



Enabling global identity
Protecting digital trust

GLEIF Data Dictionary

Final

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About this Document

This document provides a comprehensive list of LEI data fields used in the financial industry for various regulatory and compliance purposes. It offers detailed information of each LEI data field, including its field name, function, data type, field format, validations, and cardinality.

In addition, this document includes a list of mapping identifiers (such as BIC, ISIN, S&P Company ID, MIC, and Open Corporates ID) associated with the LEI.

The main purpose of this document is to provide a concise overview of all available fields and their representation across different domains (LEI Search, GLEIF API, Common Data File (CDF) formats) and the way they correspond to one another.

Change History

This section records the history of all changes to this document.

Date	Version	Description of Change	Author
2023-11-07	1.0	Data Dictionary	GLEIF
2025-01-29	1.1	Second Published Version	GLEIF
2025-11-18	1.2	Third Published Version	GLEIF



1 Level 1 Data: LEI-CDF Format 3.1

The Level 1 data refers to the first level of data or the primary dataset in the Legal Entity Identifier Common Data File (LEI-CDF) format version 3.1.

The level 1 data contain information, for e.g. the official name of a legal entity and its registered address. It provides the answer to the question of 'who is who'.

For more details, please refer to: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/level-1-data-lei-cdf-3-1-format>

1.1 Level 1 – LEI–CDF (v 3.1)

The following table outlines the representation of Level 1 data fields in various formats, including Common Data File (CDF) formats, LEI Search, GLEIF API, and Golden Copy Files (CSV, JSON, XML).

Please note that the GLEIF Concatenated files adhere to the CDF Format, as specified in the first column of the table provided below.

Please note that the “Entity-Name”, “Entity – Legal Address”, “Entity - Headquarters Address” and subsequent headings highlighted in the table below are included to improve the document’s structure and aid in document navigation and these headings are not part of the CDF format.



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality	
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)						
LEI									
LEI	LEI Code	Lei	LEI	The LEI code is a 20-character, alpha-numeric code that defines the ISO 17442 compatible identifier for the legal entity.	NA	String	LEIType	[1,1]	
			.lei						
			/lei:LEIData/lei:LEIRecords/lei:LEIRecord/lei:LEI						For example, the LEI code of the Global Legal Entity Identifier Foundation is 506700GE1G29325QX363
Entity – Name									
LegalName	(Primary) Legal Name	entity.legalName	Entity.LegalName	The Legal Name of the legal entity.	NA	String	Tokenized500Type	[1,1]	
			entity.legalName.name						The legal name of a legal entity refers to the official name under which a business or organization is registered
			/lei:Entity/lei:LegalName						



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				with government authorities. This name is typically used for legal, and regulatory purposes. For example, Global Legal Entity Identifier Foundation				
OtherEntityNames	Other Names	entity.otherNames	Entity.OtherEntityNames.OtherEntityName	An optional list of other names (excluding transliterations) for the legal entity.	NA	String	Tokenized500Type	[0,1]
			entity.otherNames.name					
			/lei:OtherEntityNames/lei:OtherEntityName	The OtherEntityNames element is a container including one or more other names for the Legal Entity together with a specification of a name type.				
TransliteratedOther		entity.transliterate	Entity.TransliteratedOtherEntityNames.TransliteratedOtherEntityName	An optional list of ASCII transliterated (i.e., Latin- or	NA	String	Tokenized500Type	[0,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
erEntity Names	Transliterated Names	dOtherNames	entity.transliteratedOtherNames.name	Romanized) representations of names for the legal entity. The TransliteratedOtherEntityNames element is a container including one or more transliterated names for the Legal Entity together with a specification of the transliteration procedure.				
			/lei:TransliteratedOtherEntityNames/lei:TransliteratedOtherEntityName					
Entity - Legal Address								
LegalAddress	Legal	NA	NA	The address of the legal entity as recorded in the registration of the legal entity in its legal jurisdiction.	NA	String	Tokenized500Type	[1,1]
			NA					
			NA					
FirstAddressLine		entity.legalAddresses.line1	Entity.LegalAddress.FirstAddressLine	The mandatory first address line element of the legal address.		String	Tokenized500Type	[1,1]
			entity.legalAddress[*].addressLines [0]					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
			/lei:LegalAddress/lei:FirstAddressLine					
Address Number		entity.legalAddress.addressNumber	Entity.LegalAddress.AddressNumber	Additional structured version of an external house number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 221B). This is an optional field.		String	Tokenized500T ype	[0,1]
			entity.legalAddress.addressNumber					
			/lei:LegalAddress/lei:AddressNumber					
Address Number WithinBuilding		entity.legalAddress.addressNumberWithinBuilding	Entity.LegalAddress.AddressNumberWithinBuilding	Additional structured version of an internal location number, or range of numbers, contained in one of the address line elements.		String	Tokenized500T ype	[0,1]
			entity.legalAddress.addressNumberWithinBuilding					
			/lei:LegalAddress/lei:AddressNumberWithinBuilding	This could be a numeral, a letter or code made up of mixed characters (e.g., 13) of a floor, suite or apartment within a building identified				



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				e.g., by an AddressNumber. This is an optional field.				
AdditionalAddressLine		entity.legalAddress.line2	Entity.LegalAddress.AdditionalAddressLine.[*]	This field has 1 to 3 optional additional address line elements, and it is an optional field. - Entity.LegalAddress.AdditionalAddressLine.1 - Entity.LegalAddress.AdditionalAddressLine.2 - Entity.LegalAddress.AdditionalAddressLine.3		String	Tokenized500Type	[0,3]
		entity.legalAddress.line3	entity.legalAddress[*].addressLines[1-3]					
		entity.legalAddress.line4	/lei:LegalAddress/lei:AdditionalAddressLine					
MailRouting		entity.legalAddress.mailRouting	Entity.LegalAddress.MailRouting	This is a free text address line to hold content from other address lines containing explicit routing information.		String	Tokenized500Type	[0,1]
		entity.legalAddress.mailRouting						
		/lei:LegalAddress/lei:MailRouting	This is an optional field.					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
PostalCode		entity.legalAddress.postalCode	Entity.LegalAddress.PostalCode	The postal code of this address as specified by the local postal service.		String	Tokenized500Type	[0,1]
			entity.legalAddress.postalCode					
			/lei:LegalAddress/lei:PostalCode	This is an optional field.				
City		entity.legalAddress.city	Entity.LegalAddress.City	The name of the city.		String	Tokenized500Type	[1,1]
			entity.legalAddress.city					
			/lei:LegalAddress/lei:City					
Region		entity.legalAddress.region	Entity.LegalAddress.Region	The region code for this region consists of 4- to 6-character (ISO 3166-2).		String	RegionCodeType	[0,1]
			entity.legalAddress.region					
			/lei:LegalAddress/lei:Region	This is an optional field.				
Country		entity.legalAddress.country	Entity.LegalAddress.Country	The country code of the country consists of 2-character ISO 3166-1.		String	CountryCodeType	[1,1]
			entity.legalAddress.country					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
			/lei:LegalAddress/lei:Country					
Entity - Headquarters Address								
Headquarters Address	Headquarters		NA	The address of the headquarters of the legal entity.	NA	String	Tokenized500T ype	[1,1]
			NA					
			NA					
FirstAddressLine	First Headquarters Address Line	entity.headquartersAddresss.line1	Entity.HeadquartersAddress.FirstAddressLine	The mandatory first address line element of the headquarters address.		String	Tokenized500T ype	[1,1]
			entity.headquartersAddress[*].addressLines [0]					
			/lei:HeadquartersAddress/lei:FirstAddressLine					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Address Number	Headquarters Address Number	entity.headquartersAddress.addressNumber	Entity.HeadquartersAddress.AddressNumber	Additional structured version of an external house number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 221B). This is an optional field.		String	Tokenized500Type	[0,1]
			entity.headquartersAddress.addressNumber					
			/lei:HeadquartersAddress/lei:AddressNumber					
Address Number Within Building	Headquarters Address Number within Building	entity.headquartersAddress.addressNumberWithinBuilding	Entity.HeadquartersAddress.AddressNumberWithinBuilding	Additional structured version of an internal location number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 13) of a floor, suite or apartment within a building identified e.g., by an AddressNumber.		String	Tokenized500Type	[0,1]
			entity.headquartersAddress.addressNumberWithinBuilding					
			/lei:HeadquartersAddress/lei:AddressNumberWithinBuilding					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				This is an optional field.				
AdditionalAddressLine	Additional Headquarters Address Line	entity.headquartersAddress.line2	Entity.HeadquartersAddress.AdditionalAddressLine.[*]	This field has 1 to 3 optional additional address line elements, and it is an optional field. - Entity.HeadquartersAddress.AdditionalAddressLine.1 - Entity.HeadquartersAddress.AdditionalAddressLine.2 - Entity.HeadquartersAddress.AdditionalAddressLine.3		String	Tokenized500Type	[0,3]
		entity.headquartersAddress.line3	entity.headquartersAddress[*].addressLines [1-3]					
		entity.headquartersAddress.line4	/lei:HeadquartersAddress/lei:AdditionalAddressLine					
MailRouting	Headquarters	entity.headquarters	Entity.HeadquartersAddress.MailRouting	This is a free text address line to hold content from other		String	Tokenized500Type	[0,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Address Mail Routing	rsAddresss.mailRouting	entity.headquartersAddress.mailRouting	address lines containing explicit routing information.				
			/lei:HeadquartersAddress/lei:MailRouting	This is an optional field.				
PostalCode	Headquarters Address Postal Code	entity.headquartersAddresss.postalCode	Entity.HeadquartersAddress.PostalCode	The postal code of this address as specified by the local postal service.		String	Tokenized500Type	[0,1]
			entity.headquartersAddress.postalCode	This is an optional field.				
			/lei:HeadquartersAddress/lei:PostalCode					
City	Headquarters Address City	entity.headquartersAddresss.city	Entity.HeadquartersAddress.City	The name of the city where the headquarter is located.		String	Tokenized500Type	[1,1]
			entity.headquartersAddress.city					
			/lei:HeadquartersAddress/lei:City					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Region	Headquarters Address Region	entity.headquartersAddress.region	Entity.HeadquartersAddress.Region	The region code for this region consists of 4- to 6-character ISO 3166-2.		String	RegionCodeType	[0,1]
			entity.headquartersAddress.region					
			/lei:HeadquartersAddress/lei:Region					
Country	Headquarters Address Country	entity.headquartersAddress.country	Entity.HeadquartersAddress.Country	The country code of the country consists of 2-character ISO 3166-1.		String	CountryCodeType	[1,1]
			entity.headquartersAddress.country					
			/lei:HeadquartersAddress/lei:Country					
Entity - OtherAddresses								
OtherAddresses	The OtherAddresses	-	NA	An optional list of other addresses for the legal entity, excluding transliterations.	NA	String	Tokenized500Type	[0,1]
			NA					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	details are viewed under the 'Events and Changes' tab.		NA	The OtherAddresses element is a container including one or more other addresses associated with the legal entity, including a specification of the type of address.				
FirstAddressLine	First Other Address Line	-	Entity.OtherAddresses.OtherAddress.[*].FirstAddressLine	The mandatory first address line element.		String	Tokenized500Type	[1,1]
			entity.otherAddresses[*].addressLines[0]					
			/lei:OtherAddresses/lei:OtherAddress/lei:FirstAddressLine					
Address Number		-	Entity.OtherAddresses.OtherAddress.[*].AddressNumber	Additional structured version of an external house number,	String	Tokenized500Type	[0,1]	



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Other Address Number		entity.otherAddresses.addressNumber /lei:OtherAddresses/lei:OtherAddress/lei:AddressNumber	or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 221B). This is an optional field.				
Address Number Within Building	Other Address Number within Building	-	Entity.OtherAddresses.OtherAddress.[*].AddressNumberWithinBuilding entity.otherAddresses.addressNumberWithinBuilding /lei:OtherAddresses/lei:OtherAddress/lei:AddressNumberWithinBuilding	Additional structured version of an internal location number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 13) of a floor, suite or apartment within a building identified e.g., by an AddressNumber. This is an optional field.		String	Tokenized500Type	[0,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
MailRouting	Other Address Mail Routing	-	Entity.OtherAddresses.OtherAddress.[*].MailRouting	This is a free text address line to hold content from other address lines containing explicit routing information. This is an optional field.		String	Tokenized500T ype	[0,1]
			entity.otherAddresses.mailRouting					
			/lei:OtherAddresses/lei:OtherAddress/lei:MailRouting					
AdditionalAddressLine	Additional Other Address Line	-	Entity.OtherAddresses.OtherAddress.[*].AdditionalAddressLine.[1-3]	The OtherAddresses element can accommodate a maximum of 5 other addresses linked to the legal entity. Additionally, each OtherAddresses element supports 1 to 3 optional additional address line elements. For example, Entity.OtherAddresses.OtherAddress.1.AdditionalAddressLine.1 up to		String	Tokenized500T ype	[0,3]
			entity.otherAddresses[*].addressLines[1-3]					
			/lei:OtherAddresses/lei:OtherAddress/lei:AdditionalAddressLine[1]					
			/lei:OtherAddresses/lei:OtherAddress/lei:AdditionalAddressLine[2]					
			/lei:OtherAddresses/lei:OtherAddress/lei:AdditionalAddressLine[3]					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				Entity.OtherAddresses.OtherAddress.1.AdditionalAddressLine.3				
City	Other Address City	-	Entity.OtherAddresses.OtherAddress.[*].City	The name of the city where the other address is located.		String	Tokenized500Type	[1,1]
			entity.otherAddresses.city					
			/lei:OtherAddresses/lei:OtherAddress/lei:City					
Region	Other Address Region	-	Entity.OtherAddresses.OtherAddress.[*].Region	The name of the region where the other address is located.		String	RegionCodeType	[0,1]
			entity.otherAddresses.region	This is an optional field.				
			/lei:OtherAddresses/lei:OtherAddress/lei:Region					
Country		-	Entity.OtherAddresses.OtherAddress.[*].Country			String	CountryCodeType	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Other Address Country		entity.otherAddresses.country /lei:OtherAddresses/lei:OtherAddress/lei:Country	The name of the country where the other address is located.				
Postal Code	Other Address Postal Code	-	Entity.OtherAddresses.OtherAddress.[*].PostalCode entity.otherAddresses.postalCode /lei:OtherAddresses/lei:OtherAddress/lei:PostalCode	The postal code of the other address as specified by the local postal service. This is an optional field.		String	Tokenized500T ype	[0,1]
Entity – TransliteratedOtherAddresses								
TransliteratedOtherAddresses	The TransliteratedOtherAddresses data	-	NA NA NA	An optional list of transliterated addresses for the legal entity.	NA	String	Tokenized500T ype	[0,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	fields are viewed under the 'Events and Changes' tab.							
FirstAddressLine	First Transliterated Other Address Line	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].FirstAddressLine	The mandatory first address line element of the TransliteratedOtherAddresses.		String	Tokenized500T ype	[1,1]
			entity.transliteratedOtherAddresses[*].addressLines[0]					
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:FirstAddressLine					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Address Number	Transliterated Other Address Number	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].AddressNumber	Additional structured version of an external house number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 221B). This is an optional field.		String	Tokenized500Type	[0,1]
			entity.transliteratedOtherAddresses.addressNumber					
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:AddressNumber					
Address Number Within Building	Transliterated Other Address Number within Building	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].AddressNumberWithinBuilding	Additional structured version of an internal location number, or range of numbers, contained in one of the address line elements. This could be a numeral, a letter or code made up of mixed characters (e.g., 13) of a floor, suite or apartment within a building identified e.g., by an AddressNumber.		String	Tokenized500Type	[0,1]
			entity.transliteratedOtherAddresses.addressNumberWithinBuilding					
			lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:AddressNumberWithinBuilding					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				This is an optional field.				
MailRouting	Transliterated Other Address Mail Routing	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress[*].MailRouting	This is a free text address line to hold content from other address lines containing explicit routing information.		String	Tokenized500Type	[0,1]
			entity.transliteratedOtherAddresses[*].mailRouting	This is an optional field.				
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:MailRouting					
AdditionalAddressLine	Additional Transliterated Other	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress[*].AdditionalAddressLine.[1-3]	This field has 1 to 3 optional transliterated other additional address line elements.		String	Tokenized500Type	[0,3]
			entity.transliteratedOtherAddresses[*].addressLines[1-3]	Entity.TransliteratedOtherAddresses.TransliteratedO				



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Address Line		/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:AdditionalAddressLine[3]	therAddress.1.AdditionalAddressLine.1 - Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.1.AdditionalAddressLine.2 - Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.1.AdditionalAddressLine.3				
City	Transliterated Other Address City	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].City	The name of the city where the transliterated other address is located.		String	Tokenized500Type	[1,1]
			entity.transliteratedOtherAddresses.city					
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:City					
Region	Transliterated	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].Region		String	RegionCodeType	[0,1]	



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Other Address Region		entity.transliteratedOtherAddresses.region	The name of the region where the transliterated other address is located.				
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:Region	This is an optional field.				
Country	Transliterated Other Address Country	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].Country	The name of the country where the transliterated other address is located.		String	CountryCodeType	[1,1]
			entity.transliteratedOtherAddresses.country					
			/lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:Country					
Postal Code	Transliterated Other Address Postal Code	-	Entity.TransliteratedOtherAddresses.TransliteratedOtherAddress.[*].PostalCode	The postal code of the transliterated other address as specified by the local postal service.		String	Tokenized500Type	[0,1]
			entity.transliteratedOtherAddresses.postalCode					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
			lei:TransliteratedOtherAddresses/lei:TransliteratedOtherAddress/lei:PostalCode	This is an optional field.				
Entity – RegistrationAuthority								
RegistrationAuthorityID	Registered At	entity.registeredAt.id	Entity.RegistrationAuthority.RegistrationAuthorityID	This Information about the official authority in the legal entity's jurisdiction of legal registration, for example a business registry, and the corresponding identification of the legal entity by that official source. The reference code of the registration authority, taken from the Registration Authorities Code List maintained by GLEIF. For example, RA000008 (Financial Services Regulatory Commission)	RegistrationAuthorityEnum	String	Tokenized500Type	[0,1]
			entity.registeredAt.id					
			/lei:RegistrationAuthority/lei:RegistrationAuthorityID					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
OtherRegistrationAuthorityID	Registered At	entity.registeredAt.other	Entity.RegistrationAuthority.OtherRegistrationAuthorityID	A legacy / historical reference code of a registration authority which is not yet entered in the Registration Authorities Code List (RA list) maintained by GLEIF, or the designation of an interim register until such time as an entry from RA list can be delivered.	NA	String	Tokenized500T ype	
			entity.registeredAt.other					
			/lei:RegistrationAuthority/lei:OtherRegistrationAuthorityID					
RegistrationAuthorityEntityID	Registered As	entity.registeredAs	Entity.RegistrationAuthority.RegistrationAuthorityEntityID	The identifier of the entity at the indicated registration authority.	NA	String	Tokenized500T ype	
			Entity:RegistrationAuthority:RegistrationAuthorityEntityID					
			/lei:RegistrationAuthority/lei:RegistrationAuthorityEntityID					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					

Entity – Legal Jurisdiction

LegalJurisdiction	Jurisdiction Of Formation	entity.jurisdiction	Entity.LegalJurisdiction	The jurisdiction of legal formation of the legal entity, i.e., where the LegalForm of the legal entity originates.	NA	String	CountryCodeType	[0,1]
			entity.jurisdiction				RegionCodeType	
			/lei:Entity/lei:LegalJurisdictionlei:LegalJurisdiction	The LEI-CDF xml schema validates the 'LegalJurisdiction' field with a value of the type of jurisdiction code conforming to the ISO 3166 standard in either: - a 2-character country code conforming to ISO 3166-1 alpha-2 or - a region code conforming to ISO 3166-2. An ISO 3166-1 alpha-2 code SHALL be used to indicate a country jurisdiction, and an				



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				ISO 3166-2 code SHALL be used to indicate a regional jurisdiction. Please note that both the codes are in uppercase.				
Entity - Category								
EntityCategory	General Category	entity.category	Entity.EntityCategory	This defines (where applicable) the category of Entity identified by this LEI Data Record, as a more specific category within the broad definition given in ISO 17442. These categories are based on use cases specified in ROC (Regulatory Oversight Committee) policies, found at the ROC website.	EntityCategoryTypeEnum The enumeration values are as follows: • BRANCH • GENERAL • FUND • SOLE_PROPRIETOR	String	NA	[0,1]
			entity.category					
			/lei:Entity/lei:EntityCategory					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					- RESIDENT_GOVERNMENT_ENTITY - INTERNATIONAL_ORGANIZATION			
EntitySubCategory	SubCategory	entity.subCategory	Entity.EntitySubCategory	This defines and specifies further (where applicable) the sub-category (sub-sector) of Legal Entity identified by this LEI Record and already categorized by the EntityCategory.	EntitySubCategoryTypeEnum The enumeration values are as follows: - CENTRAL_GOVERNMENT - STATE_GVERNMENT - LOCAL_GVERNMENT - SOCIAL_SECURITY	String	NA	[0,1]
			entity.subCategory					
			/lei:Entity/lei:EntitySubCategory					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Entity – Legal Form								
LegalForm	Entity Legal Form	entity.legalForm	Entity.LegalForm.EntityLegalFormCode	The legal form of the Entity, taken from the ISO Entity Legal Form (ELF) code list maintained by GLEIF.	LegalFormEnum Please note that the XML schema validates for all LegalForm values conforming to the ISO 20275 standard.	String	LegalFormEnum	[0,1]
		entity.legalForm.code	/lei:LegalForm/lei:EntityLegalFormCode					
OtherLegalForm	Entity Legal Form (Other)	entity.legalForm.other	Entity.LegalForm.OtherLegalForm	A legacy code or textual description for the legal entity's legal form, used until a current code from the GLEIF-maintained list can be used.	NA	String	Tokenized500Type	
		entity.legalForm.other						
			/lei:LegalForm/lei:OtherLegalForm					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					

Entity - Status

EntityStatus	Entity Status	entity.status	Entity.EntityStatus	This defines the status of the legal entity. The status can be any of the following: - ACTIVE - As of the last report or update, the Legal Entity reported that it was legally registered and operating. - INACTIVE - It has been determined that the Entity that was assigned the LEI is no longer legally registered and/or operating, whether as a result of business closure, acquisition by or merger with another (or new) Entity, or determination of illegitimacy.	EntityStatusEnum The enumeration values are as follows: - ACTIVE - INACTIVE - NULL	String	EntityStatusEnum	[1,1]
			entity.status					
			/lei:Entity/lei:EntityStatus					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				NULL - The entity status is not applicable.				
Entity – Creation Date								
EntityCreationDate	Entity created at	entity.creationDate	Entity.EntityCreationDate	The date on which the legal entity was first established as defined in ISO 17442.	NA	String	LEIDateTimeProfileGeYear0001	[0,1]
			entity.creationDate					
			/lei:Entity/lei:EntityCreationDate					
Entity – Successor entities								
SuccessorEntity	Replaced By	entity.successorEntities/entity.successorEntities.lei	Entity.SuccessorEntity[*].SuccessorLEI	This defines the surviving/new Legal Entity which continues/replaces this LEI registration, where applicable.	NA	String	LEIType	[0,*]
			entity.successorEntities[*].lei					
			/lei:SuccessorEntity/lei:SuccessorLEI					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
		entity.successorEntities.name	Entity.SuccessorEntity.1.SuccessorEntityName					
			entity.successorEntity.name					
			/lei:SuccessorEntity/lei:SuccessorEntityName					
Entity – Legal Entity Events								
LegalEntityEvents	Entity Event Type can be viewed under the 'Events and Changes' tab in the LEI Search.	NA	Entity.LegalEntityEvents.LegalEntityEvent[*].LegalEntityType	The legal entity events define a set of finite number of events specified by the ROC in the life of a legal entity that would impact the Reference Data in the Global LEI System.	LegalEntityTypeEnum	String	LegalEntityEventContainerType	[1,*]
			NA		The enumeration values are as follows:			
			/lei:LegalEntityEvents/lei:LegalEntityEvent/lei:LegalEntityType		- CHANGE_LEGAL_NAME - CHANGE_OTHER_NAMES - CHANGE_LEGAL_ADDRESS			



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					- CHANGE_HQ_ADDRESS - CHANGE_LEGAL_FORM - DEMERGER - SPINOFF - ABSORPTION - ACQUISITION_BRANCH - TRANSFORMATION_BRANCH_TO_SUBSIDIARY - TRANSFORMATION_SUBSIDIARY_TO_BRANCH - TRANSFORMATION_UMBRELLA_TO_STANDALONE - BREAKUP			



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					- MERGERS_AND_ACQUISITIONS - BANKRUPTCY - LIQUIDATION - VOLUNTARY_ARRANGEMENT - INSOLVENCY - DISSOLUTION			
LegalEntityEventEffectiveDate	Entity Event Effective Date can be viewed under the 'Events and Changes'		Entity.LegalEntityEvents.LegalEntityEvent[*].LegalEntityEventEffectiveDate	The date when the legal entity event becomes legally effective.	NA	dateTime	LEIDateTimeProfileGeYear0001	[0,1]
			NA					
			/lei:LegalEntityEvents/lei:LegalEntityEvent/lei:LegalEntityEventEffectiveDate					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	' tab in the LEI Search.							
LegalEntityEventRecordedDate	Entity Event Recorded Date can be viewed under the 'Events and Changes' tab in the LEI Search.		Entity.LegalEntityEvents.LegalEntityEvent[*].LegalEntityEventRecordedDate	The date when the legal entity event was recorded in the Global LEI System.	NA	dateTime	LEIDateTimeProfileGeYear2000	[1,1]
			NA					
			/lei:LegalEntityEvents/lei:LegalEntityEvent/lei:LegalEntityEventRecordedDate					
ValidationDocuments	Entity Event Validation		Entity.LegalEntityEvents.LegalEntityEvent[*].ValidationDocuments	This defines the type of source document(s) used for	ValidationDocumentsTypeEnum	String	NA	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	on Documents can be viewed under the 'Events and Changes' tab in the LEI Search.		NA	validating the legal entity event.	The enumeration values are as follows: - ACCOUNTS_FILING - REGULATORY_FILING - SUPPORTING_DOCUMENTS - CONTRACTS - OTHER_OFFICIAL_DOCUMENTS			
			/lei:LegalEntityEvents/lei:LegalEntityEvent/lei:ValidationDocuments					
ValidationReference	Entity Event Validation Reference can		Entity.LegalEntityEvents.LegalEntityEvent.[*].ValidationReference	This refers to a specific document or other source used as the basis of validation for this legal entity event.	NA	String	Tokenized500Type	[0,1]
			NA					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	be viewed under the 'Events and Changes' tab in the LEI Search.		/lei:LegalEntityEvents/lei:LegalEntityEvent /lei:ValidationReference					
Affected Fields	Entity Event Affected Field Value and Entity Event Affected Field Xpath are		Entity.LegalEntityEvents.LegalEntityEvent.[*].AffectedFields.[1-5].AffectedField	This is a list of LEI record set elements that are expected to be updated in the LEI Record set as a result of a legal entity event.	NA	String	Tokenized500T ype	[0,1]
			NA					
			/lei:LegalEntityEvents/lei:LegalEntityEvent/lei:AffectedFields/lei:AffectedField					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	available under the 'Events and Changes' tab in the LEI Search.							
Entity – Registration								
InitialRegistrationDate	Registration Date	registration.initialRegistrationDate	Registration.InitialRegistrationDate	The date of the first LEI assignment, being the date of publication of the identifier and its supporting data record as represented in ISO 8601.	NA	dateTime	LEIDateTimeProfile	[1,1]
			registration.initialRegistrationDate					
			/lei:LEIRecord/lei:Registration/lei:InitialRegistrationDate					
LastUpdateDate	Last Update		Registration.LastUpdateDate	The date/time the LEI record was most recently updated.	NA	dateTime	LEIDateTimeProfile	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
		registration.lastUpdateDate	registration.lastUpdateDate					
		/lei:LEIRecord/lei:Registration/lei>LastUpdateDate						
RegistrationStatus	Status	registration.status	Registration.RegistrationStatus	The status of the legal entity's LEI registration with the ManagingLOU/LEI Issuer.	RegistrationStatusEnum The enumeration values are as follows: • *PENDING_VALIDATION • ISSUED • DUPLICATE • LAPSED • RETIRED • ANNULLED • *CANCELLED • *TRANSFERRED	String	RegistrationStatusEnum	[1,1]
		registration.status						
		/lei:LEIRecord/lei:Registration/lei:RegistrationStatus						



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					- PENDING_TRANSFER - PENDING_ARCHIVAL Please note that the PENDING_VALIDATION, CANCELLED, and TRANSFERRED are LEI Issuers/LOUs internal statuses and are not published.			
NextRenewalDate	Next Renewal	registration.nextR	Registration.NextRenewalDate	The next date by which the LEI registration should be renewed and re-certified by the legal entity.	NA	dateTime	LEIDateTimeProfile	[1,1]
			registration.nextRenewalDate					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
		renewalDate	/lei:LEIRecord/lei:Registration/lei:NextRenewalDate					
Managing LOU	LEI Issuer	registration.managingLou	Registration.ManagingLOU	The LEI of the LOU that is responsible for administering this LEI registration.	NA	String	LEIType	[1,1]
		registration.managingLou	registration.managingLou					
			/lei:LEIRecord/lei:Registration/lei:ManagingLOU					
Validation Sources	Corroboration Level	registration.corroborationLevel	Registration.ValidationSources	The level of validation of the reference data provided by the registrant.	ValidationSourceTypeEnum The enumeration values are as follows: - ENTITY_SUPPLIED_ONLY - PARTIALLY_CORROBORATED	String	ValidationAuthorityType	[0,1]
		registration.corroborationLevel	registration.corroborationLevel					
			/lei:LEIRecord/lei:Registration/lei:ValidationSources					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					FULLY_CORROBORATED			
Validation Authority	Data Validated At	registration.validatedAt	-	This defines the information about the (primary) official authority in the legal entity's jurisdiction of legal registration, for example a business registry, and the corresponding identification of the legal entity by that official source used to validate the legal entity reference data.	NA	String	ValidationAuthorityType	[0,1]
	The Data		Registration.ValidationAuthority.ValidationAuthorityID	The reference code of the registration authority, taken	RegistrationAuthorityEnum	String	RegistrationAuthorityEnum	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
ValidationAuthorityID	Validated At (ID) data field is viewed under 'Events and Changes' tab. This is also added in the LEI Data Field drop-down list when performing an	registration.validatedAt.id	registration.validatedAt.id	from the Registration Authorities Code List (RA list) maintained by GLEIF.				
			/lei:Registration/lei:ValidationAuthority /lei:ValidationAuthorityID					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	LEI Search in Expert Mode.							
OtherValidationAuthorityID	The Data Validated At (other) data field is viewed under <i>'Events and Changes'</i> tab.	registration.otherValidationAuthorities.validatedAt.other	Registration.ValidationAuthority.OtherValidationAuthorityID registration.otherValidationAuthorities[*].validatedAt.other	A legacy/historical reference code of a registration authority which is not yet entered in the Registration Authorities Code List (RA list) maintained by GLEIF, or the designation of an interim register until such time as an entry from RA list can be delivered.	NA	String	Tokenized500Type	[0,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	This is also added in the LEI Data Field drop-down list when performing an LEI Search in Expert Mode.		/lei:Registration/lei:OtherValidationAuthorities/lei:OtherValidationAuthority/lei:OtherValidationAuthorityID					
ValidationAuthorityEntityID	Data Validated As	registration.otherValidationAuthority	Registration.ValidationAuthority.ValidationAuthorityEntityID	The identifier of the entity at the indicated registration authority.	NA	String	Tokenized500Type	[0,1]
			registration.otherValidationAuthorities[*].validatedAs					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
		ties.validatedAs	/lei:Registration/lei:OtherValidationAuthorities/lei:OtherValidationAuthority/lei:ValidationAuthorityEntityID					
OtherValidationAuthorities	Other Validation Authorities	NA	NA	An optional list of additional registration authorities used by the LEI Issuer to validate the entity data	NA	OtherValidationAuthoritiesType	NA	[0,1]
ValidationAuthorityID	Data Validated At (ID)	registration.otherValidationAuthorities.validatedAt.id	Registration.OtherValidationAuthorities.OtherValidationAuthority.[*].ValidationAuthorityID registration.otherValidationAuthorities.validatedAt.id /lei:Registration/lei:OtherValidationAuthorities/lei:OtherValidationAuthority/lei:ValidationAuthorityID	The reference code of the registration authority, taken from the Registration Authorities Code List (RA list) maintained by GLEIF.	NA	RegistrationAuthorityEnum	RegistrationAuthorityEnum	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
OtherValidationAuthorityID	Data Validated At (other)	registration.otherValidationAuthorities.validatedAt.other	Registration.OtherValidationAuthorities.OtherValidationAuthority.[*].OtherValidationAuthorityID	A legacy / historical reference code of a registration authority which is not yet entered in the Registration Authorities Code List (RA list) maintained by GLEIF, or the designation of an interim register until such time as an entry from RA list can be delivered.	NA	String	Tokenized500T ype	[0,1]
			registration.otherValidationAuthorities[*].validatedAt.other					
			/lei:Registration/lei:OtherValidationAuthorities/lei:OtherValidationAuthority/lei:OtherValidationAuthorityID					
ValidationAuthorityEntityID	Data Validated As	registration.otherValidationAuthorities.validatedAs	Registration.OtherValidationAuthorities.OtherValidationAuthority.1.ValidationAuthorityEntityID	The identifier of the entity at the indicated registration authority.	NA	String	Tokenized500T ype	[0,1]
			registration.otherValidationAuthorities[*].validatedAs					
			lei:Registration/lei:OtherValidationAuthorities/lei:OtherValidationAuthority/lei:ValidationAuthorityEntityID					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Next Version	NA	NA	NA	A structure for adding further elements into the Registration section of the LEI Data Record in anticipation of a new version, by nesting a series of XML elements with this content model within the NextVersion element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.	NA		RegistrationNextVersionType	[0,1]
Extension	NA	NA	NA	The Extension element may contain any additional elements required to extend the LEI Records container.	NA	NA	ExtensionType	[0,1]
NA	The geocoding	NA	NA	The geocoding information such as the coordinates (longitude, latitude) and	NA	String	NA	NA
			NA					



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	extension details are viewed in the LEI Search under the Show XML tab.		gleif:Geocoding The geocoded version of addresses is added to each LEI record, using the <lei:Extension>. Please note that these additional versions do not replace or change the original LEI data provided by the LEI Issuer.	normalized address strings for the legal address and headquarters address of an LEI record is added in the Golden Copy Files. The geocoded address has the following information: - Normalized address fields which offer a more consistent format across all data records. - Longitude / latitude coordinates for automatic processing of the address location.				
NA	Policy Conforming	conformityFlag	Extension.gleif:conformity.gleif:conformityFlag	The Policy Conformity flag is added to each Legal Entity to	The Policy Conformity	String	NA	[1,1]



LEI Data Field				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	Policy Non-Conforming		Extension:gleif:conformity:gleif:conformityFlag	indicate if the legal entity conforms to the ROC polices. This increases the level of transparency and ensure high-quality legal entity reference data is available to data users.	enumeration values are as follows:			
	LEI end-state: Policy Not Applicable		gleif:conformity	Please note that the Policy Conformity flag is not included in either the XSD schema or the concatenated files.	•CONFORMING •NON_CONFORMING •NOT_APPLICABLE			



2 Level 2 Data: Relationship Records (RR) CDF Format 2.1

The Legal Entity Identifier (LEI) data pool includes 'Level 2 data' to answer the question of 'who owns whom'. Specifically, legal entities that have or acquire an LEI report their 'direct accounting consolidating parent' as well as their 'ultimate accounting consolidating parent'.

The child legal entity are obliged to provide the LEI, respectively, of its direct and ultimate parent to the LEI issuing organization. The Relationship Record CDF (RR-CDF) format applies to relationship records for LEI registrants whose direct and ultimate parents have obtained an LEI. It defines the technical format which specifies how Level 2 data, i.e. relationship records, is stored and transferred between LEI issuing organizations, the Global Legal Entity Identifier Foundation (GLEIF) and all users of the data.

The RR-CDF format contains elements which, respectively:
Identify the legal entities involved.

- Specify the type and other characteristics (e.g. dates) of the relationship.
- Show relationship validation and reporting information collected by the
- LEI issuing organization responsible for managing the relationship record.

For more details, please refer to: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/level-2-data-relationship-record-rr-cdf-2-1-format>

2.1 Level 2– RR–CDF (v 2.1)

The following table outlines the representation of Level 2 relationship records data fields in various formats, including Common Data File (CDF) formats, LEI Search, GLEIF API, and Golden Copy Files (CSV, JSON, XML).

Please note that the “Relationship Records- Relationship”, and “Relationship Records- Registration” headings in the table below are included to improve the document’s structure and aid in document navigations and these are not part of the CDF format.

Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					

Relationship Records– Relationship								
StartNode	Start Node	startNode.id	Relationship.StartNode.NodeID	An LEI or ISO 17442-compatible ID for the entity at the "start" of a directional relationship. The StartNode includes NodeID and NodeIDType.	NA	String	LEIType	[1,1]
			RelationshipRecord:relationship.startNode.id					
			/rr:RelationshipRecord/rr:Relationship/rr:StartNode/rr:NodeID					
	Start NodeType	startNode.type	Relationship.StartNode.NodeIDType		NodeIDTypeEnum		NodeIDTypeEnum	
			RelationshipRecord:relationship.startNode.type					
			/rr:RelationshipRecord/rr:Relationship/rr:StartNode/rr:NodeIDType					
EndNode	End Node	endNode.id	Relationship.EndNode.NodeID	An LEI or ISO 17442-compatible ID for the entity at the "end" of a directional relationship.	NA	String	NodeType	[1,1]
			relationship.endNode.id					
			/rr:RelationshipRecord/rr:Relationship/rr:EndNode/rr:NodeID					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
	End Node Type	endNode.type	Relationship.EndNode.NodeIDType	The EndNode includes NodeID and NodeIDType.	NodeIDTypeEnum		NodeIDTypeEnum	
			relationship.endNode.type					
			/rr:RelationshipRecord/rr:Relationship/rr:EndNode/rr:NodeIDType					
Relationship Type	Relationship Type	Relationship.type	Relationship.RelationshipType	A unique code designating the specific category of a directional relationship between two legal entities.	RelationshipTypeEnum The enumeration values are as follows: - IS_DIRECTLY_CONSOLIDATED_BY - IS_ULTIMATELY_CONSOLIDATED_BY - IS_INTERNATIONAL_BRANCH_OF - IS_FUND-MANAGED_BY - IS_SUBFUND_OF - IS_FEEDER_TO	String	NodeType	[1,1]
			Relationship:RelationshipType					
			/rr:RelationshipRecord/rr:Relationship/rr:RelationshipType					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Relationship Periods		relationships:periods	NA	A collection of paired beginning and end dates relating to the relationship itself, periods (e.g. accounting cycles) covered by documents demonstrating the relationship, or the filing date(s) of those documents.	NA	String	RelationshipPeriodType	[0,1]
StartDate	Relationship Period Start Date	relationships:periods:startDate	Relationship.Period[*].startDate	The start date for a particular period relevant to the relationship.	NA	dateTime	LEIDateTimeProfile	[0,1]
			relationship.periods[*].startDate					
			/rr:RelationshipPeriods/rr:RelationshipPeriod/rr:StartDate					
EndDate	Relationship Period End Date	relationships:periods:endDate	Relationship.Period[*].endDate	The end date for a particular period relevant to the relationship.	NA	dateTime	LEIDateTimeProfile	[0,1]
			relationship.periods[*].endDate					
			/rr:RelationshipPeriods/rr:RelationshipPeriod/rr:EndDate					
			Relationship.Period[*].periodType		PeriodTypeEnum	String		[1,1]



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Period Type	Relationship Period Type	relationship:periods:type	relationship.periods[*].type /rr:RelationshipPeriods/rr:RelationshipPeriod/rr:PeriodType	This contains one set of start and end dates for a particular type of period, for example, the duration of the relationship itself, the filing or validity period of any documents demonstrating the relationship, or the accounting period they refer to.	The enumeration values are as follows: - ACCOUNTING_PERIOD - RELATIONSHIP_PERIOD - DOCUMENT_FILING_PERIOD		RelationshipPeriodsType	
RelationshipStatus	Registration/RegistrationStatus	relationship:status	Relationship.RelationshipStatus registration.status /rr:RelationshipRecord/rr:Registration/rr:RegistrationStatus	The status of the legal entity's relationship.	RelationshipStatusEnum The enumeration values are as follows: - ACTIVE - INACTIVE - NULL	String	NA	[1,1]
RelationshipQ	NA	NA	NA	Any additional qualitative attributes that help to	NA	String	RelationshipQualifierType	[0,*]



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Qualifiers				categorize the relationship and these are as follows: - QualifierDimension - Qualifier Category				
QualifierDimension	Relationship Qualifier Dimension	NA	Relationship.Qualifiers.1.QualifierDimension	An additional optional list of qualitative attributes that help to categorize the relationship.	QualifierDimensionEnum			
			Relationship.Qualifiers:RelationshipQualifier: QualifierDimension					
			/rr:RelationshipRecord/rr:Relationship/rr:RelationshipQualifiers/rr:RelationshipQualifier/rr:QualifierDimension					
QualifierCategory	Relationship Qualifier Category	NA	Relationship.Qualifiers.1.QualifierCategory	Any additional qualitative attributes that help to categorize the relationship.	QualifierCategoryTypeEnum			
			Relationship.Qualifiers.[*]:RelationshipQualifier:QualifierCategory					
			/rr:RelationshipRecord/rr:Relationship/rr:RelationshipQualifiers/rr:RelationshipQualifier/rr:QualifierCategory					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
RelationshipQuantifiers	NA	NA	NA	Any additional quantitative attributes that help to categorize the relationship.	NA	String	RelationshipQuantifiersType	[0,*]
MeasurementMethod	RelationshipQuantifierMeasurementMethod	NA	Relationship.Quantifiers[*].MeasurementMethod	This specifies the method of measurement (or set of rules) used to quantitatively categorize the relationship.	MeasurementMethodTypeEnum The only allowed value is “ACCOUNTING_CONSOLIDATION”.	String		
			NA					
			/rr:Relationship/rr:RelationshipQuantifiers/rr:RelationshipQuantifier/rr:MeasurementMethod					
QuantifierAmount	RelationshipQuantifierAmount	NA	Relationship.Quantifiers[*].QuantifierAmount	This specifies the quantity measured as a decimal (positive or negative) number. The decimal point should be represented using a period (.) with no spaces, and without thousand delimiters.	NA	Decimal		
			NA					
			/rr:Relationship/rr:RelationshipQuantifiers/rr:RelationshipQuantifier/rr:QuantifierAmount					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				For example, “2,000.55” is represented as “2000.55”.				
QuantifierUnits	Relationship Quantifier Units	NA	Relationship.Quantifiers.1.Quantifier Units	This specifies the units, where applicable, of a measurement made on a relationship.	QuantifierUnitsTypeEnum The only allowed value is “PERCENTAGE”.	String		
			NA					
			/rr:Relationship/rr:RelationshipQuantifiers/rr:RelationshipQuantifier/rr:QuantifierUnits					
NextVersion	NA	NA	NA	A structure for adding further elements in to the Registration section of the Relationship Record in anticipation of a new version, by nesting a series of XML elements with this content model within the NextVersion element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the	NA	String	RelationshipNextVersionType	[0,1]



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
				element name upon each iteration.				
Extension	NA	NA	NA	The Extension element may contain any additional elements required to extend the RelationshipRecord.	NA	String	ExtensionType	[0,1]
Relationship Record – Registration								
InitialRegistrationDate	Registration/InitialRegistrationDate	registration.initialRegistrationDate	Registration.InitialRegistrationDate	The date at which the relationship information was first collected by the Managing LOU.	NA	dateTime	LEIDateTimeProfile	[1,1]
			registration.initialRegistrationDate					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:InitialRegistrationDate					
LastUpdateDate	Registration/LastUpdateDate	registration.lastUpdateDate	Registration.LastUpdateDate	The date at which the information was most recently updated by the Managing LOU.	NA	dateTime	LEIDateTimeProfile	[1,1]
			registration.lastUpdateDate					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:LastUpdateDate					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Registration Status	Registration/RegistrationStatus	Registration.status	Registration.RegistrationStatus	The status of the legal entity's relationship record registration with the Managing LOU.	RegistrationStatusEnum The enumeration values are as follows: - PENDING_VALIDATION - PUBLISHED - DUPLICATE - LAPSED - RETIRED - ANNULLED - TRANSFERRED - PENDING_TRANSFE - PENDING_ARCHIVAL Please note that the PENDING_VALIDATION and TRANSFERRED are LEI Issuers/LOUs	String	RegistrationStatusEnum	[1,1]
			Registration:RegistrationStatus					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:RegistrationStatus					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					internal statuses and are not published.			
NextRenewalDate	Registration/NextRenewalDate	registration.nextRenewalDate	Registration.NextRenewalDate	The next date by which the relationship information SHALL be renewed and re-certified by the legal entity.	NA	dateTime	LEIDateTimeProfile	[0,1]
			Registration:NextRenewalDate					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:NextRenewalDate					
ManagingLOU	Registration/ManagingLOU	registration.managingLOU	Registration.ManagingLOU	The LEI of the LOU that is responsible for administering this relationship record.	NA	String	LEIType	[1,1]
			registration.managingLOU					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:ManagingLOU					
ValidationSources	Registration/ValidationSources	registration.corroborationLevel	Registration.ValidationSources	This defines the level of relationship validation.	ValidationSourcesTypeEnum	String	ValidationSourcesTypeEnum	[1,1]
			registration.corroborationLevel					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:ValidationSources					



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
					- ENTITY_SUPPLIED_ONLY - PARTIALLY_CORROBORATED - FULLY_CORROBORATED			
ValidationDocuments	Registration/ValidationDocuments	Registration.corroborationDocuments	Registration.ValidationDocuments	This defines the type of source document(s) used for validating the relationship.	ValidationDocumentsTypeEnum	String	ValidationDocumentsTypeEnum	[1,1]
			registration.corroborationDocuments					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:ValidationDocuments		The enumeration values are as follows: - ACCOUNTS_FILING - REGULATORY_FILING - SUPPORTING_DOCUMENTS - CONTRACTS - OTHER_OFFICIAL_DOCUMENTS			



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
ValidationReference	Registration/ValidationReference	Registration.corroborationReference	Registration.ValidationReference	A reference to a specific document or other source used as the basis of relationship validation for this relationship record.	NA	String	Tokenized500Type	[0,1]
			registration.corroborationReference					
			/rr:RelationshipRecords/rr:RelationshipRecord/rr:Registration/rr:ValidationReference					
NextVersion	NA	NA	NA	A structure for adding further elements in to the Registration section of the Relationship Record in anticipation of a new version, by nesting a series of XML elements with this content model within the NextVersion element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.	NA	String	RegistrationNextVersionType	[0,1]



Level 2 – Relationship Records data fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
Extension	NA	NA	NA	The Extension element may contain any additional elements required to extend the RelationshipRecord.	NA	String	ExtensionType	[0,1]
			NA					
			NA					



3 Level 2 Data: Reporting Exceptions (repex)

Format 2.1

The Legal Entity Identifier (LEI) data pool includes 'Level 2' data to answer the question of 'who owns whom'. Specifically, legal entities that have or acquire an LEI report their 'direct accounting consolidating parent' as well as their 'ultimate accounting consolidating parent'.

Records in the Reporting Exceptions format refer to a child legal entity and its direct or ultimate parent and mention the type of reporting exception.

In other words, the Reporting Exceptions contains a list of reporting exceptions, with reason(s) for each exception, provided by legal entities, for declining to provide specified classes of relationship information.

Reporting exceptions are as follows:

- There is no parent entity.
- The child legal entity opts out of reporting for exceptional reasons.
- Parent entities do not have an LEI.

3.1 Level 2– Reporting Exceptions–CDF (v 2.1)

The following table outlines the representation of Level 2 reporting exceptions data fields in various formats, including Common Data File (CDF) formats, LEI Search, GLEIF API, and Golden Copy Files (CSV, JSON, XML).

Please note that the “Reporting Exceptions – Exceptions” heading in the table below is included to improve the document structure and aid in document navigation and is not part of the CDF format.



LEI – Reporting Exceptions Data Fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					

Reporting Exceptions– Exception								
LEI	NA	lei	LEI	The ISO 17442 compatible identifier for the legal entity which raised this exception.	NA	String	LEIType	[1,1]
			exceptions:LEI					
			/repex:ReportingExceptionData/repex:ReportingExceptions/repex:Exception/repex:LEI					
ExceptionCategory	NA	category	Exception.Category	A category of mandatory information reporting, beyond the minimum required for legal entity identification, which the legal entity declines, giving reasons and references where applicable.	ExceptionCategoryEnum	String	NA	[1,1]
			exceptions:ExceptionCategory					
			/repex:ReportingExceptionData/repex:ReportingExceptions/repex:Exception/repex:ExceptionCategory					



LEI – Reporting Exceptions Data Fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
ExceptionReason	Reporting Exception	reason	Exception.Reason	A single reason provided by the legal entity for declining to provide the mandatory report of a specified type of information (beyond the minimum reference data needed purely for identification of the legal entity).	ExceptionReasonEnum The enumeration values are as follows: - NO_LEI - NATURAL_PERSONS - NON_CONSOLIDATING - NO_KNOWN_PERSON - NON_PUBLIC	String	NA	[1,*]
			exceptions:ExceptionReason					
			/repex:ReportingExceptionData/repex:ReportingExceptions/repex:Exception/repex:ExceptionReason					
ExceptionReference	NA	reference	Exception.Reference	References of the law, regulation, or other element of the legal framework to support reason(s) provided by the legal entity for declining to provide information on its parents.	NA	String	Tokenized500Type	[0,*]
			Exceptions: ExceptionReference					
			/repex:ReportingExceptionData/repex:ReportingExceptions/repex:Exception/repex:ExceptionReference					



LEI – Reporting Exceptions Data Fields				Description	Enumeration Values	Data Type	Validations Data	Cardinality
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)					
NextVersion	Relationship Period Start Date	NA	NA	A structure for adding further elements in to the Reporting Exceptions section of the Reporting Exceptions Record in anticipation of a new version, by nesting a series of XML elements with this content model within the NextVersion element, one for each new minor version of the schema, postpending a serial number (1,2,3...) to the element name upon each iteration.	NA	String	ReportingExceptionNextVersionType	[0,*]
Extension	NA	NA	NA	The repex:Extension element may contain any additional elements required to extend the Reporting Exception. For example, DeletedAt	NA	String	ExtensionType	[0,1]



4 LEI - Mapping Data Fields

The Global Legal Entity Identifier Foundation (GLEIF) has established a free of charge certification process – the GLEIF Certification of LEI Mapping service - to ensure that organizations which map the LEI to their own identifiers use state of the art methodologies and / or processes to do so accurately.

Certification, and the subsequent publication by GLEIF of publicly available, open-source relationship files which match the mapping partner identifiers against corresponding LEIs, eases the process of gathering, aggregating and reconciling counterparty information. This can be useful for many purposes including compliance; regulatory reporting; client relationship management; and due diligence.

The overall purpose of mapping LEI to mapping partner identifiers is to achieve transparency of the legal entity and ensuring data accuracy across the financial system.

GLEIF publishes the following LEI Mapping files:

- ISIN LEI
- BIC LEI
- MIC LEI
- OC LEI
- SP Global LEI

For more details, please refer to: <https://www.gleif.org/en/lei-data/lei-mapping>

LEI-Mapping Fields				Description
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)	
NA	ISIN Code	isins	NA	The ISIN is the recognized global standard for unique identification of financial instruments, e.g., securities. The term commonly refers to any form of financial instrument, but its legal definition varies by jurisdiction.
			NA	For example, an ISIN code issued by Commerzbank is DE000CV26046. To download the isin-lei mapping file for a specific date, please use the below API call format:
			NA	https://isinmapping.gleif.org/api/v2/isin-lei/YYYY-MM-DD/download . Here, 'YYYY' denotes the year, 'MM' denotes the month, and 'DD' denotes the date. For example, isin-lei mapping files for 03, February 2023 can be retrieved as: https://isinmapping.gleif.org/api/v2/isin-lei/2023-02-03/download



LEI-Mapping Fields				Description
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)	
NA	MIC Code	mic	NA	The MIC (ISO 10383) is an international standard developed by the International Organization for Standardization (ISO) to identify exchanges, trading platforms, regulated or non-regulated markets and trade reporting facilities as sources of prices and related information. For example, the MIC code for the Commerzbank is CBKA.
			NA	To download the mic-lei mapping file for a specific month, please use the below API call format: https://mapping.gleif.org/api/v2/mic-lei/YYYY-MM . Here, 'YYYY' denotes the year and 'MM' denotes the month.
			NA	For example, mic-lei mapping files for February 2023 can be retrieved as: https://mapping.gleif.org/api/v2/mic-lei/2023-02 To download the latest mic-lei mapping file , please use the below API call format: https://mapping.gleif.org/api/v2/mic-lei/latest/download



LEI-Mapping Fields				Description
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)	
NA	BIC Code	bic	NA	The BIC (ISO 9362) is an international standard developed by the International Organization for Standardization (ISO) for the identification of institutions within the financial services industry. SWIFT is the registration authority for the BIC standard appointed by ISO. In this role, SWIFT receives BIC registration requests, assigns a BIC, and publishes the related BIC data record. For example, the BIC code for the Commerzbank is COBADEFFXXX. To download the bic-lei mapping file for a specific date, please use the below API call format: https://mapping.gleif.org/api/v2/bic-lei/YYYY-MM. Here, 'YYYY' denotes the year and 'MM' denotes the month. For example, bic-lei mapping files for February 2023 can be retrieved as: https://mapping.gleif.org/api/v2/bic-lei/2023-02
			NA	
			NA	



LEI-Mapping Fields				Description
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)	
NA	S&P Global Company ID The S&P Global Company ID-to-LEI mapping is automatically displayed in the LEI Search and is updated weekly.	spglobal	NA	The S&P Global Company ID is the primary key in S&P Global Market Intelligence's Cross Reference Services. The S&P Global Company ID-to-LEI relationship is built upon a mapping process established by S&P Global Market Intelligence and certified by GLEIF. The availability of the S&P Global Company ID-to-LEI relationship makes it easier for financial institutions and public authorities to conduct risk analysis, compliance, KYC, regulatory reporting, etc. For example, the S&P Global Company ID for the Commerzbank is 410710.
			NA	
			NA	
NA	OpenCorporates ID	ocid	NA	The Open Corporates ID provide an open database of the corporate world. The mapping of Open Corporates ID with the LEI promotes greater transparency and control in support of safer, faster, and more efficient payment activities globally and a more secure financial landscape. For example, the Open Corporates ID for the Commerzbank is <u>de/M1201_HRB32000</u>.
			NA	
			NA	



LEI-Mapping Fields				Description
CDF	LEI Search	GLEIF API	Golden Copy Files (CSV, JSON, and XML)	
				To download the Open Corporates ID-LEI (oc-lei) mapping, please use the below API call format: https://mapping.gleif.org/api/v2/oc-lei To download the latest oc-lei mapping file , please use the below API call format: https://mapping.gleif.org/api/v2/oc-lei/latest



5 Supporting Documents

5.1 XML Schema Definitions

Supporting technical specification documents and the corresponding XML schema definitions for all the current versions of the Common Data File (CDF) formats are available for download at: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/supporting-documents>

5.2 Example Files - Golden Copy (XML, JSON, CSV)

Supporting sample files (XML, JSON, and CSV) for Golden Copy file of all the current versions of the Common Data File (CDF) formats are available for download at: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/supporting-documents>

5.2.1 Differences Between CSV, XML and JSON Export Formats

The main differences between the CSV, XML and JSON export are defined in the table below:

CSV	XML	JSON
The CSV export is limited to five entries for repeating fields (which are indicated by an asterisk sign [*]). If more than five entries are present in the original source file (LOU's source file), then only the first five entries are included in the CSV export.	No such limitation exists in XML export.	No such limitation exists in JSON export.
The CSV export does not include Extension tag information, such as Geocoding and Conformity Flag.	Extension tag is included for the XML export.	Extension tag is included for the JSON export.

5.3 Example Files - Concatenated Files (XML)

Supporting sample files (XML) for Concatenated file of all the current versions of the Common Data File (CDF) formats are available for download at: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/supporting-documents>

5.4 Example Files - GLEIF API Response

Supporting sample GLEIF API response files are available for download at: <https://www.gleif.org/en/about-lei/common-data-file-format/current-versions/supporting-documents>

6 Glossary

6.1 Glossary

Term	Description	Maximum Length	Minimum Length	Data Pattern
Tokenized500Type	An element of this type has minimum length of one character and may not contain any of: the carriage return (#xD), line feed (#xA) nor tab (#x9) characters, shall not begin or end with a space (#x20) character, or a sequence of two or more adjacent space characters.	500	1	"\S+(\ \S+)*" The “\S+(\ \S+)*” pattern means it must start and end with a character other than space and in between one space must be surrounded by non-space characters.
RegionCodeType	A 4- to 6-character ISO 3166-2 region code of the region.	6	4	"([A-Z]{2}-[A-Z0-9]{1,3})"
CountryCodeType	A current code from the ISO-approved list SHALL be used. For more details, please see: http://www.iso.org/iso/home/standards/country_codes.htm .	2	2	"([A-Z]{2})"
LEIDateTimeProfileGeYear0001	The dateTime datatype represents a specific instant of time. Here, this indicates a date greater or equal to 1st January 0001	-	-	[d]{4}-([^\.]* ([^\.]*\.(\d){1,3}))([0,1])(Z \/+([01][0-9] 2[0-3]):([0-5][0-9]) -([01][0-9] 2[0-3]):([0-5][0-9]))
LEIType	An element of this type has minimum length of one character and may not contain any of: the carriage return (#xD), line feed (#xA) nor tab (#x9) characters, shall not begin or end with a space (#x20) character, or a sequence of two or more adjacent space characters.	20	20	([0-9A-Z]{18}[0-9]{2})

Term	Description	Maximum Length	Minimum Length	Data Pattern
NodeType	An LEI or ISO 17442-compatible ID for the entity.	20	20	([0-9A-Z]{18}[0-9]{2})