

Combined DIDO

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- c. Abstract
- d. Copyright Notice
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 - Application
 - Application Programming Interface (API)
 - Application Specific Integrated Circuit (ASIC)
- Assurance
- Authorization
- Glossary B Terms
- Bitcoin Wallet
- Block Producers
- Block Validators
- Blockchain
- Blockchain Network
- Brownfield
- Bylaws
- Byzantine Fault Tolerance (BFT)
- Byzantine Generals Problem
- Glossary C Terms
- Central Processing Unit (CPU)
- Charter
- Coins
- Command Line Interface (CLI)
- Common Intermediate Language (CIL)
- Common Language Runtime (CLR)
- Communication Protocol
- Community of Interest (CoI)
- Configuration Management (CM)
- Consensus Algorithm
- Copyleft
- Glossary D Terms
- Data as a Service (DaaS)
- DataBase Management System (DBMS)
- Data Distribution Service (DDS)
- Data Model (DM)
- Data Protection
- Datastore
- de facto Standards Bodies
- Delegated Byzantine Fault Tolerant (dBFT)
- Delegated Proof of Stake (DPoS)
- Department of Defense (DoD)
- Directed Acyclic Graph (DAG)

- [Disconnected, Intermittent and Limited \(DIL\)](#)
- [Distributed Application \(DApp or DApp\)](#)
- [Distributed Immutable Data Objects \(DIDO\)](#)
- [Distributed Ledger Technology \(DLT\)](#)
- [Domain Name System \(DNS\)](#)
- [Glossary E Terms](#)
- [Elastic Compute Cloud \(EC2\)](#)
- [Endianness](#)
- [Ethereum Improvement Proposal \(EIP\)](#)
- [Ethereum Request for Comment \(ERC\)](#)
- [Glossary F Terms](#)
- [Fifty-One Percent \(51% Attack\)](#)
- [Financial Instrument Global Identifier \(FIGI\)](#)
- [FIGI Symbology](#)
- [Full Node](#)
- [Fungible](#)
- [Glossary G Terms](#)
- [General Data Protection Regulation \(GDPR\)](#)
- [Google Mobile Services \(GMS\)](#)
- [Graphical User Interface \(GUI\)](#)
- [Graphics Processing Unit \(GPU\)](#)
- [Greenfield](#)
- [Glossary H Terms](#)
- [Hard Fork](#)
- [Health Insurance Portability and Accountability Act \(HIPAA\)](#)
- [Hybrid Network](#)
- [Hype-Cycle](#)
- [Glossary I Terms](#)
- [Identification](#)
- [Immutable](#)
- [Industrial Internet of Things \(IIoT\)](#)
- [Information Assurance \(IA\)](#)
- [Information Security \(IS/InfoSec\)](#)
- [Information Technology \(IT\)](#)
- [Infrastructure-as-a-Service \(IaaS\)](#)
- [Initial Coin Offering \(ICO\)](#)
- [Intellectual Property \(IP\)](#)
- [Interface](#)
- [Internet of Things \(IOT\)](#)
- [Internet Protocol \(IP\)](#)
- [Glossary J Terms](#)
- [Just-In-Time \(JIT\)](#)
- [Glossary K Terms](#)
- [Know Your Customer \(KYC\)](#)
- [Glossary L Terms](#)
- [Ledger](#)
- [License Distribution](#)
- [License Linking](#)

- License Modification
- License Patent Grant
- License Private Use
- Licensing Sublicensing
- Licensing Trademark Grant
- Lightning Network
- Light Node
- Glossary M Terms
- Maintainability Measure
- Message Queue(MQ)
- Micropayment Channel
- Miner Node
- Mission Assurance (MA)
- Multi-Signature (multisig)
- Glossary N Terms
- Network Traffic Analyzer
- Node
- Node Network
- Glossary O Terms
- Open Source Software (OSS)
- Operating System (OS)
- Operational transformation (OT)
- Oracle
- Glossary P Terms
- Parliamentary Authority
- Payment Channel
- Pedigree
- Peer-to-Peer (P2P)
- Performance Efficiency Measure
- Permissioned Networks
- Permissionless Networks
- Permissive Open Source Software
- Platform-as-a-Service (PaaS)
- Platform Independent Model (PIM)
- Platform Specific Model (PSM)
- Policy
- Principle
- principles
- Private Network
- Procedure
- Proof of Authority (PoA)
- Proof of Stake (PoS)
- Proof of Work (PoW)
- Provenance
- Public Network
- Glossary Q Terms
- Glossary R Terms
- Reference Architecture (RA)

- [Registered Agent](#)
- [Relational DataBase Management System \(RDBMS\)](#)
- [Reliability Measure](#)
- [Representational State Transfer \(REST\)](#)
- [Request For Comment \(RFC\)](#)
- [Request For Information \(RFI\)](#)
- [Request For Proposal \(RFP\)](#)
- [RESTful API](#)
- [Rich Site Summary \(RSS\)](#)
- [Risk](#)
- [Glossary S Terms](#)
- [Safety Assurance \(SfA\)](#)
- [Salami Slicing](#)
- [Sarbanes-Oxley Act \(SOX\)](#)
- [Security Measure](#)
- [Semantic Web](#)
- [Simple Payment Verification \(SPV\)](#)
- [Smart Contract](#)
- [Snapshot](#)
- [Soft Fork](#)
- [Software as a Service \(SaaS\)](#)
- [Software Assurance \(SwA\)](#)
- [Special Interest Group \(SIG\)](#)
- [Special Rules](#)
- [Stakeholder](#)
- [Standards Developing Organization \(SDO\)](#)
- [standards_organization](#)
- [Standing Rules](#)
- [Statute](#)
- [Straight-through Processing \(StP\)](#)
- [System Assurance \(SysA\)](#)
- [Systems and software Quality Requirements and Evaluation \(SQuaRE\)](#)
- [Glossary T Terms](#)
- [Tangle](#)
- [Taxonomy](#)
- [Technical Standard](#)
- [Tokens](#)
- [Transmission Control Protocol \(TCP\)](#)
- [Glossary U Terms](#)
- [Unified Modeling Language \(UML\)](#)
- [UNIX](#)
- [Glossary V Terms](#)
- [Virtual Machine \(VM\)](#)
- [Glossary W Terms](#)
- [Weight of Network](#)
- [Glossary X Terms](#)
- [Glossary Y Terms](#)
- [Glossary Z Terms](#)

- Appendix B: Standards Organizations
- Technical Standards Bodies
- Apache Software Foundation (ASF)
- Apache License, Version 2.0 (Apache-2.0)
- ECMA International
- ECMA: Standard ECMA-262 - ECMAScript® 2018 Language Specification (Javascript)
- ECMA: Standard ECMA-334 - C# Language Specification
- ECMA: Standard ECMA-335 - Common Language Infrastructure (CLI)
- ECMA: Technical Report TR/84 - Common Language Infrastructure (CLI) - Information Derived from Partition IV XML File
- ECMA: Technical Report TR/89 - Common Language Infrastructure (CLI) - Common Generics
- Institute of Electrical and Electronics Engineers (IEEE)
- IEEE 1003.1-2017 - IEEE Standard for Information Technology--Portable Operating System Interface (POSIX(R)) Base Specifications
- Internet Engineering Task Force (IETF)
- RFC0147 - The Definition of a Socket
- RFC0768 - User Datagram Protocol (UDP)
- RFC0791 - Internet Protocol (IPv4)
- RFC0793 - Transmission Control Protocol
- RFC1034 - Domain Names - Concepts and Facilities
- RFC1035 - Domain Names - Implementation and Specification
- RFC1112 - Host Extensions for IP Multicasting
- RFC1831 - Remote Procedure Call Protocol Specification Version 2 (RPC)
- RFC2104 - Keyed-Hashing for Message Authentication (HMAC)
- RFC2246 - The TLS Protocol
- RFC2315 - Cryptographic Message Syntax
- RFC2426 - vCard MIME Directory Profile
- RFC2460 - Internet Protocol, Version 6 (IPv6) Specification
- RFC2818 - HTTP Over TLS (HTTPS)
- RFC3339 - Date and Time on the Internet: Timestamps
- RFC3447 - PKCS #1: RSA Cryptography Specifications
- RFC3596 - DNS Extension to support IP Version 6
- RFC4122 - A Universally Unique Identifier (UUID) URN Namespace
- RFC5011 - Automated Updates of DNS Security (DNSSEC) Trust Anchors
- RFC5424 - The Syslog Protocol (SYSLOG)
- RFC6101 - The Secure Sockets Layer (SSL) Protocol Version 3.0
- RFC6376 - DomainKeys Identified Mail (DKIM) Signatures
- RFC6455 - The WebSocket Protocol
- RFC6749 - The OAuth 2.0 Authorization Framework
- RFC6750 - The OAuth 2.0 Authorization Framework: Bearer Token Usage
- RFC6891 - Extension Mechanisms for DNS (EDNS(0))
- RFC6979 - Deterministic Usage of the Digital Signature Algorithm (DSA) and Elliptic Curve Digital Signature Algorithm (ECDSA)
- RFC7061 - eXtensible Access Control Markup Language (XACML) XML Media Type
- RFC7235 - Hypertext Transfer Protocol (HTTP/1.1): Authentication
- RFC8259 - The JavaScript Object Notation (JSON) Data Interchange Format
- International Organization for Standardization (ISO)
- ISO/IEC 19506:2012 Architecture-Driven Modernization (ADM) -- Knowledge Discovery Meta-Model

(KDM)

- ISO/IEC 23360-1:2006 Linux Standard Base (LSB) core specification 3.1 -- Part 1: Generic specification
- ISO 9001:2015 Quality management
- ISO/IEC/IEEE 90003:2018 Software engineering - Guidelines for the application of ISO 9001:2015 to computer software
- ISO/IEC/IEEE 25000:2014 SQuaRE -- Guide to SQuaRE
- ISO/IEC 25001:2014 SQuaRE -- Planning and Management
- ISO/IEC 25010:2011 SQuaRE -- System and Software Quality Models
- ISO/IEC 25012:2008 SQuaRE -- Data Quality Model
- ISO/IEC 25020:2007 SQuaRE -- Measurement Reference Model and Guide
- ISO/IEC 25021:2012 SQuaRE -- Quality Measure Elements
- ISO/IEC 25022:2016 SQuaRE -- Measurement of Quality in Use
- ISO/IEC 25023:2016 SQuaRE -- Measurement of System and Software Product Quality
- ISO/IEC 25024:2015 SQuaRE -- Measurement of Data Quality
- ISO/IEC 25030:2007 SQuaRE -- Quality Requirements
- ISO/IEC 25040:2011 SQuaRE -- Evaluation Process
- ISO/IEC 25041:2012 SQuaRE -- Evaluation Guide for Developers, Acquirers and Independent Evaluators
- ISO/IEC 25045:2010 SQuaRE -- Evaluation Module for Recoverability
- ISO/IEC 9899:2018 Programming languages -- C
- ISO/IEC 14882:2017 Programming languages -- C++
- ISO/IEC 22275:2018 Programming Languages - ECMAScript Specification Suite
- ISO 8601-1:2019 Date and time -- Representations for information interchange -- Part 1: Basic rules
- ISO 8601-2:2019 Date and time -- Representations for information interchange -- Part 2: Extensions: Basic rules
- ISO/IEC/IEEE 15288:2015 Systems and software engineering -- System life cycle processes
- ISO/IEC 9834-8:2014 Information technology -- Procedures for the operation of object identifier registration authorities -- Part 8: Generation of universally unique identifiers (UUIDs) and their use in object identifiers
- International Telecommunications Union (ITU)
- ITU-T Y.2060 - Overview of the Internet of things
- National Institute of Standards and Technology (NIST)
- NIST: FIPS PUB 186-4: Digital Signature Standard (DSS)
- NIST: SP 800-89: Recommendation for Obtaining Assurances for Digital Signature Applications
- NIST: SP 800-126: The Technical Specification for the Security Content Automation Protocol (SCAP)
- Organization for the Advancement of Structured Information Standards (OASIS)
- OASIS: Assertions and Protocols for the OASIS Security Assertion Markup Language (SAML)
- OASIS: eXtensible Access Control Markup Language (XACML)
- Object Management Group (OMG)
- OMG: Automated Source Code CISQ Measures (ASCQM)
- OMG: Automated Source Code CISQ Maintainability Measure (ASCMM)
- OMG: Automated Source Code CISQ Security Measure (ASCSM)
- OMG: Automated Source Code CISQ Performance Efficiency Measure (ASCPem)
- OMG: Automated Source Code CISQ Reliability Measure (ASCRM)
- OMG: CISQ Automated Enhancement Points (AEP)
- OMG: CISQ Automated Function Points (AFP)
- OMG: CISQ Automated Technical Debt Measure (ATDM)

- [OMG: Case Management Model and Notation \(CMMN\)](#)
- [OMG: Data Distribution Service \(DDS\)](#)
- [OMG: DDS Interoperability Wire Protocol \(DDSI-RTSPS\)](#)
- [OMG: ISO/IEC C++ 2003 Language DDS PSM \(DDS-PSM-Cxx\)](#)
- [OMG: Java 5 Language PSM for DDS \(DDS-Java\)](#)
- [OMG: OPC-UA/DDS Gateway \(DDS-OPCUA\)](#)
- [OMG: RPC Over DDS \(DDS-RPC\)](#)
- [OMG: DDS Security \(DDS-SECURITY\)](#)
- [OMG: Web-Enabled DDS \(DDS-WEB\)](#)
- [OMG: DDS Consolidated XML Syntax \(DDS-XML\)](#)
- [OMG: DDS For Extremely Resource Constrained Environments \(DDS-XRCE\)](#)
- [OMG: Extensible and Dynamic Topic Types for DDS \(DDS-XTypes\)](#)
- [OMG: Interface Definition Language \(IDL\)](#)
- [OMG: Ontology Definition Metamodel \(ODM\)](#)
- [OMG: Semantics Of Business Vocabulary and Rules \(SBVR\)](#)
- [OMG: Structured Assurance Case Metamodel \(SACM\)](#)
- [OMG: Structured Metrics Metamodel \(SMM\)](#)
- [OMG: Systems Modeling Language \(SysML\)](#)
- [OMG: Unified Architecture Framework \(UAF\)](#)
- [Open Source Initiative \(OSI\)](#)
- [OSI: The 2-Clause BSD License \(BSD-2-Clause\)](#)
- [OSI: The 3-Clause BSD License \(BSD-3-Clause\)](#)
- [OSI: GNU Library General Public License version 2 \(LGPL-2.0\)](#)
- [OSI: GNU Lesser General Public License version 2.1 \(LGPL-2.1\)](#)
- [OSI: GNU General Public License version 3 \(GPL-3.0\)](#)
- [OSI: The MIT License \(MIT\)](#)
- [OSI: Common Public License, Version 1.0 \(CPL-1.0\)](#)
- [OSI: Eclipse Public License Version 2.0 \(EPL-2.0\)](#)
- [OSI: Mozilla Public License \(MPL-2.0\)](#)
- [World Wide Web Consortium \(W3C\)](#)
- [W3C: Cascading Style Sheets Level 2 Revision 2 \(CSS 2.2\) Specification](#)
- [W3C: Decentralized Identifiers \(DIDs\) 1.0](#)
- [W3C: Document Object Model \(DOM\) Level 3 Core Specification](#)
- [W3C: HTML5 \(HTML5\)](#)
- [W3C: OWL 2 Web Ontology Language - Structural Specification and Functional-Style Syntax \(second Edition\)](#)
- [W3C: RDF 1.1 Concepts and Abstract Syntax \(RDF\)](#)
- [W3C: RDF 1.1 Terse RDF Triple Language \(Turtle\)](#)
- [W3C: SPARQL 1.1 Overview \(SPARQL\)](#)
- [W3C: Extensible Markup Language \(XML\) 1.0 \(Fifth Edition\)](#)
- [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 1: Structures](#)
- [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 2: Datatypes](#)
- [W3C: XSL Transformations \(XSLT\) Version 3.0](#)
- [W3C: XML Path Language \(XPath\) 3.1](#)
- [de facto Standards Bodies](#)
- [Amazon](#)
- [Apache Software Foundation \(ASF\)](#)
- [Apache: Log4j](#)

- [Apache: Log4cxx](#)
- [Apache: log4php](#)
- [Apache: log4net](#)
- [Apache: log4jscala](#)
- [Apple](#)
- [Apple: Darwin](#)
- [Apple: iOS](#)
- [Apple: MacOS](#)
- [Bitcoin](#)
- [Bitcoin: Bitcoinj Developer's Documentation](#)
- [Bitcoin: Developer's Guidance](#)
- [Bitcoin: Guide 1 Blockchain](#)
- [Bitcoin: Guide 2 Transactions](#)
- [Bitcoin: Guide 3 Contracts](#)
- [Bitcoin: Guide 4 Wallets](#)
- [Bitcoin: Guide 5 Payment Processing Guide](#)
- [Bitcoin: Guide 6 Operating Modes](#)
- [Bitcoin: Guide 7 Peer-to-Peer Networks](#)
- [Bitcoin: Guide 8 Mining](#)
- [Bitcoin: Bitcoin Improvement Proposals \(BIPs\)](#)
- [BIP 0011 - M-of-N Standard Transactions](#)
- [BIP 0013 - Address Format for pay-to-script-hash](#)
- [BIP 0014 - Protocol Version and User Agent](#)
- [BIP 0021 - URI Scheme](#)
- [BIP 0022 - getblocktemplate - Fundamentals](#)
- [BIP 0023 - getblocktemplate - Pooled Mining](#)
- [BIP 0031 - Pong message](#)
- [BIP 0035 - mempool message](#)
- [BIP 0037 - Connection Bloom filtering](#)
- [BIP 0061 - Reject P2P message](#)
- [BIP 0070 - Payment Protocol](#)
- [BIP 0071 - Payment Protocol MIME types](#)
- [BIP 0072 - bitcoin: uri extensions for Payment Protocol](#)
- [BIP 0073 - Use "Accept" header for response type negotiation with Payment Request URLs](#)
- [BIP 0137 - Signatures of Messages using Private Keys](#)
- [BIP 0144 - Segregated Witness \(Peer Services\)](#)
- [BIP 0145 - getblocktemplate Updates for Segregated Witness](#)
- [BIP 0016 - Pay to Script Hash \(soft fork\)](#)
- [BIP 0030 - Duplicate transactions \(soft fork\)](#)
- [BIP 0034 - Block v2, Height in Coinbase \(soft fork\)](#)
- [BIP 0042 - A finite monetary supply for Bitcoin \(soft fork\)](#)
- [BIP 0065 - OP_CHECKLOCKTIMEVERIFY \(soft fork\)](#)
- [BIP 0068 - Relative lock-time using consensus-enforced sequence numbers \(soft fork\)](#)
- [BIP 0091 - Reduced threshold Segwit MASF \(soft fork\)](#)
- [BIP 0112 - CHECKSEQUENCEVERIFY \(soft fork\)](#)
- [BIP 0113 - Median time-past as endpoint for lock-time calculations \(soft fork\)](#)
- [BIP 0141 - Segregated Witness \(Consensus layer\) \(soft fork\)](#)
- [BIP 0143 - Transaction Signature Verification for Version 0 Witness Program \(soft fork\)](#)

- BIP 0147 - Dealing with dummy stack element malleability (soft fork)
- BIP 0148 - Mandatory activation of segwit deployment (soft fork)
- Consortium for Information & Software Quality (CISQ)
- Ethereum
- Ethereum: Solidity Language Specification
- Ethereum: Ethereum Virtual Machine (EVM)
- Ethereum: Ethereum Improvement Proposals (EIPs)
- EIP 20: ERC-20 Token Standard
- EIP 55: Mixed-case checksum address encoding
- EIP 137: Ethereum Domain Name Service - Specification
- EIP 141: Designated invalid EVM instruction
- EIP 155: Simple replay attack protection
- EIP 162: Initial ENS Hash Registrar
- EIP 165: ERC-165 Standard Interface Detection
- EIP 181: ENS support for reverse resolution of Ethereum addresses
- EIP 190: Ethereum Smart Contract Packaging Standard
- EIP 191: Signed Data Standard (DRAFT)
- EIP 211: New opcodes: RETURNDATASIZE and RETURNDATACOPY
- EIP 214: New opcode STATICCALL
- EIP 721: ERC-721 Non-Fungible Token Standard
- EIP 777: ERC-777 Token Standard
- EIP 1167: Minimal Proxy Contract
- EIP 1820: Pseudo-introspection Registry Contract
- EIP 107: safe "eth_sendTransaction" authorization via html popup (DRAFT)
- EIP 234: `blockHash` to JSON-RPC filter options (DRAFT)
- EIP 695: Create `eth_chainId` method for JSON-RPC (DRAFT)
- EIP 712: Ethereum typed structured data hashing and signing (DRAFT)
- EIP 758: ERC-NN Subscriptions and filters for completed transactions (DRAFT)
- EIP 1102: Opt-in account exposure (DRAFT)
- EIP 1186: RPC-Method to get Merkle Proofs - eth_getProof (DRAFT)
- EIP 1193: Ethereum Provider JavaScript API (DRAFT)
- EIP 1474: Remote Procedure Call (RPC) specification (DRAFT)
- EIP 1767: GraphQL interface to Ethereum node data (DRAFT)
- EIP 1803: ERC-NN Rename opcodes for clarity (DRAFT)
- EIP 1898: ERC-NN Add `blockHash` to JSON-RPC methods which accept a default block parameter (DRAFT)
- Ethereum: Clients
- Ethereum: cpp Project
- Ethereum: Ethereumh Project
- Ethereum: Ethereumjs-lib Project
- Ethereum: Ethereum_j Project
- Ethereum: Go-ethereum Project
- Ethereum: Parity Project
- Ethereum: Pyethapp Project
- Ethereum: Ruby-ethereum Project
- Google
- Google: Android
- Google: Go (software language)

- [Google: gRPC](#)
- [Google: Protocol Buffers](#)
- [IOTA](#)
- [Linux Foundation](#)
- [Linux Foundation: Hyperledger](#)
- [Linux Foundation: OpenJS Foundation](#)
- [Kubernetes](#)
- [Node.js](#)
- [Linux Foundation: Open Middleware Agnostic Messaging API \(OpenMAMA\)](#)
- [Linux Foundation: Open Messaging](#)
- [ISO/IEC The Linux Standard Base 5 Specification Series \(LSB 5\)](#)
- [Microsoft](#)
- [Microsoft: Windows API](#)
- [Oracle](#)
- [Oracle: The Java® Language Specification SE 8 Edition](#)
- [Oracle: The Java® Virtual Machine Specification JVM](#)
- [Oracle: Java logger API](#)
- [Talk Openly Develop Openly \(TODO\)](#)
- [TODO: How to create an open source program](#)
- [TODO: Measuring your open source program's success](#)
- [TODO: Tools for managing open source programs](#)
- [TODO: Using open source code](#)
- [TODO: Participating in open source communities](#)
- [TODO: Recruiting open source developers](#)
- [TODO: Starting an open source project](#)
- [TODO: Improve your open source development impact](#)
- [TODO: Shutting down an open source project](#)
- [TODO: Building leadership in an open source community](#)
- [TODO: Setting an Open Source Strategy](#)
- [GIT \(Revision Control\)](#)
- [InterPlanetary File System \(IPFS\)](#)
- [Jenkins \(Continuous Delivery\)](#)
- [Jira \(Bug tracking system\)](#)
- [Participating in Open Source Communities](#)
- [ZeroMQ Distributed Messaging](#)
- [ZeroMQ Message Transport Protocol \(ZMTP\)](#)
- [Appendix E: Tools](#)
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- [Tools: Code Reviews](#)
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- [Tools: GitHub Management at Corporate Scale](#)
- [Tools: Project Quality](#)
- [Tools: Logging Tools](#)
- [Tools: Network Traffic Analysis](#)

- [Appendix H: Acronyms](#)

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Last update: **2022/02/05 06:26**

