

If you are a MOBI member in good standing, please reach out to Matt Shi ([matt@dlt.mobi](mailto:matt@dlt.mobi)) for access to MOBI's Github

MOBI Standard	Standardized Schemas (latest)	Schema Description
CE-GBP	AssetOwnership V1.0 - 2024.07 AssetOwnership V1.1 - 2024.09	This schema defines asset ownership transfers and documents current and previous owners.
	ManuInfo V1.0 - 2024.03 BBC V1.1 - 2024.04	This schema defines the necessary attributes to issue new battery birth certificates in compliance with global regulations. Please reference the full standard here.
	CarbonFootprint V1.0 - 2024.07	This schema includes Carbon footprint reporting attributes of rechargeable batteries.
	CircularityAndResourceEfficiency V1.0 - 2024.07	This schema includes rechargeable battery circularity and resource efficiency related attributes. (Note we have created two separate schemas for Circularity and Resource Efficiency).
	Circularity V1.0 - 2025.02	This schema includes rechargeable battery circularity related attributes.
	ResourceEfficiency V1.0 - 2025.02	This schema includes rechargeable battery resource efficiency related attributes.
	CompLabelCert V1.0 - 2024.07	This schema includes a link to EU-required certification documents and labels, including conformity declaration, separate collection, and more.
	DataRepositoryCARB V1.0 - 2024.07	This schema includes attributes needed for the data repository requirements as per CARB's ACC II regulations.
	MaterialsAndComposition V1.0 - 2024.07	This schema includes the material and composition attributes for rechargeable batteries.
	PerformanceAndDurability V1.0 - 2024.07	This schema includes battery performance and durability related attributes for rechargeable batteries. (Note we have created two separate schemas for Performance and Durability).
	Performance V1.0 - 2025.02	This schema includes battery performance related attributes for rechargeable batteries.
	Durability V1.0 - 2025.02	This schema includes battery durability related attributes for rechargeable batteries.
	RequiredLabelInfoCARB V1.0 - 2024.07	This schema includes descriptions of and links to labels for batteries as required by the ACC II regulations issued by the CARB.
	SupplyChainDueDiligence V1.0 - 2024.07	This schema includes battery supply chain due diligence related attributes.
	ZEVCertification V1.0 - 2024.07	This schema includes zero emission vehicle certificate related information required by CARB.
BatterySOH.json V1.0 - 2024.07	This schema is used to document the new battery State of Health (SOH) information of an electric vehicle.	
	InfraSensorSchema.json V1.0 - 2022.07	This schema is for organizing and presenting data from sensors outside the vehicle in the surrounding infrastructure. This schema is intended for all sensors that are not in a vehicle.

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CMDM	SensorIdentityBirthCertificate.json V1.0 - 2022.07	This schema defines the identity of a sensor when created. Note: The CMDM Working Group focused on sensors within the Asset class.
	SensorOwnershipCertificate.json V1.0 - 2022.07	This schema defines sensor ownership. The CMDM Standard provides a dedicated Sensor Ownership Certificate. Unlike the Sensor Identity Birth Certificate, which always has the Asset Type, Sensor Ownership Certificates may have any Type that is not the Asset Type. Trust anchors, Users, Data Hosts, and Service Providers all may be Sensor Owners.
	VehicleSensorSchema.json V1.0 - 2022.07	This schema is for organizing and presenting sensor data from sensors on a vehicle is provided.
DRIVES Pilot	CitopiaMembershipCredential.json V1.0 - 2021.08	This schema describes a basic Citopia Membership.
	EmissionMeasurement.json V1.0 - 2021.09	This schema is used to document emissions.
	GeoCoordinates.json V1.0 - 2021.08	This schema describes the geo-coordinates of an asset.
	Invoice.json V1.0 - 2021.08	This schema describes an invoice.
	RevocationList2020Status.json V1.0 - 2021.08	This is schema implements Revocationlist2020status which is used to indicate the credential revocation status.
EVGI	CarbonOffset.json V1.0 - 2022.03	This schema captures data from the vehicle, charger, meter, charging session, and other sources. These data attributes are required for the registration and audit of carbon offsets that result from electric vehicle charging sessions and are key in any application handling carbon offsets.
	ChargerIdentity.json V1.0 - 2022.04	This schema is used to describe charger identity. The charger should be able to broadcast its information to any potential vehicle in need of charging.
	Meter.json V1.0 - 2022.03	This schema describes an electric meter for vehicle charging.
	P2PChargingCommunication.json V1.0 - 2022.03	This schema is akin to the Vehicle-to-Grid communication schema in EVGI as it is also used to track a charging session. The key difference is that this schema captures the more general case of two entities transacting electricity as peers in a P2P network.
	TimeDependentSmartEnergyTariffs.json V1.0 - 2022.03	This schema describes time-dependent smart energy tariffs. Time-dependent or other smart energy tariffs can be published by a governmental entity in control of regulated tariffs, or by a private utility offering a custom tariff.
	VehicleToGridCommunication.json V1.0 - 2022.03	This schema enumerates the data attributes utilized when a vehicle connects to the grid by plugging into a uni- or bi-directional charger and an energy exchange session occurs.
	AccessCertificate.json V1.0 - 2022.03	This schema describes Access Certificates (ACs). ACs act as the main key to entry for accessing different pieces of data, functionalities, etc.

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EVGI, FSSC, CMDM	BlockList.json V1.0 - 2022.03	This schema is for creating a list that specifies entities that are not allowed to access a particular resource.
	ContratAcceptance.json V1.0 - 2022.03	This schema defines an accepted contract between two parties. Note that since the data that may satisfy a Tokenized Carbon Credit (TCC) exchange may be variable, there are currently no standards for this. The recommended approach is to use a smart contract that automatically checks for the success criteria, in which case SuccessCriteria would simply be a reference to a smart contract address.
	DataHost.json V1.0 - 2022.03	This schema describes Data Hosts. Data hosts are entities that perform the following: ingest some form of data, and expose that data either in its original or in a processed form.
	DataHostBootstrappingCertificate.json V1.0 - 2022.03	This schema describes Data Host Bootstrapping Certificate (DBC). A Data Bootstrapping Certificate is issued to a Data Host that enables verification of the Data Host's ownership of the specified URI and association with an EID.
	EC.json V1.0 - 2022.03	This schema describes a Common Entity Certificate (EC). There is a common structure that wraps the EID structures that all entities in the system share. Note: For very specific use cases that require additional information, ECs are extensible to accommodate additional fields and is up to the discretion of the implementer to carry out such additions as appropriate.
	Entity.json V1.0 - 2022.03	This schema is used to describe an entity or a person.
	GroupPermissionChangeCertificate.json V1.0 - 2022.03	This schema describes Group Permission Change. To notify a Data Host that a group permission should be changed, a group permission change certificate (GPC) should be sent from the data owner to the Data Host.
	RevocationCertificate.json V1.0 - 2022.03	Revocation certificates (RCs) are used to revoke existing certificates. Note that all RCs are stored at the URI presented in the Entity Certificate (EC). This provides a method of data verification to ensure that no revocations have occurred for specific certificates.
	TrustAnchor.json V1.0 - 2022.03	This schema describes a special Entity ID (EID) category for trust anchor entities that allows them to interact with the system is described.
VID I	VehicleBirthCertificate V1.0 - 2022.01	Vehicle Birth Certificate is a certificate issued when the vehicle is manufactured. It includes essential vehicle information needed throughout the vehicle's lifecycle.
	VehicleBirthCertificate V1.1 - 2022.02	
	UniqueVehicleIdentifier.json V1.0 - 2021.09	This schema describes Unique Vehicle Identifier (UVI), a unique alphanumeric identifier within the system described in this standard. Note that a unique vehicle identifier is not the same concept as a VID.

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VID II	VcSchemaForAccidentDamageAndTheftReports.json V1.0 - 2022.03	Verifiable Credential schema for accident, damage, and theft reports.
	VcSchemaForEndOfLifeDocuments.json V1.0 - 2022.03	Verifiable credential schema for end of life documentation.
	VcSchemaForInspectionsReport.json V1.0 - 2022.03	Verifiable credential schema for inspections report.
	VcSchemaForInsuranceClaimsAndPolicies.json V1.0 - 2022.03	Verifiable Credential schema for insurance claims and policies.
	VcSchemaForMileage.json V1.0 - 2022.03	Verifiable Credential schema for mileage.
	VcSchemaForOwnersTitlesAndBordersDocs.json V1.0 - 2022.03	Verifiable Credential schema for owners, titles, and borders documents.
	VcSchemaForPartsReplacementReport.json V1.0 - 2022.03	Verifiable Credential schema for parts replacements reports.
	VcSchemaForPaymentsAndTxReceipts.json V1.0 - 2022.03	Verifiable Credential schema for payments and transaction receipts.
	VcSchemaForUsageDataReports.json V1.0 - 2022.03	Verifiable Credential schema for vehicle usage data reports.
	VehicleSpec.json V1.0 - 2022.03	This schema includes all vehicle specification data may need to be registered.
W3C	LEIaddress.json	This schema describes address in Legal Entity Identifier (LEI) Address.
W3C	LEIauthority.json	GLEIF LEI Redord Level 1 Schema for Legal Entity Identifier (LEI) Authority.
W3C	LEIentity.json	GLEIF LEI Redord Level 1 Schema for Legal Entity Identifier (LEI) Entity
W3C	LEIevidenceDocument.json	GLEIF LEI Redord Level 1 Schema for Legal Entity Identifier (LEI) Evidence Document
W3C	LEIregistration.json	GLEIF LEI Redord Level 1 Schema for Legal Entity Identifier (LEI) Registration
W3C	LegalEntityIdentifierCredential.json	GLEIF verifiable Legal Entity Identifier Credential (verifiable leiCode Credential)
W3C	Organization.json	This schema describes a general organization such as a corporation, firm, club, etc.