

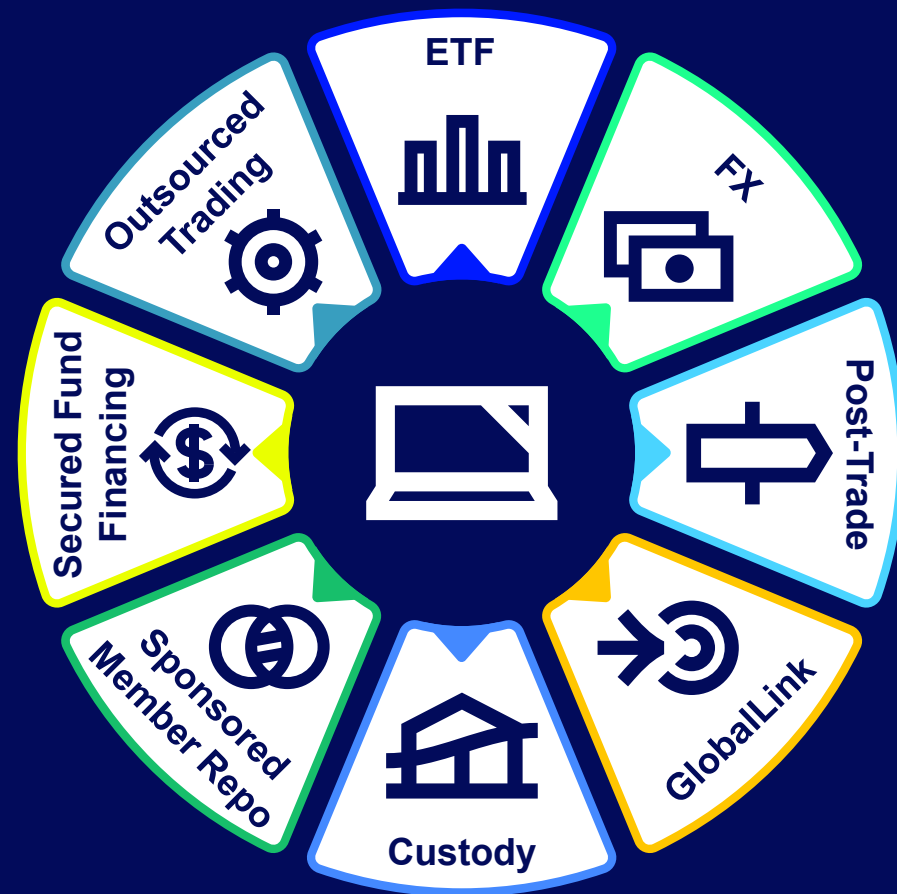


Achieving T+1 Settlement

The shift to T+1 trade settlement for United States, Canadian and Mexican securities has large implications for investment managers and the industry as a whole.

Here's how State Street is supporting our clients with offerings that help manage the move to T+1.

Learn more at statestreet.com/T-plus-1

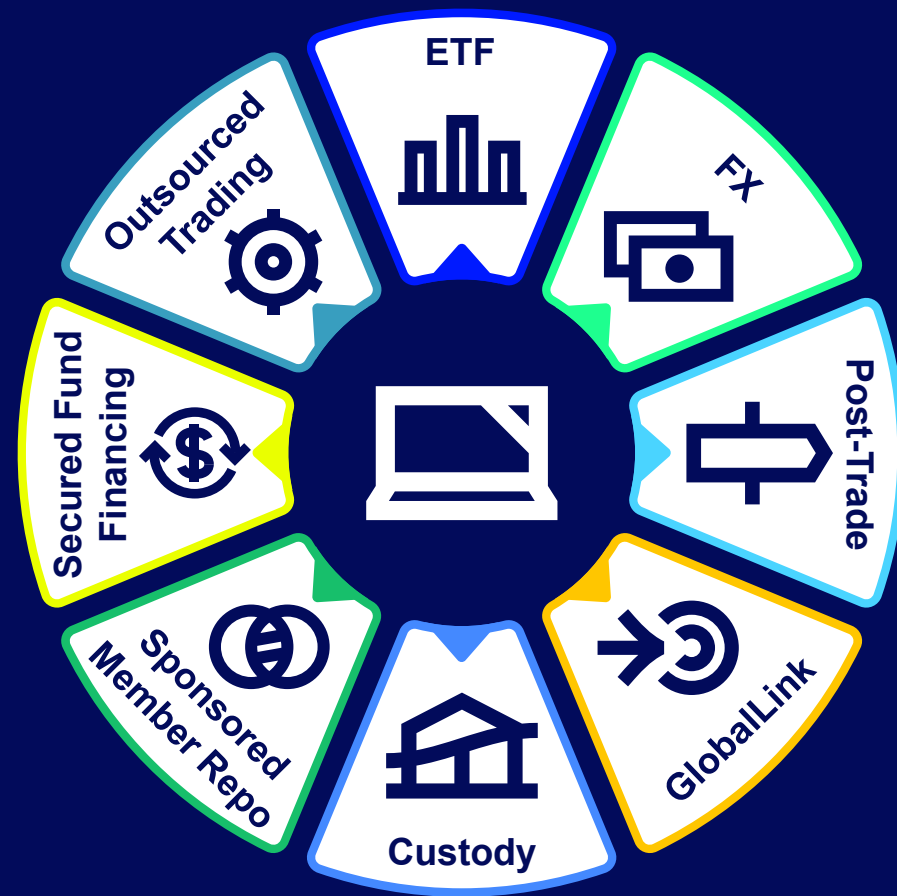




Are You Ready?

The change to T+1 is intended to reduce risk for market participants and promote greater efficiency and market liquidity, but early preparation is crucial as failure to adhere to the new deadlines may cause an increase in failed settlements and risk to a firm's reputation.

State Street has taken a proactive approach in responding to the T+1 shift by establishing an enterprise-wide response across our business lines, and has directly engaged with multiple industry groups on advocacy, planning and testing strategies.





FX (Foreign Exchange)

Our StreetFX® and Indirect FX products can help investment managers address the risks and challenges associated with T+1 FX processing.

Our rules-based FX service enables investment managers to define their FX execution strategy and completely automate the FX trade execution lifecycle.

- Integration capabilities that capture FX requirements as soon as the related security is filled and booked (DTCC ITP CTM, FIX, SWIFT, File, middle-office providers)
- Automatic generation of FX orders off the back of the linked security message- and custodian-agnostic
- Clients can set pricing schedules to meet tighter custodian payment deadlines. Same-day value pricing supported for State Street custody funds as well as third-party funds (with some exceptions)
- 24/6 high-touch oversight and triage of FX processing— from order delivery to settlement instructions to your custodian

- Automatic generation of FX orders off the back of the linked security message or standing instruction sent directly to custody records
- Choice of two services to meet your workflow needs: multiple pricing times (gross pricing) throughout the day to minimize execution window from order receipt as well as once-per-day pricing service to benefit from net pricing. Same-day value execution also available
- 24/6 high-touch oversight and triage of FX processing from order delivery to settlement



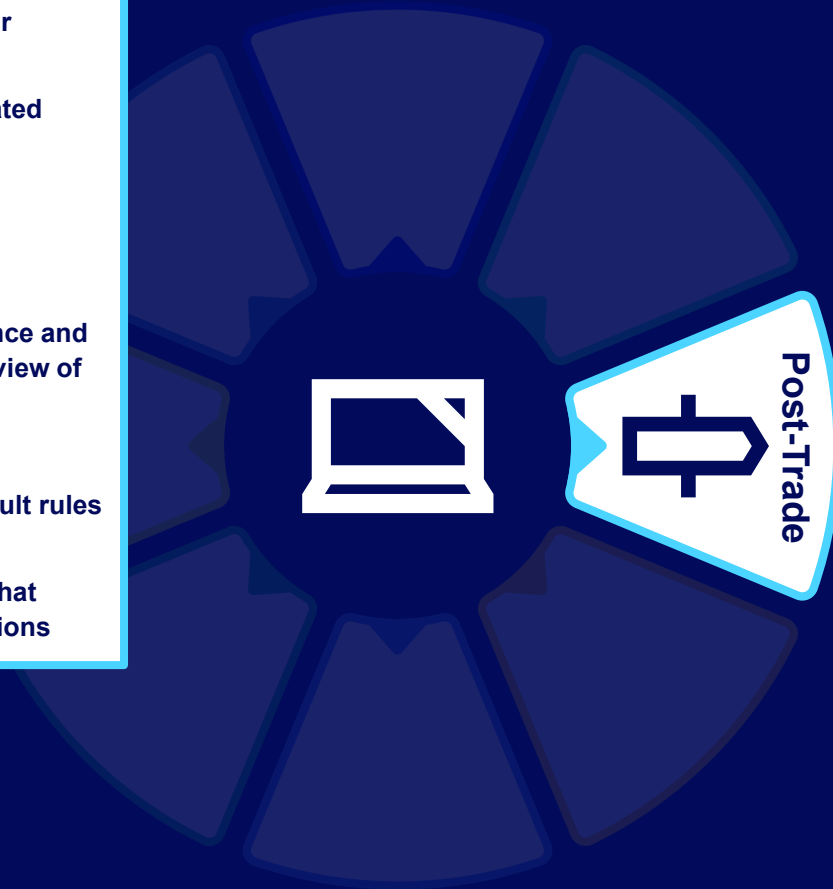


Post-Trade & Settlement

Charles River's post-trade & settlement solution supports the automated, straight-through workflows needed for a smooth transition to T+1.

We offer centralized, post-trade processing with real-time, enterprise-wide visibility with end-to-end confirmation, reconciliation, and settlement workflows.

- **Post-trade lifecycle management in one system for simplified workflows**
- **Centralized trade confirmation through an automated straight-through processing workflow**
- **Central Trade Matching (CTM) match-to-instruct functionality**
- **Fast identification of failed trades and exceptions**
- **Dealers and traders, portfolio managers, compliance and operations personnel all have the same real-time view of all post-trade processing activity**
- **Exception handling at the allocation level**
- **Consistent and accurate standing settlement default rules and instructions**
- **Automatic leverage of commission and fee rules that support override and post-trade matching corrections**





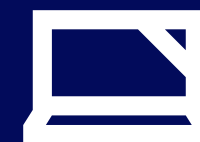
GlobalLink

Our GlobalLink suite of technology solutions offer investment managers the ability to execute trades and process post-trade confirmations across multiple banks in a seamless and timely manner.

- **FX Connect®** offers best-in-class execution and allocations features allowing users to automate and streamline their trading workflows
- **FX Connect** has developed several leading-edge automated trading features such as Auto Pilot which allows users to automatically create and submit sessions based on flexible, customized rules, and Automated Order Router (AOR) which has the ability to auto-accept trades based on personalized parameters
- Users have the ability to create and submit sessions directly from their OMS, execute and return to the OMS filled – with no manual intervention. A user can override the FX Connect's automation at any stage

- Post-execution, **TradeNeXus™** offers a centralized dashboard for post-trade confirmations and matching, with direct integration with FX Connect and Charles River® Development
- **TradeNeXus** offers customized rules for matching, netting and multiple settlement workflows including CLSTradeMonitor for clients to view their CLSSettlement trades

- **GlobalLink Digital™** platform allow users to create interoperable and customizable trading and workflow solutions with proprietary and 3rd party platforms
- **GlobalLink Digital** allows for a firm's data to be shared with platforms of their choice based on specific criteria important to that user and/or that firm, making confirmations and settlements more timely





Integrated Custody Services

Our integrated custody services offer a differentiated approach providing scale, proactive client engagement, and a singular focus on driving dedication and continuous improvement.

- Depending on client preference and requirements, State Street offers and supports three affirmation models for T+1 settlement. Direct Affirmation by the Investment Manager, a Direct Affirmation Hybrid Model and a delegation of the affirmation process to State Street
- Leverage State Street's resources and knowledge from our cross-organizational T+1 program and engagement within the industry regarding infrastructure, testing, conversion planning, and support for standardization of processes
- Member of the ALERT Global Custodian Direct (GC Direct) workflow automating the exchange of standing settlement instructions (SSIs) between a custodian's central repository and the ALERT host allowing State Street to own the SSI database creating a "Golden Copy" of SSI data
- Ability to create trade instruction from the Investment Managers automated affirmation without having to send a trade instruction
- Standing instruction service that automatically triggers FX execution from the security settlement messages available to our custody clients here at State Street
- Consult with clients using metrics to provide insight based on their specific needs

- Integration with DTCC products M2I and CTM fully automating the post trade process
- Integration with DTCC TradeSuite, an automated workflow process between the Investment Manager, the executing broker and DTCC



Custody



Sponsored Member Repo (FICC)

For managers transacting across jurisdictions, shortened USD settlement cycles in comparison to other currencies and jurisdictions may present funding gaps.

Our sponsored member repo (FICC) offering provides a highly liquid outlet to raise cash against US treasuries, providing USD liquidity to bridge funding gaps.

- Sponsored member repo allows buy-side firms to unlock the benefits of centrally cleared repo (competitive rates, high liquidity, reduced counterparty credit risk) without having to satisfy the obligations of a direct clearing member
- Counterparty Strength: FICC credit ratings: AA/A-1+ (S&P) and Aaa / P-1 (Moody's)¹
 - Sponsored member cash provider transactions are collateralized at 102%; allocated securities held in customer account at the Federal Reserve Bank of Boston

- Operational ease: We manage infrastructure and trade activity. FICC guarantees settlement for all matched trades
- Capacity with competitive pricing: Greater capacity due to central counterparty's lower risk weigh under Basel III. Proven source of liquidity, including over month and quarter ends; Sponsored member cash investors may transact until 5:00 p.m. ET, subject to market conditions



¹As of December 31, 2021 source: FICC Credit Ratings



Secured Fund Financing

For managers transacting across jurisdictions, shortened USD settlement cycles in comparison to other currencies and jurisdictions may present funding gaps that could trigger overdrafts.

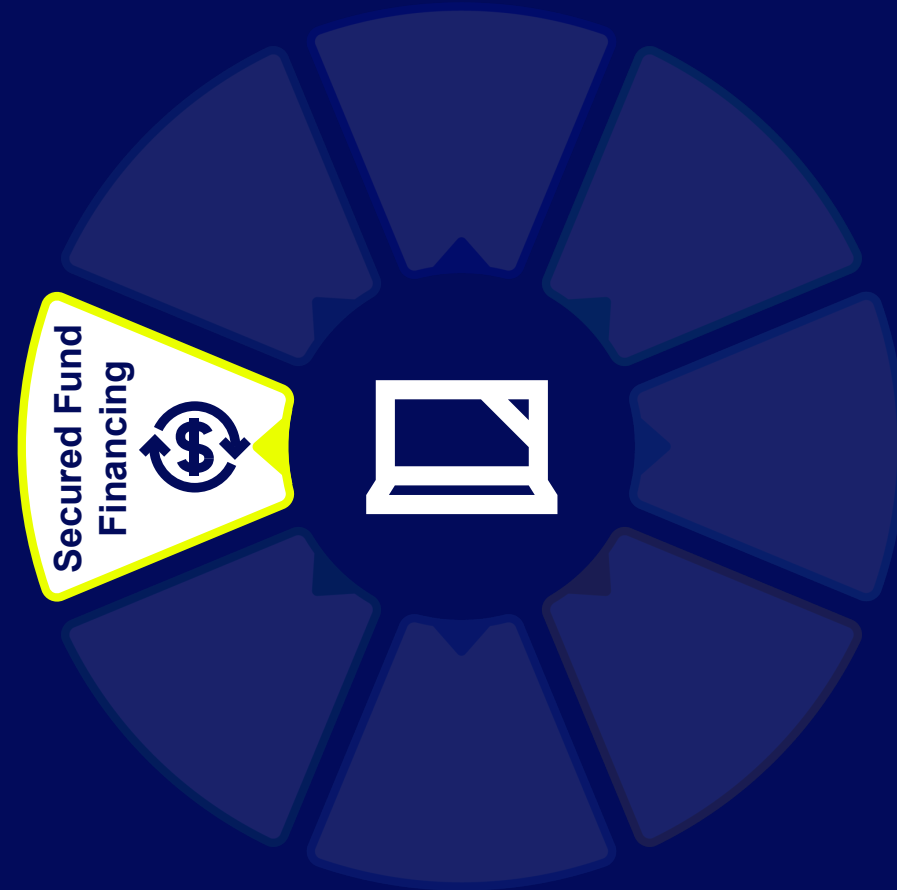
With an overdraft facility through Secured Fund Financing, a manager can pledge assets from their custody account to access cash for meeting funding gaps at flexible terms. Securities can then be rehypothecated through State Street agency lending, a transparent and low-risk alternative to traditional rehypothecation that helps make the overall facility pricing more competitive than a traditional leverage line

Improved transparency

Memo pledge long positions directly in your existing custody account, offering transparency over traditional rehypothecation. Holistic and flexible reporting on a daily, monthly or quarterly basis

Operational efficiency

Lending performed in-house by established agency program with robust operational safeguards, including dedicated counterparty risk management with client input. Expansion to existing custody relationship requires no complicated account adjustments



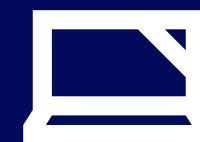


Outsourced Trading

The shift to T+1 trade settlement in the United States, Canada and Mexico has major implications for investment managers and the industry.

Our Outsourced Trading capabilities help you navigate changing regulatory landscapes and market volatility by streamlining processes, reducing costs and integrating infrastructure to focus on core competencies crucial for your growth and alpha generation.

- Our 24/6 follow-the-sun support model and global footprint has us well-positioned to support your outsourced trading needs
- With the shift to T+1, the trade allocation and affirmation process will begin in the evening (Eastern Standard Time). This can be a constraint for clients outside of North America. Our teams in global locations can facilitate and manage the settlement process in line with prescribed deadlines and avoid the risk of failed settlements



- Clients can execute with an agency, multibroker counterparty that sources and navigates liquidity from multiple channels, supported by market leading execution technology and algorithms
- Our bespoke agency liquidity pool can be leveraged to source off-market executions
- Investments in pre- and post-trade transaction cost analytics can be utilized to provide transparency, evaluate execution quality and improve execution outcomes



ETF (Exchange-Traded Fund)

State Street TotalETF can facilitate the shift to T+1 settlement for our clients and the broader industry. Managing ETFs in a T+1 environment requires a controlled, automated and expedited solution purpose-built to accommodate the nuances of the ETF lifecycle.

Our solution supports the entire lifecycle from the point of order via Fund Connect® to basket processing to primary market settlement through our ETF Global Platform.

Fund Connect

- Pre-market order window to accommodate shortened settlement times
- Displays breakout of ETF share settlement from underlying basket settlement
- Supports extended or reduced settlement cycles in addition to T+1

InvestTA / DTCC team

- Enhancement to support earlier deposit of ETF shares for further delivery to authorized participants

Industry and thought leadership

- Hosted a client and issuer roundtable to discuss the changes associated with T+1, the impact to the ETF ecosystem and the role State Street will play to support our clients during this change
- Lead Securities Industry and Financial Markets Association (SIFMA) industry discussions for ETF workflow design supporting both T+1 and T+0



ETF Global Platform

- Collateral enhancements to source prior day net (NAV) for any shortened settled orders
- Continuous net settlement (CNS) changes to support T+1 and T+0
- Collateral enhancements allow for same-day returns as well as calculation changes to reduce the collateral required



Learn more about our

T+1 solution at:

statestreet.com/T-plus-1



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GenAlpha 2021-06.

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