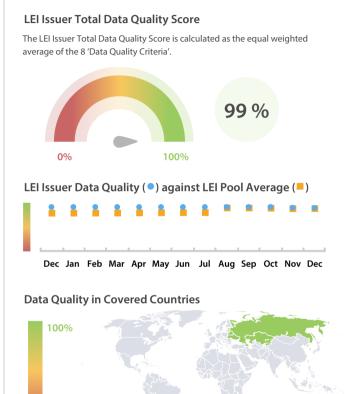


Data Quality Scores



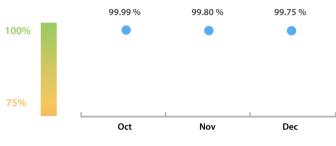
<90%

Top 5 Failing Checks

	# Failed Records	Check description	
<u>C000245</u>	87	LEI has exactly one record for ultimate parent and	
<u>C000272</u>	46	it is different from LegalName.	
<u>C000146</u>	25	NextRenewalDate >= ContentDate and NextRenew	
<u>C000075</u>	17	LegalAddress/Region is an ISO 3166-2 country sub	
<u>C000243</u>	4	this LEI must not have any parent RR record and m	

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.

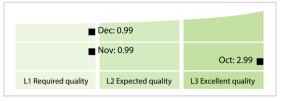


Data Quality Criteria	Dec	Nov	# Checks	# Failed Records
Accuracy	99.33 %	99.42 %	7	46 (4.67 %)
Completeness	99.59 %	99.68 %	1	4 (0.40 %)
Comprehensiveness	100.00 %	100.00 %	2	0 (0 %)
Consistency	99.42 %	99.40 %	16	90 (9.14 %)
Currency	100.00 %	100.00 %	1	0 (0 %)
Integrity	100.00 %	100.00 %	15	0 (0 %)
Uniqueness	100.00 %	100.00 %	1	0 (0 %)
Validity	99.71 %	99.89 %	15	42 (4.26 %)

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.

DISCLAIMER: All figures of this LEI Data Quality Report are derived from these sources: 1) Global Legal Entity Identifier Foundation (GLEIF) Concatenated end-of-month files for all months mentioned in this report and 2) Data Quality Reports for all aforementioned concatenated files based on the LEI-Data-Quality-Check Specification v2.0. While every care has been taken in the compilation of this information, GLEIF will not be held responsible for any loss, damage or inconvenience caused as a result of inaccuracy or error within the LEI Data Quality Report. The text and graphic content of the LEI Data Quality Report may be used, printed and distributed ONLY with the copyright information displayed (© Copyright Global Legal Entity Identifier Foundation (GLEIF)).

Quality Maturity Level



Statistics

Totals	Values		
Managed LEIs	984 (+4.56 %)		
Active entities managed	967 (+4.54 %)		
Inactive entities managed	17 (+6.25 %)		
Covered countries	14 (+7.69 %)		
New lapsed LEIs *	29 (+26.08 %)		
Level 2 Info	Values		
LEIs with LEI parent relationships	55 (+61.76 %)		
LEIs with complete parent information	242 (+57.14 %)		
Duplicates	Values		
Total LEIs marked as duplicate **	0 (+/-0 %)		
Duplicate percentage of managed LEIs	0 % (+/-0 %)		
Challenges	Values		
Challenges this month	0 (-100.00 %)		
Duplicates found this month	0 (+/-0 %)		
Updates to entity information this month	2 (> 1000 %)		
Files	Values		
No. of days per month with CDF- compliant file uploads	31 / 31 (+/-0 %)		

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

** RegistrationStatus = DUPLICATE