions in the Fund.

Prospectuses may be obtained through the Fund's website. The prospectus for the Funds does not contain all of the information set forth in the Fund's registration statement (including the exhibits to the registration statement), parts of which have been omitted in accordance with the rules and regulations of the Securities and Exchange Commission ("SEC"). For further information about the Fund, please refer to the registration statement.

In the event that the Fund relies upon an order by the SEC exempting the Shares from certain prospectus delivery requirements under Section 24(d) of the 1940 Act and in the future make available a written product description, NASDAQ Rules 5705 and 5740, BX Equity Rules 4420 and 4421, and PHLX Rule 803 require that members and member organizations, respectively, provide to all purchasers of Shares a written description of the terms and characteristics of such securities, in a form prepared by the Trust for the Fund, no later than the time a confirmation of the first transaction in the Shares is delivered to such purchaser. In addition, members and member organizations shall include such a written description with any sales material relating to the Shares that is provided to customers or the public. Any other written materials provided by members or member organizations to customers or the public making specific reference to the Shares as an investment vehicle must include a statement in substantially the following form: "A circular describing the terms and characteristics of the Shares of the Fund has been prepared by the Trust and is available from your broker. It is recommended that you obtain and review such circular before purchasing Shares of the Fund. In addition, upon request you may obtain from your broker a prospectus for Shares of the Fund."

Any NASDAQ, BX or PHLX member or member organization carrying an omnibus account for a non-member broker-dealer is required to inform such non-member that execution of an order to purchase Shares for such omnibus account will be deemed to constitute agreement by the non-member to make such written description available to its customers on the same terms as are directly applicable to NASDAQ members, BX members and PHLX members or member organizations under this rule.

Upon request of a customer, NASDAQ members, BX members and PHLX members or member organizations shall provide a copy of the prospectus.

Exemptive, Interpretive and No-Action Relief Under Federal Securities Regulations

The SEC has issued exemptive, interpretive or no-action relief from certain provisions of rules under the Securities Exchange Act of 1934 (the "Act") regarding trading in the above mentioned exchange-traded Fund.

Regulation M Exemptions

Generally, Rules 101 and 102 of Regulation M prohibit any "distribution participant" and its "affiliated purchasers" from bidding for, purchasing, or attempting to induce any person to bid for or purchase any security which is the subject of a distribution until after the applicable restricted period, except as specifically permitted in Regulation M. The provisions of the Rules apply to underwriters, prospective underwriters, brokers, dealers, and other persons who have agreed to participate or are participating in a distribution of securities.

The SEC has granted an exemption from Rule 101 under Regulation M to permit persons participating in a distribution of shares of the above-mentioned Fund to engage in secondary market transactions in such shares during their participation in such a distribution. In addition, the SEC has granted relief under Regulation M to permit persons who may be deemed to be participating in the distribution of Shares of the above-mentioned Fund (i) to purchase securities for the purpose of purchasing Creation Unit Aggregations of Fund Shares and (ii) to tender securities for redemption in Creation Unit Aggregations. Further, the SEC has clarified that the tender of Fund Shares to the Fund for redemption does not constitute a bid for or purchase of any of the Fund's securities during the restricted period of Rule 101. The SEC has also granted an exemption pursuant to paragraph (e) of Rule 102 under Regulation M to allow the redemption of Fund Shares in Creation Unit Aggregations during the continuous offering of Shares.

Customer Confirmations for Creation or Redemption of Fund Shares (SEC Rule 10b-10)

Broker-dealers who handle purchases or redemptions of Fund Shares in Creation Unit size for customers will be permitted to provide such customers with a statement of the number of Creation Unit Aggregations created or redeemed without providing a statement of the identity, number and price of shares of the individual securities tendered to the Fund for purposes of purchasing Creation Unit Aggregations ("Deposit Securities") or the identity, number and price of shares to be delivered by the Trust for the Fund to the redeeming holder ("Redemption Securities"). The composition of the securities required to be tendered to the Fund for creation purposes and of the securities

to be delivered on redemption will be disseminated each business day and will be applicable to requests for creations or redemption, as the case may be, on that day. This exemptive relief under Rule 10b-10 with respect to creations and redemptions is subject to the following conditions:

- 1) Confirmations to customers engaging in creations or redemptions must state that all information required by Rule 10b-10 will be provided upon request;
- 2) Any such request by a customer for information required by Rule 10b-10 will be filed in a timely manner, in accordance with Rule 10b-10(c);
- 3) Except for the identity, number and price of shares of the component securities of the Deposit Securities and Redemption Securities, as described above, confirmations to customers must disclose all other information required by Rule 10b-10(a).

SEC Rule 14e-5

An exemption from Rule 14e-5 has been granted to permit any person acting as a dealer-manager of a tender offer for a component security of the Fund (1) to redeem Fund Shares in Creation Unit Aggregations from the issuer that may include a security subject to such tender offer and (2) to purchase Fund Shares during such tender offer. In addition, a no-action position has been taken under Rule 14e-5 if a broker-dealer acting as a dealer-manager of a tender offer for a security of the Fund purchases or arranges to purchase such securities in the secondary market for the purpose of tendering such securities to purchase one or more Creation Unit Aggregations of Shares, if made in conformance with the following:

- 1) such bids or purchases are effected in the ordinary course of business, in connection with a basket of 20 or more securities in which any security that is the subject of a distribution, or any reference security, does not comprise more than 5% of the value of the basket purchased; or
- 2) purchases are effected as adjustments to such basket in the ordinary course of business as a result of a change in the composition of the underlying index; and
- 3) such bids or purchases are not effected for the purpose of facilitating such tender offer.

Section 11(d)(1); SEC Rules 11d1-1 and 11d1-2

Section 11(d)(1) of the Act generally prohibits a person who is both a broker and a dealer from effecting any transaction in which the broker-dealer extends credit to a customer on any security which was part of a new issue in the distribution of which he participated as a member of a selling syndicate or group within thirty days prior to such transaction. The SEC has clarified that Section 11(d)(1) does not apply to broker-dealers that are not Authorized Participants (and, therefore, do not create Creation Unit Aggregations) that engage in both proprietary and customer transactions in Shares of the Fund in the secondary market, and for broker-dealer Authorized Participants that engage in creations of Creation Unit Aggregations. This relief is subject to specific conditions, including the condition that such broker-dealer (whether or not an Authorized Participant) does not, directly or indirectly, receive from the fund complex any payment,

compensation or other economic incentive to promote or sell the Shares of the Fund to persons outside the fund complex, other than non-cash compensation permitted under NASD Rule 2830(I)(5)(A), (B) or (C). (See [letter](#) from Catherine McGuire, Chief Counsel, SEC Division of Market Regulation, to Securities Industry Association, Derivative Products Committee, dated November 21, 2005.) The SEC also has taken a no-action position under Section 11(d)(1) of the Act that broker-dealers may treat Shares of the Fund, for purposes of Rule 11d1-2, as "securities issued by a registered open-end investment company as defined in the Investment Company Act" and thereby extend credit or maintain or arrange for the extension or maintenance of credit on Shares that have been owned by the persons to whom credit is provided for more than 30 days, in reliance on the exemption contained in the rule.

SEC Rule 15c1-5 and 15c1-6

The SEC has taken a no-action position with respect to Rule 15c1-5 and Rule 15c1-6 as to the required disclosure of control by a broker or dealer with respect to creations and redemptions of Fund Shares and secondary market transactions therein. (See [letter](#) from Catherine McGuire, Chief Counsel, SEC Division of Market Regulation, to Securities Industry Association, Derivative Products Committee, dated November 21, 2005.)

This Information Circular is not a statutory prospectus. NASDAQ members, BX members and PHLX members and member organizations should consult the Fund's prospectus and/or the Fund's website for relevant information.

Inquiries regarding this Information Circular should be directed to:

- Will Slattery, Listing Qualifications, at 301.978.8088
- NASDAQ / BX / PSX Market Sales, at 800.846.0477