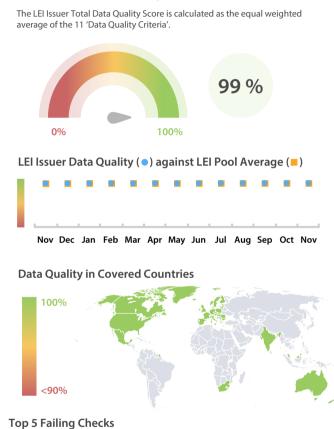
Ubisecure Oy | Data Quality Report | November 2019



Data Quality Scores

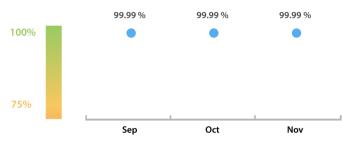
LEI Issuer Total Data Quality Score



	# Failed Records	Check description
<u>C000291</u>	5	If the ultimate parent is public: The ultimate par
<u>C000276</u>	4	RegistrationAuthorityEntityID is in an expected f
<u>C000243</u>	4	This LEI must not have any parent RR record in R
<u>C000262</u>	2	Relationships' NextRenewalDate (date portion) is
<u>N/A</u>	N/A	N/A

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	Nov	Oct	# Checks	# Failed Records
Accessibility	100.00 %	100.00 %	1	0 (0 %)
Accuracy	100.00 %	100.00 %	8	0 (0 %)
Completeness	99.99 %	99.99 %	3	4 (0.01 %)
Comprehensiveness	100.00 %	100.00 %	2	0 (0 %)
Consistency	99.99 %	99.99 %	21	7 (0.03 %)
Currency	100.00 %	100.00 %	1	0 (0 %)
Integrity	100.00 %	99.99 %	18	0 (0 %)
Provenance	99.98 %	99.99 %	1	4 (0.01 %)
Representation	100.00 %	100.00 %	2	0 (0 %)
Uniqueness	100.00 %	100.00 %	2	0 (0 %)
Validity	100.00 %	99.99 %	15	0 (0 %)

The Data Quality criteria is expected to contain 12 dimensions. Currently a subset of 11 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) the Data Quality Reports for the reported month based on the LEI-Data-Quality-Check Specification v2.1.7. 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	21,093 (+12.32 %)		
Active entities managed	21,060 (+12.29 %)		
Inactive entities managed	33 (+37.50 %)		
Covered countries	64 (+1.58 %)		
New lapsed LEIs *	297 (+21.72 %)		
Level 2 Info	Values		
LEIs with LEI parent relationships	284 (+10.07 %)		
LEIs with complete parent information	21,075 (+12.31 %)		
Duplicates	Values		
Total LEIs marked as duplicate **	27 (+3.84 %)		
Duplicate percentage of managed LEIs	< 1 % (-7.54 %)		
Challenges	Values		
Challenges this month	6 (+50.00 %)		
Duplicates found this month	3 (> 1000 %)		
Updates to entity information this month	0 (-100.00 %)		
Files	Values		
No. of days per month with CDF- compliant file uploads	30 / 30 (+/-0 %)		

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

** RegistrationStatus = DUPLICATE