



Introduction to Money Market Funds Goldman Sachs Asset Management Liquidity Solutions

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What are the "money markets"?

- Money markets are a component of the financial markets that consist of assets involved in short-term borrowing and lending with maturities of one year or shorter.
- Money market securities are essentially IOUs issued by governments, financial institutions and large corporations. These instruments are typically very liquid and considered very safe. Due to their conservative nature, money market securities offer lower returns than many other securities.
- One of the main differences between the money markets and other markets is that most money market securities trade in high denominations. This limits direct access for the individual investor.

How can you gain access to these markets?

- A money market fund is the easiest way to gain access to the money markets.
- A money market fund is a mutual fund that invests in short term debt securities. These funds allow investors to participate in a more liquid, diverse and high-quality portfolio than if they were to invest individually.

Definition of a Money Market Fund



- Money market funds are regulated mutual funds that invest in high-quality, short-term debt instruments.
- They enable the investor to participate in a more diverse portfolio than they otherwise could individually.
- The highest rated money market funds are AAA-rated and maintain a stable Net Asset Value (NAV).
- Within their investment parameters, they aim to preserve capital, maintain daily liquidity and seek to maximise current income.



Understanding the Money Market Funding Engine







Taxable money market funds invest in money market instruments that have minimal mark to market volatility due to their short maturities and high credit quality and are denominated in the same currency as the fund's base currency. Derivatives, MBS, ABS and CDO are not eligible securities

Time Deposits (TD)	A deposit in an interest-paying account that requires the money to remain on account for a specific length of time
Certificates of Deposit (CD)	A debt instrument issued by a bank that will pay interest – periodically or at a maturity – and principal when it reaches maturity
Floating Rate Notes (FRN)	Debt instruments with variable interest rates
Repurchase Agreements (REPO)	An agreement between a seller and a buyer, usually of US government securities, whereby the seller agrees to repurchase the securities at an agreed price and, usually, at a stated time
Government Backed Securities	Debt instruments issued directly by governments, or by government agencies
Commercial Paper (CP)	Short-term obligations with maturities ranging from 2 to 270 days issued by banks, corporations, and other borrowers to investors with temporary idle cash
Asset Backed Commercial Paper (ABCP)	Asset Backed Commercial Paper is similar to traditional commercial paper in that it is issued with maturities of one year or less and is highly rated. The difference between ABCP and CP is that instead of being an unsecured promissory note representing an obligation of the issuing company, ABCP is backed by securities. Therefore, the perceived quality of the ABCP depends on the underlying securities

Source: GSAM. As of June 2020

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When compared to bank deposits, Money Market Funds (MMFs) offer the following benefits:

Segregated Assets – MMFs are structured as segregated entities (typically investment companies) that own the underlying assets but which are held separately from the asset manager by an independent custodian. By contrast, bank deposits are unsecured liabilities on a bank's balance sheet.

Diversified Counterparty Risk– MMFs are inherently diversified by virtue of investing in a broad portfolio of underlying assets. As a result, such MMFs have better diversification than a single bank's deposits, which present single counterparty risk.

Liquidity Benefits– MMFs invest in a large proportion of highly liquid securities to offer investors same-day (T+0) or next-day (T+1) liquidity. Unlike some bank deposits, redemptions can be carried out with no minimum transaction size, lock-up period or penalties.

Balance Between Stability, Liquidity and Yield

The risk / return tradeoff in liquidity investing





Identifying Liquidity Characteristics

Cash Flow Patterns and Investment Horizon



Asset Management



	Primary liquidity	Secondary liquidity	Tertiary liquidity
Investment horizon	0 to 12 months	12 months or longer	Indefinite
Cash flow volatility	High	Low	Very low
Objective	Preservation of capital and immediate liquidity	Enhanced return and preservation of capital	Greater emphasis on maximising return potential
Strategy	Money Market	Short Duration	Broad Fixed Income

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Repurchase Agreements (Repo)

Overview and Triparty Flow





Goldmar Sachs

Asset Management

Asset-Backed Commercial Paper

Overview



Asset Management

Description	 ABCP is issued by a special purpose vehicle ("SPV") with severe restrictions on activities. 			
	SPV issues ABCP to purchase liquid or fast-turning income-producing assets.			
	Cash flows on assets are used to pay maturing ABCP or to reinvest in new assets.			
	ABCP holders are protected by asset cash flows, credit enhancement and backup liquidity.			
Rationale	Low cost financing of high-quality assets.			
	Funding diversity.			
	Balance sheet management.			
	Liquidity through asset sales.			
Market Overview	Approximately \$300 billion in ABCP outstanding.			
Investor Considerations	ABCP lends itself to actuarial credit analysis by rating agencies and investors.			
	 ABCP generally carries high short-term ratings (A-1/P-1/F-1 and higher). 			
	 ABCP investors focus on asset quality and program structure, not "traditional" elements (e.g., cash generation and the overall health of an issuer's business). 			
	ABCP has certain legal/credit characteristics that are not possessed by traditional issuers, including insulation from event risk, obligor diversification, and analysable liquid assets.			
	ABCP programs tend to have stable (or continuously increasing) outstandings with flexible maturities and block size availability, because they are not subject to the working capital and cash flow requirements of traditional issuers.			
Ok				
Obligor Special Purchase Cash Purchaser				
Obligor				
U	Credit Enhancement			
* Courses Investment Com				
Source. investment Com	pany Institute, December 2014.			

Disclosures



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