

In case of discrepancies between the French and the English text,  
the French text shall prevail

# **Compendium of verification rules for report S 1.5 «Information on interest rates in EUR»**

**Banque centrale du Luxembourg**

## Contents

1	Introduction.....	3
2	Verification rules .....	4
2.1	Permanent verification rules .....	4
2.1.1	Internal verification rules of report S 1.5.....	4
2.1.2	Verification rules between reports S 1.1 and S 1.5.....	6
<del>1</del>	<del>Introduction.....</del>	<del>3</del>
<del>2</del>	<del>Verification rules .....</del>	<del>4</del>
<del>2.1</del>	<del>Permanent verification rules .....</del>	<del>4</del>
<del>2.1.1</del>	<del>Internal verification rules of report S 1.5.....</del>	<del>4</del>
<del>2.1.2</del>	<del>Verification rules between reports S 1.1 and S 1.5.....</del>	<del>6</del>

## 1 Introduction

This compendium groups all the verification rules that apply to report S 1.5 «Information on interest rates in EUR». The instructions relating to data collection are described in the documents Instructions and Report relating to report S 1.5 «Information on interest rates in EUR».

The objective of the present document is to describe the various internal consistency checks for the statistical report S 1.5 «Information on interest rates in EUR» as well as the consistency checks between report S 1.5 and S 1.1.

We should like to stress the importance of the quality of the data transmitted to the BCL and the necessity to submit the data to the verification rules detailed in the technical documentation. Only a rigorous control undertaken during data production will allow to respect the quality requirements as well as the reporting delays. This point is all the more important since the data collected will be checked by the ECB before aggregating it with the data of the other Member states. Any error or important negligence will have harmful repercussions on the reputation of the whole community of the Luxembourg financial institutions.

## 2 Verification rules

The verification rules are split into 2 groups, namely those that have a permanent character and those that have a temporary character. As far as concerns the verification rules having a permanent character, we invite the software providers to implement these rules whereas the temporary verification rules are more specifically addressed to the reporting agents. The latter are invited to take into account these rules when preparing the data.

### 2.1 Permanent verification rules

Report S 1.5 is subject to two types of verification, namely internal verification rules and consistency checks with report S 1.1.

#### 2.1.1 Internal verification rules of report S 1.5

The following internal verification rules apply:

- all lines must have a credit trend
- if for a given line the amount reported for the data type «TCA» and/or «TAE» is different from zero, the amount reported for data type «AMT» must also be different from zero
- if for a given line the amount reported for the data type «TCG» is different from zero, the amount reported for data type «AMG» must also be different from zero
- the interest rate reported for the data type «TAE» should be equal to the weighted average of interest rates reported for the data type «TCA». The following table gives an illustration of this condition.

Type of data	Category of amount	Initial period of interest rate fixation						
		Floating rate and up to (and including) 3 months initial rate fixation	Over 3 months and up to (and including) 1 year initial rate fixation	Over 1 and up to (and including) 3 years initial rate fixation	Over 3 and up to (and including) 5 years initial rate fixation	Over 5 and up to (and including) 10 years initial rate fixation	Over 10 years initial rate fixation	No breakdown
AMT	TOT	A1	B1	C1	D1	E1	F1	
TCA	TOT	A2	B2	C2	D2	E2	F2	
TAE	TOT							G
AMG	TOT							
TCG	TOT							

$$G \geq [(A1 \cdot A2) + (B1 \cdot B2) + (C1 \cdot C2) + (D1 \cdot D2) + (E1 \cdot E2) + (F1 \cdot F2)] / [A1 + B1 + C1 + D1 + E1 + F1]$$

### 2.1.2 Verification rules between reports S 1.1 and S 1.5

- for outstanding amounts, the following relationships must be verified

S 1.5 maturity BRB	Relation	S 1.1 maturity BRB
1-020-X2-EUR-42100-1E-AMT-TOT	<=	1-020-LU-EUR-42100 + 1-020-X3-EUR-42100
1-021-X2-EUR-42200-1E-AMT-TOT	<=	1-021-LU-EUR-42200 + 1-021-X3-EUR-42200
1-022-X2-EUR-42200-1E-AMT-TOT	<=	1-022-LU-EUR-42200 + 1-022-X3-EUR-42200
1-023-X2-EUR-42200-1E-AMT-TOT	<=	1-023-LU-EUR-42200 + 1-023-X3-EUR-42200

S 1.5 maturity BRI	Relation	S 1.1 maturities (BRG + BRH)
1-020-X2-EUR-42100-1E-AMT-TOT	<=	1-020-LU-EUR-42100 + 1-020-X3-EUR-42100
1-021-X2-EUR-42200-1E-AMT-TOT	<=	1-021-LU-EUR-42200 + 1-021-X3-EUR-42200
1-022-X2-EUR-42200-1E-AMT-TOT	<=	1-022-LU-EUR-42200 + 1-022-X3-EUR-42200
1-023-X2-EUR-42200-1E-AMT-TOT	<=	1-023-LU-EUR-42200 + 1-023-X3-EUR-42200

<b>S 1.5 maturity BRK</b>	<b>Relation</b>	<b>S 1.1 maturity BRK</b>
1-020-X2-EUR-42100-1E-AMT-TOT	<=	1-020-LU-EUR-42100 + 1-020-X3-EUR-42100
1-021-X2-EUR-42200-1E-AMT-TOT	<=	1-021-LU-EUR-42200 + 1-021-X3-EUR-42200
1-022-X2-EUR-42200-1E-AMT-TOT	<=	1-022-LU-EUR-42200 + 1-022-X3-EUR-42200
1-023-X2-EUR-42200-1E-AMT-TOT	<=	1-023-LU-EUR-42200 + 1-023-X3-EUR-42200

<b>S 1.5 maturity BRX</b>	<b>Relation</b>	<b>S 1.1 maturity BRX</b>
1-024-X2-EUR-42100-1E-AMT-TOT	<=	1-024-LU-EUR-42100 + 1-024-X3-EUR-42100
1-024-X2-EUR-42200-1E-AMT-TOT	<=	1-024-LU-EUR-42200 + 1-024-X3-EUR-42200
1-026-X2-EUR-42100-1E-AMT-TOT	<=	1-026-LU-EUR-42100 + 1-026-X3-EUR-42100
1-026-X2-EUR-42200-1E-AMT-TOT	<=	1-026-LU-EUR-42200 + 1-026-X3-EUR-42200
2-021-X2-EUR-42100-2E-AMT-TOT	=	2-021-LU-EUR-42100 + 2-021-X3-EUR-42100
2-021-X2-EUR-42200-2E-AMT-TOT	=	2-021-LU-EUR-42200 + 2-021-X3-EUR-42200
2-024-X2-EUR-42100-2E-AMT-TOT	=	2-024-LU-EUR-42100 + 2-024-X3-EUR-42100
2-024-X2-EUR-42200-2E-AMT-TOT	=	2-024-LU-EUR-42200 + 2-024-X3-EUR-42200

<b>S 1.5 maturity BRF</b>	<b>Relation</b>	<b>S 1.1 maturities (BRA + BRC + BRG)</b>
2-022-X2-EUR-42100-2E-AMT-TOT	=	2-022-LU-EUR-42100 + 2-022-X3-EUR-42100
2-022-X2-EUR-42200-2E-AMT-TOT	=	2-022-LU-EUR-42200 + 2-022-X3-EUR-42200

<b>S 1.5 maturity BRJ</b>	<b>Relation</b>	<b>S 1.1 maturity BRJ</b>
2-022-X2-EUR-42100-2E-AMT-TOT	=	2-022-LU-EUR-42100 + 2-022-X3-EUR-42100
2-022-X2-EUR-42200-2E-AMT-TOT	=	2-022-LU-EUR-42200 + 2-022-X3-EUR-42200

<b>S 1.5 maturity BRA</b>	<b>Relation</b>	<b>S 1.1 maturity BRA</b>
2-023-X2-EUR-42100-2E-AMT-TOT	=	2-023-LU-EUR-42100 + 2-023-X3-EUR-42100
2-023-X2-EUR-42200-2E-AMT-TOT	=	2-023-LU-EUR-42200 + 2-023-X3-EUR-42200

<b>S 1.5 maturity BRE</b>	<b>Relation</b>	<b>S 1.1 maturities (BRC + BRG + BRJ)</b>
2-023-X2-EUR-42100-2E-AMT-TOT	=	2-023-LU-EUR-42100 + 2-023-X3-EUR-42100
2-023-X2-EUR-42200-2E-AMT-TOT	=	2-023-LU-EUR-42200 + 2-023-X3-EUR-42200