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# Common Securitization Platform

## Overview and Development Approach

Single Security and CSP Industry Advisory Group

July 2015

# CSP – Current Focus

- **Execute single-family securitization functions of the Enterprises**
  - Critical to ensuring a vibrant and liquid housing finance market in the near term
  - Manage the risk of launching this highly complex, large-scale system development project
    - Focus is on the well-understood current processes of the Enterprises, rather than undefined processes related to an unknown potential future state of the housing finance system
- **Ensure that the CSP uses industry standard software, systems and data requirements to allow for use by other market participants in the future**
  - Design so that additional scope and functionality can be added in later phases

# CSS Mantra / Mission / Strategic Themes

## The CSS Mantra

- ✦ Common Securitization Solutions (CSS) is partnering with Freddie Mac and Fannie Mae to define a single or common approach to securitization to improve market liquidity and reduce long-term operating costs.
- ✦ The secondary marketing road map CSS is building could be used by multiple parties to strengthen housing finance.



## The CSS Mission

CSS and its partners/customers are  
**One Team with One Mission:**

***To build the housing industry's leading platform for the issuance and management of securities.***

CSS will accomplish this by deploying innovative processes and technology to improve access to residential mortgage credit.

## Strategic Themes

- ✦ Build a low-cost and industry leading security issuance and administration engine.
- ✦ Design best in class business continuity practices
- ✦ Provide premier customer service—never miss a service level agreement—while looking for innovative ways to improve client and market efficiency
- ✦ Strive to improve our internal costs, efficiency and controls to drive regular client enhancements.
- ✦ Put the right people in the right places

# Current CSS Organization – Structure / Background

## ■ Ownership

- CSS, LLC was capitalized in November 2014, and is jointly owned by Fannie Mae and Freddie Mac

## ■ Governance

- The CSS Board of Managers has two representatives from both Fannie Mae and Freddie Mac; FHFA participates in an observer capacity
- Committee structure to assist CSS Board and Management with CSP build is in place (including representatives from FHFA, Fannie Mae, Freddie Mac and CSS)

## ■ CSS Organization Structure

- CSS is based in Bethesda, MD with a staff of approximately 350 associates and vendors. All assigned Enterprise employees are fully dedicated to CSS activities.
- CSS has developed plans to offer employment with CSS to assigned Enterprise employees

# CSS' Single Security Role and CSP Build Design

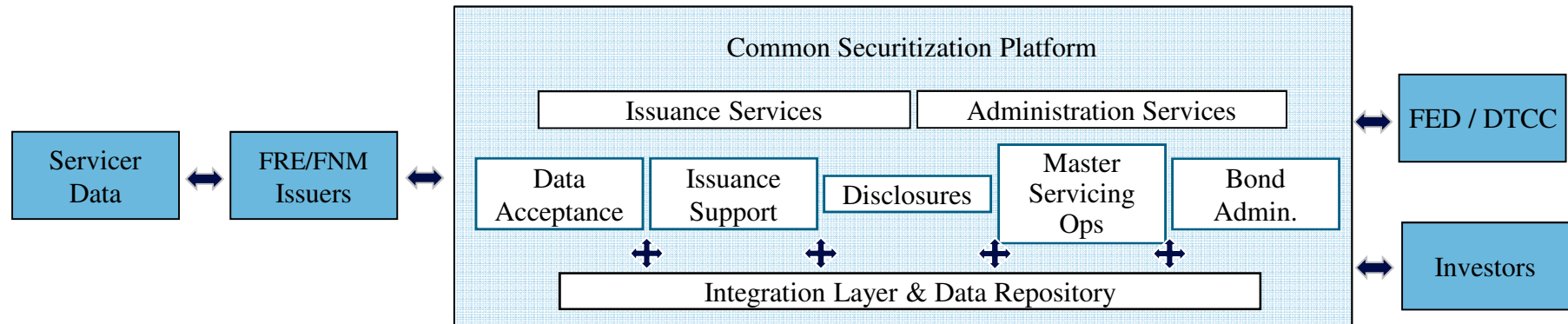
## ■ **Single Security**

- CSS is building the securitization tools to support current and new security standards
- CSS will be acting as an agent for the Enterprises
- The Enterprises will continue to interact directly with originators, servicers and investors

## ■ **CSP System Build**

- The CSP design is modular and based on an Event-Driven Service Oriented Architecture (ED SOA), with multiple standard interfaces (MISMO-based) to enable efficient connectivity with clients offering the following advantages:
  - Real time reporting back to the Enterprises
  - Simplifies adding new business capabilities by isolating interfaces and associated discrete services
- Independent parties have reviewed and support the application development logic being used (Agile Delivery Processes) and the system's architecture
- CSP is designed to meet the specific needs of the Enterprises, but the architecture is flexible and can be modified to meet evolving industry needs

# Current System Functionality and Architecture



Issuance Services

- ➔ Support issuance of securities into the marketplace and publication of disclosures to investors

Administration Services

- ➔ Provide security information, including monthly principal and interest factors to the Federal Reserve Bank of New York for payment processing, and disclosures to investors

Counterparties

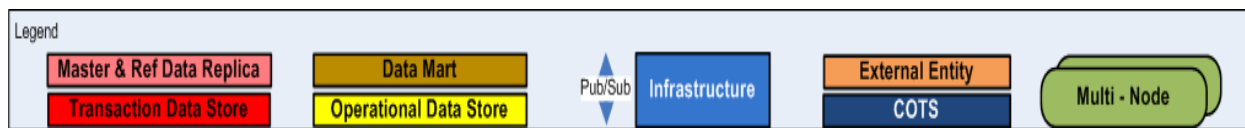
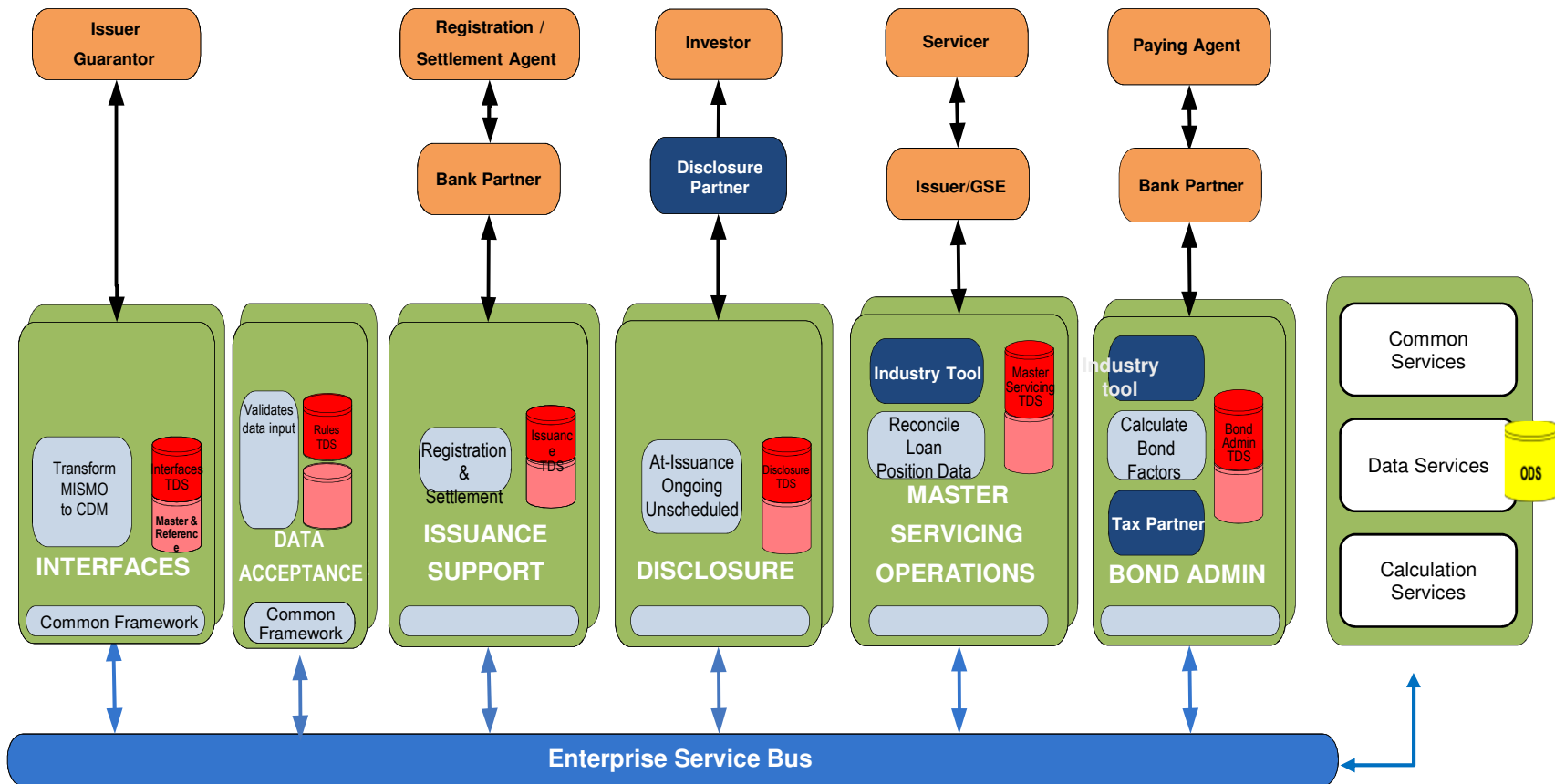
- ➔ CSP supports interaction with counterparties through standard interfaces



# Current System Functionality and Architecture

CSS is optimized for flexibility through its modular and event-based architecture

## CSP Technical Overview



# Current Multi-Year Strategy

## CSS is Transitioning From an Application Development Focus to a Broader Production Ready/Client Driven Organization

- **Application Development:** Deliver client required functionality to support the Single Security single class and multi-class operations, including platform and integration testing and defect resolution
  - CSS is building functionality on an incremental basis linked to a master schedule
  - Development takes place in Versions started every three months; Version functionality is tested by CSS during the build and then tested by the Enterprises at the completion of the Version; defects are prioritized and resolved
  - The Enterprises and CSS are targeting various end-to-end (E2E) testing, as well as Tri-party E2E and Parallel testing
  - Development includes the need to support complex cash flow and tax forecasting and reporting
- **Securitization/Business Operations:** Build the staff, process and internal systems required to support daily security activities
  - Workflow, policies / procedures and service level agreements are in place or being designed to ensure proper support of the Enterprises' needs
  - CSS is building a second site (location TBD) to ensure strong business continuity



# Current Multi-Year Strategy (continued)

## CSS is Transitioning From an Application Development Focus to a Broader Production Ready/Client Driven Organization

- **Technical Operations:** Build the technical backbone to stand up the application and business processes
  - CSS is currently building standalone infrastructure for development and testing, and designing plans for long-term production infrastructure
  - Command center and dashboards are being built to monitor system and operations performance
  - Scalable data bases are being constructed to manage significant data flow, data retention and reporting needs
  - Information security is a high priority
- **Operations Services/Administration:** Ensure robust financial and operational controls, proper human resources support, vendor management, project management, change management and detailed budgeting
  - Enterprise Risk Management team is partnering with business and technical operations to create a strong internal control structure, which will also be tested and certified by third parties

# CSP – Current Project Summary

- CSP is a complex project with a multi-year time horizon
- CSS is focused on the needs of Fannie Mae and Freddie Mac
- CSS and the Enterprises are designing and developing applications to support the Single Security single class and multi-class requirements
- CSS is working with the Single Security team to support their needs
- CSS is building standalone development/testing and production infrastructure
- CSS is building / designing all business operations and technical operations
- Multi-year timelines are continually being aligned with the Enterprises and FHFA