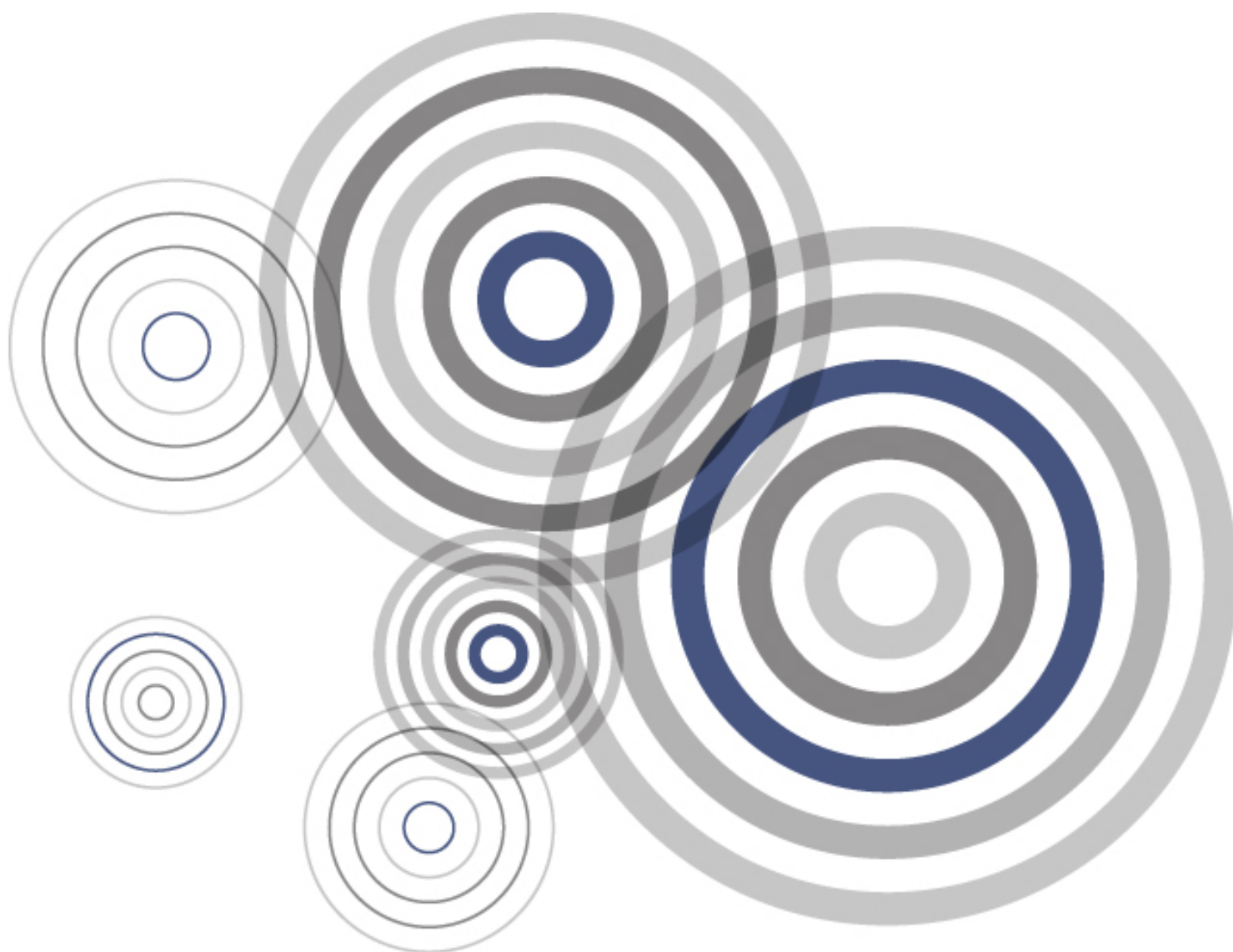# GLEIF Global LEI System Business Report Data Dictionary

Version 1.0

About this Document

This document defines formulas and pseudo codes for reporting on quarterly LEI activity of the Global LEI System.

1. Definitions

a. Terms

Term	Description	Pseudo code or LEI CDF data element
Jurisdiction	The country of the address of the entity as recorded in the registration of the entity	The field in CDF 1.0 which refers to Entity.LegalAddress.Country
LEI issuer	An organization authorized to issue LEIs to legal entities. It includes Pre-LOUs and Accredited LOUs	The field in CDF 1.0 which refers to Registration.ManagingLOU.
LEI issuer's Name	The marketing or short name of the LEI issuer	Referes to internal reference data
FileDate	End date of the current quarter	FileDate IN [ContentDate]

b. Metrics

Term	Total LEI
Description	The total number of LEIs issued as of File Date.
Pseudo Code	COUNT(LEI) WHERE Registration.RegistrationStatus IN ['ISSUED', 'LAPSED', 'PENDING_TRANSFER', 'PENDING_ARCHIVAL', 'MERGED', 'RETIRED']

Term	Active LEI
Description	The number of LEIs for active legal entities as of the File Date.
Pseudo Code	COUNT(LEI) WHERE Registration.RegistrationStatus IN ['ISSUED', 'LAPSED', 'PENDING_TRANSFER', 'PENDING_ARCHIVAL'] and entity.status = 'ACTIVE'

Term	Active and verified LEI
Description	The number of LEIs for active legal entities which are newly issued or, duly renewing the contract as of the File Date.
Pseudo Code	COUNT(LEI) WHERE Registration.RegistrationStatus IN ['ISSUED', 'PENDING_TRANSFER', 'PENDING_ARCHIVAL'] and entity.status = 'ACTIVE'

Term	Quarterly LEI Growth Rate
Description	Percentage of new issuance in a given quarter.
Formula	$$\frac{Number\ of\ New\ Issuance\ in\ the\ present\ Quarter}{Active\ LEI\ in\ the\ last\ Quarter}$$
Pseudo Code for the number of New Issuance in the present Quarter	IF (Registration.InitialRegistrationDate > "last quarter end date") AND IF LEI IN (Active LEI Count file) THEN COUNT(LEI)
Pseudo Code for total number of Active LEI in the last Quarter	IF (Registration.InitialRegistrationDate ≤ "last quarter end date") AND IF LEI IN (Active LEI Count file) THEN COUNT(LEI)

Term	LEI Renewal Ratio
Description	Ratio of active and verified LEIs to Active LEIs
Formula	$$\frac{Active\ and\ verified\ LEIs\ having\ at\ least\ 1\ renewal\ event}{Active\ LEIs\ having\ at\ least\ 1\ renewal\ event}$$
Pseudo Code for Active and verified LEIs having at least 1 renewal event	IF (Registration.InitialRegistrationDate) < "present quarter start date" – 1 year) and LEI in (Active and verified LEI Count file) THEN COUNT (LEI)
Pseudo Code for Total Active LEIs having at least 1 renewal event	IF (Registration.InitialRegistration.Date) < "present quarter start date" – 1 year) and LEI in (Active LEI Count file)

	THEN COUNT (LEI)

Term	LEI Non-Renewal Ratio
Description	Ratio of Non-Renewal (Lapsed) LEIs to Active LEIs
Formula	$$\frac{Lapsed\ LEIs}{Active\ LEIs\ having\ at\ least\ 1\ renewal\ event}$$
Pseudo Code for Lapsed LEIs	IF (Registration.RegistrationStatus) = "LAPSED" THEN COUNT (LEI)
Pseudo Code for Total Active LEIs having at least 1 renewal event	IF (Registration.InitialRegistration.Date) < "present quarter start date" − 1 year) and LEI in (Active LEI Count file) THEN COUNT (LEI)

Term	Concentration Score (competition amongst LEI issuers)
Description	The degree of competition between LEI issuers in a jurisdiction. The concept of calculation is the Herfindahl-Hirschman Index (HHI) where a score of more than 50 refers to a less competitive market. Here jurisdictions having more than 1000 LEIs in the last quarter are considered.
Formula	$$S_j = \sum_{k=1\ldots n} M_{jk}{}^2$$ Where, S_j = concentration score of jurisdiction j n = number of LEI issuer in a given jurisdiction M_{jk} = market share of an LEI issuer k in the jusrisdiction j
Example	There are three LEI issuers in UK and the corresponding market shares are 70%, 27% and 3%. Hence, the concentration score of UK = $0.7^2 + 0.27^2 + 0.3^2$ = 0.56 or 56%

Term	Percentage of Fully Corroborated LEIs
Description	Ratio of Fully Corroborated LEIs to Active LEIs
Formula	$$\frac{\textit{Active LEIs that are Fully Corroborated}}{\textit{Active LEIs}}$$
Pseudo Code for Active LEIs that are fully corroborated	IF (Registration.ValidationSources) = "FULLY_CORROBORATED" and LEI in (Active LEI Count file) THEN COUNT (LEI)