

Comparison of tokenization smart contract frameworks

	CMTAT Solidity code	ERC-1400	ERC-3643
Version compared	CMTAT 2.3.0 (https://github.com/CMTA/CMTAT/releases/tag/v2.3.0)	polymath-core (https://github.com/PolymathNetwork/polymath-core)	Tokeny's T-Rex (https://github.com/TokenySolutions/T-REX)
ERC-20	yes	yes	yes
Transfer restriction	yes	yes	yes
On-chain identity management			yes
Document management	yes	yes	
Whitelist management	yes	yes	yes
Token contract pause	yes	yes	yes
Snapshots/checkpoints	yes	yes	
Explicit support of debt instruments	yes		
Third-party security audit	yes	yes	yes
Role-based access control	yes	yes	Partial (only one role Agent)
Security identifiers	yes		
Mint & burn to any address	yes	yes	yes
Forced transfer function	Realized as burn-and-mint	yes	yes
Partially fungible token support		yes	
Contract version tracking		yes	yes
Gasless support (ERC-2771)	yes		
Customizable modular design	yes		
License	MPL 2.0 (permissive)	Apache 2.0 (permissive)	GPL 3.0 (copyleft)