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**Additional Multiformat Codec Registrations
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Abstract

This document defines additional registrations for the Multiformats
Codec Registry.

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1. Introduction

TBD

In this document, the key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" are to be interpreted as described in [[RFC2119](#)].

2. Codec Registrations

Name	Tag	Code	Description
ip4	multiaddr	0x04	
tcp	multiaddr	0x06	
dccp	multiaddr	0x21	
ip6	multiaddr	0x29	
ip6zone	multiaddr	0x2a	
path	namespace	0x2f	Namespace for string paths.
			Corresponds to / in ASCII.
multiaddr	multiformat	0x32	
dns	multiaddr	0x35	

dns4	multiaddr	0x36	
dns6	multiaddr	0x37	
dnsaddr	multiaddr	0x38	
protobuf	serializati	0x50	Protocol Buffers
	on		
cbor	serializati	0x51	CBOR
	on		
raw	ipld	0x55	raw binary
rlp	serializati	0x60	recursive length
	on		prefix
bencode	serializati	0x63	bencode
	on		
dag-pb	ipld	0x70	MerkleDAG protobuf
dag-cbor	ipld	0x71	MerkleDAG cbor
libp2p-key	ipld	0x72	Libp2p Public Key

	git-raw		ipld		0x78		Raw Git object
	torrent-info		ipld		0x7b		Torrent file info
							field (bencoded)
	torrent-file		ipld		0x7c		Torrent file
							(bencoded)
	leofcoin-block		ipld		0x81		Leafcoin Block
	leofcoin-tx		ipld		0x82		Leafcoin
							Transaction
	leofcoin-pr		ipld		0x83		Leafcoin Peer
							Reputation
	sctp		multiaddr		0x84		
	eth-block		ipld		0x90		Ethereum Block
							(RLP)
	eth-block-list		ipld		0x91		Ethereum Block List
							(RLP)
	eth-tx-trie		ipld		0x92		Ethereum
							Transaction Trie
							(Eth-Trie)
	eth-tx		ipld		0x93		Ethereum
							Transaction (RLP)
	eth-tx-receipt-		ipld		0x94		Ethereum
	trie						Transaction Receipt
							Trie (Eth-Trie)
	eth-tx-receipt		ipld		0x95		Ethereum
							Transaction Receipt
							(RLP)

eth-state-trie	ipld	0x96	Ethereum State Trie
			(Eth-Secure-Trie)
eth-account-	ipld	0x97	Ethereum Account
snapshot			Snapshot (RLP)
eth-storage-trie	ipld	0x98	Ethereum Contract
			Storage Trie (Eth-
			Secure-Trie)
bitcoin-block	ipld	0xb0	Bitcoin Block
bitcoin-tx	ipld	0xb1	Bitcoin Tx
zcash-block	ipld	0xc0	Zcash Block
zcash-tx	ipld	0xc1	Zcash Tx
stellar-block	ipld	0xd0	Stellar Block
stellar-tx	ipld	0xd1	Stellar Tx
decred-block	ipld	0xe0	Decred Block
decred-tx	ipld	0xe1	Decred Tx
ipld-ns	namespace	0xe2	IPLD path
ipfs-ns	namespace	0xe3	IPFS path
swarm-ns	namespace	0xe4	Swarm path
ipns-ns	namespace	0xe5	IPNS path
ed25519-pub	key	0xed	Ed25519 public key
dash-block	ipld	0xf0	Dash Block
dash-tx	ipld	0xf1	Dash Tx

swarm-manifest	ipld	0xfa	Swarm Manifest
swarm-feed	ipld	0xfb	Swarm Feed
udp	multiaddr	0x0111	
p2p-webrtc-star	multiaddr	0x0113	
p2p-webrtc-direct	multiaddr	0x0114	
p2p-stardust	multiaddr	0x0115	
p2p-circuit	multiaddr	0x0122	
dag-json	ipld	0x0129	MerkleDAG json
udt	multiaddr	0x012d	
utp	multiaddr	0x012e	
unix	multiaddr	0x0190	
p2p	multiaddr	0x01a5	libp2p
ipfs	multiaddr	0x01a5	libp2p (deprecated)
https	multiaddr	0x01bb	
onion	multiaddr	0x01bc	
onion3	multiaddr	0x01bd	
garlic64	multiaddr	0x01be	I2P base64 (raw
			public key)
garlic32	multiaddr	0x01bf	I2P base32 (hashed
			public key or
			encoded public key/
			checksum+optional
			secret)
quic	multiaddr	0x01cc	
ws	multiaddr	0x01dd	
wss	multiaddr	0x01de	

p2p-websocket-star	multiaddr	0x01df	
http	multiaddr	0x01e0	
holochain-adr-v0	holochain	0x807124	Holochain v0
			address + 8 R-S
			(63 x Base-32)
holochain-adr-v1	holochain	0x817124	Holochain v1
			address + 8 R-S
			(63 x Base-32)
holochain-key-v0	holochain	0x947124	Holochain v0 public
			key + 8 R-S (63 x
			Base-32)
holochain-key-v1	holochain	0x957124	Holochain v1 public
			key + 8 R-S (63 x
			Base-32)
holochain-sig-v0	holochain	0xa27124	Holochain v0
			signature + 8 R-S
			(63 x Base-32)
holochain-sig-v1	holochain	0xa37124	Holochain v1
			signature + 8 R-S
			(63 x Base-32)
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3. Security Considerations

TBD

4. IANA Considerations

TBD

5. Normative References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.

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