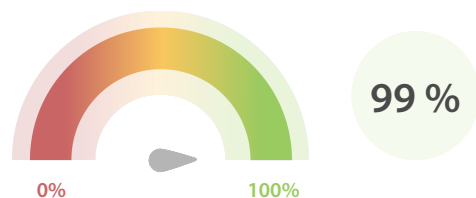


Data Quality Scores

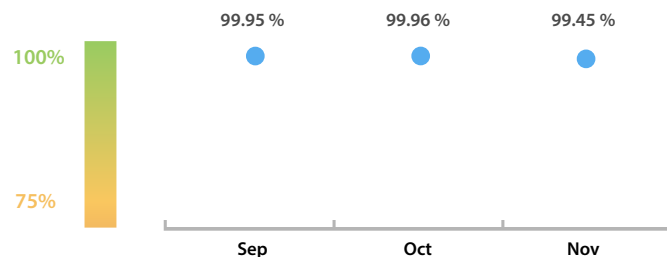
LEI Issuer Total Data Quality Score

The LEI Issuer Total Data Quality Score is calculated as the equal weighted average of the 8 'Data Quality Criteria'.

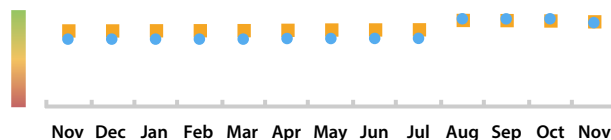


LEI Issuer Total Data Quality Score Trend

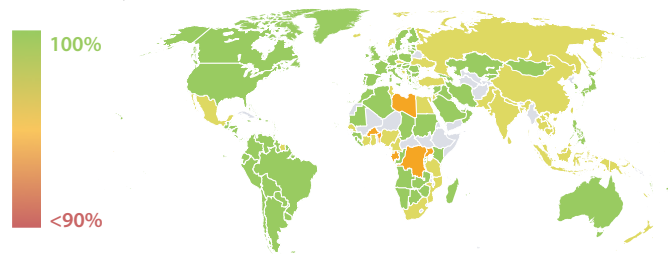
Progress achieved with regard to the continuous optimization of the data quality based on the LEI Issuer Total Data Quality Score.



LEI Issuer Data Quality (●) against LEI Pool Average (■)



Data Quality in Covered Countries



Data Quality Criteria

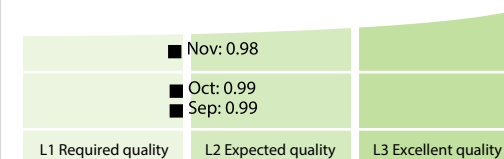
	Nov	Oct	# Checks	# Failed Records
Accuracy	99.99 %	100.00 %	7	1 (< 0.01 %)
Completeness	99.70 %	99.86 %	1	959 (0.29 %)
Comprehensiveness	100.00 %	100.00 %	2	0 (0 %)
Consistency	98.77 %	N/A	16	38,358 (11.84 %)
Currency	99.98 %	N/A	1	53 (0.01 %)
Integrity	98.18 %	99.92 %	15	85,453 (26.39 %)
Uniqueness	99.97 %	100.00 %	1	71 (0.02 %)
Validity	99.00 %	100.00 %	15	22,310 (6.89 %)

The Data Quality criteria is expected to contain 12 dimensions. Currently a subset of 8 criteria is implemented, to the detriment of the score, as they are averaged on all of them. This is expected to change, on a nonfixed timeline, to include all 12 dimensions.

Top 5 Failing Checks

	# Failed Records	Check description
C000153	82,003	ContentDate >= LastUpdateDate >= InitialRegistrat...
C000269	20,794	a RelationshipPeriod with PeriodType RELATIONS...
C000260	20,794	RelationshipPeriods with PeriodType RELATIONSH...
C000268	20,335	a RelationshipPeriod with PeriodType DOCUMENT...
C000249	20,302	ValidationReference contains valid text content.

Quality Maturity Level



Statistics

Totals	Values
Managed LEIs	323,719 (+8.74 %)
Active entities managed	318,349 (+8.85 %)
Inactive entities managed	5,370 (+2.24 %)
Covered countries	197 (+1.54 %)
New lapsed LEIs *	3,191 (N/A)

Level 2 Info	Values
LEIs with LEI parent relationships	20,826 (N/A)
LEIs with complete parent information	138,330 (N/A)

Duplicates	Values
Total LEIs marked as duplicate **	1,651 (N/A)
Duplicate percentage of managed LEIs	< 1 % (N/A)

Challenges	Values
Challenges this month	187 (-17.25 %)
Duplicates found this month	63 (> 100 %)
Updates to entity information this month	95 (N/A)

Files	Values
No. of days per month with CDF-compliant file uploads	30 / 30 (+/- 0 %)

* Please see our Business Report www.gleif.org/business-reports for detailed information around lapsed LEIs.

** RegistrationStatus = DUPLICATE