

SATP Network Identification

Update from Network Identification Subgroup

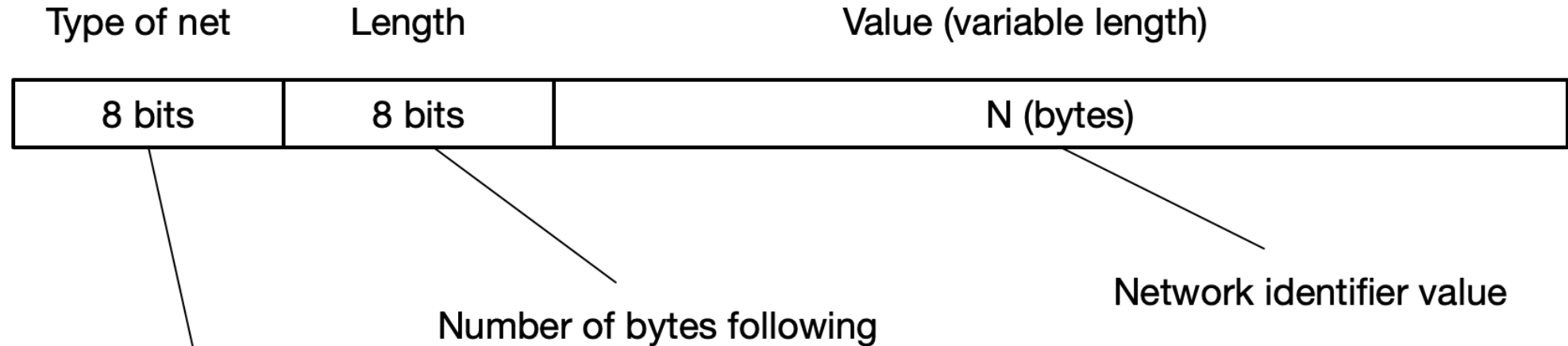
IETF118 Prague

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Summary Report from Subgroup

- Recognition of different types & layers (e.g. L1, L2)
- Three (3) general goals:
 - Network/subnetwork identification (forks)
 - Self-identification internally (transactions)
 - Network ownership (legal)
- Support for monolithic systems (e.g. RTGS/Banks)
- Backward compatibility with existing operational DLTs

Overview of TLV-based Model (proposal)



Type = 1 : public permission-less type (with genesis block)

Type = 2 : private closed type (with genesis block)

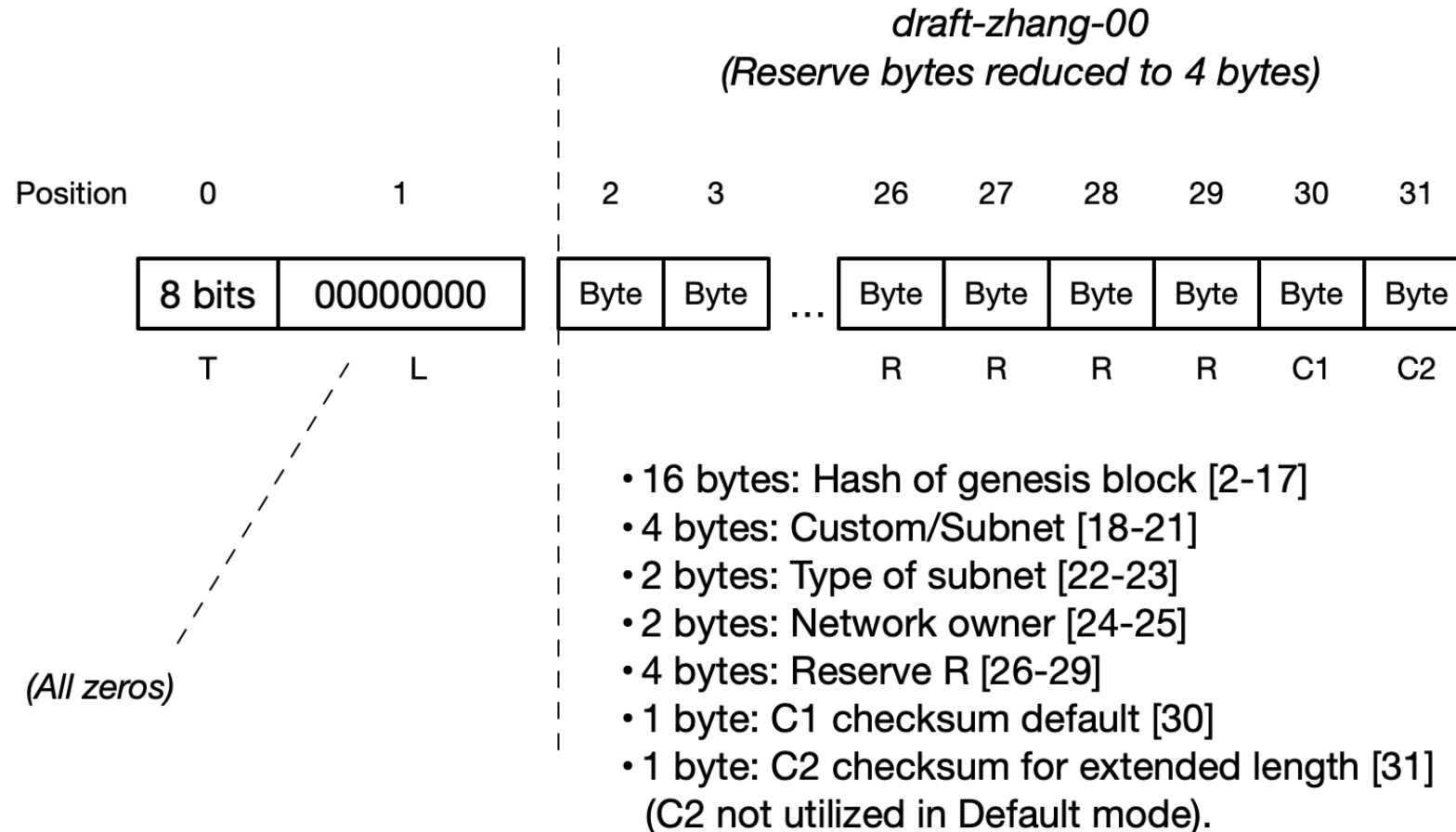
Type = 3 : monolithic non-blockchain type (no genesis block)

Type = 240 : Metadata only (eg. 11110000)

Type-1 and Type-2: Default Mode

Type-1 or Type-2: Default address mode (32 bytes)

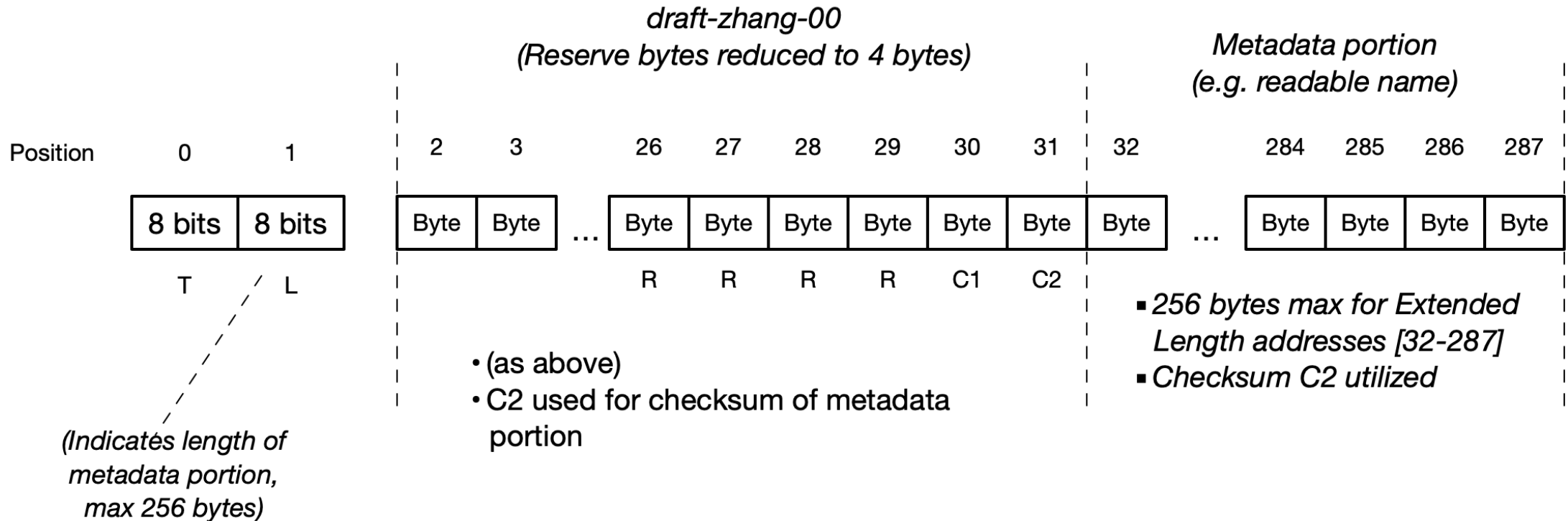
Note: Type-1 & Type-2 are asset networks with a genesis block



Type-1 and Type-2: Extended Length Mode

Type-1 or Type-2: Extended Length address mode (with metadata)

Note: Type-1 & Type-2 are asset networks with a genesis block



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Name	Length	Purpose
Hash of genesis block	16	Permits distinction from Forks
Custom sub-network	4	Support existing network-specific numbers
Subnetwork type/ID	2	Identify purpose of subnetwork (if any)
Network Owner Identifier	2	Organizational/governance identifier
Reserved	7 4	(Future)
Checksum	1	

Thank You and Q&A