

Assurance Statement

related to GHG Emissions Inventory fiscal year 2017
prepared for Brother Industries, Ltd.

Terms of Engagement

This Assurance Statement has been prepared for Brother Industries, Ltd.

Lloyd's Register Quality-Assurance Ltd. (LRQA) was commissioned by Brother Industries, Ltd. (BIL) to assure its GHG Emissions Inventory for the fiscal year 2017 (1 April 2017 to 31 March 2018) (hereafter referred to as "the report").

The report relates to direct GHG emissions (Scope 1)¹, energy indirect GHG emissions (Scope 2)¹ and other indirect GHG emissions (Scope 3)^{2 3}.

The report includes GHG emissions⁴ associated with the operations and activities of BIL and Brother Group's manufacturing and non-manufacturing sites in Japan and overseas.

Management Responsibility

BIL's management was responsible for preparing the report and for maintaining effective internal controls over the data and information disclosed. LRQA's responsibility was to carry out an assurance engagement on the report in accordance with our contract with BIL.

Ultimately, the report has been approved by, and remains the responsibility of BIL.

LRQA's Approach

Our verification has been conducted in accordance with ISO 14064-3:2006 *Specification with guidance for validation and verification of greenhouse gas assertions* to provide limited assurance that GHG data as presented in the report have been prepared in conformance with ISO 14064-1:2006 *Specification with guidance at the organizational level for quantification and reporting of greenhouse gas emissions and removals*.

To form our conclusions, the assurance engagement was undertaken as a sampling exercise and covered the following activities:

- conducted site tours of the facilities and reviewed processes related to the control of GHG emissions data and records at the headquarter, Nissei Corporation and Brother Technology (Shenzhen) Ltd.;
- reviewed the management system documents for GHG emissions data, information and records, covering all the processes up to the preparation of the GHG Inventory;
- interviewed relevant staff of the organization responsible for managing GHG emissions data and records;
- assessed effectiveness of implementation of the GHG management system and the internal data verification; and
- verified historical GHG emissions data and records at an aggregated level for the fiscal year 2017.

Level of Assurance & Materiality

The opinion expressed in this Assurance Statement has been formed on the basis of a limited level of assurance and at a materiality of the professional judgment of the Verifier.

¹ Scope 1 and 2 emissions are as defined in *The Greenhouse Gas Protocol – A Corporate Accounting and Reporting Standard*.

² The categories of Scope 3 emissions are as defined in the *Greenhouse Gas Protocol – Corporate Value Chain (Scope 3) Accounting and Reporting Standard, Table 5.3*.

³ Scope 3 GHG emissions covers Category 1 to 15.

⁴ GHG quantification is subject to inherent uncertainty.

LRQA's Opinion

Based on LRQA's approach nothing has come to our attention that would cause us to believe that the total direct GHG emissions and energy indirect GHG emissions and other indirect GHG emissions disclosed in the report as summarized in Table 1 below are not materially correct and that the report has not been prepared in conformance with ISO 14064-1:2006.

LRQA's Recommendations

It is recommended that BIL should further demonstrate the accuracy and reliability of the GHG emission data associated with its logistics operations and associated companies in its future reports. This is also particular to establishing and maintaining effective internal verification controls and reporting boundaries.

Signed:

Dated: 1 April 2019



Koji Tagami

LRQA Lead Verifier

On behalf of Lloyd's Register Quality Assurance Limited
Japan Business Centre, Queen's Tower A, 10th Floor
2-3-1 Minatomirai, Nishi-ku, Yokohama 220-6010, Japan

LRQA Reference: YKA4005060

Table 1. Summary of BIL's GHG Emissions Inventory 2017

Scope of GHG emissions	Tonnes CO ₂ e
Direct GHG emissions (Scope 1)	67,068
Energy indirect GHG emissions (Scope 2, Location-based)	122,220
Energy indirect GHG emissions (Scope 2, Market-based)	118,524
Other indirect GHG emissions (Scope 3)	3,112,337

Note 1: Scope 2 (Location-based) and Scope 2 (Market-based) are as defined in the GHG Protocol Scope 2 Guidance, 2015

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Due to inherent limitations in any internal control, it is possible that fraud, error, or non-compliance with laws and regulations may occur and not be detected. Further, the verification was not designed to detect all weakness or errors in internal controls so far as they relate to the requirements set out above as the verification has not been performed continuously throughout the period and the verification carried out on the relevant internal controls were on a test basis. Any projection of the evaluation of control to future periods is subject to the risk that the processes may become inadequate because of changes in conditions, or that the degree of compliance with them may deteriorate.

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