

GREENHOUSE GAS INVENTORY (GHGI) VERIFICATION STATEMENT

Statement No:
265844-2018-GHGI-RvA

Initial Verification Date:
18 June 2018

Statement Validity:
18 June 2018 – 17 June 2019

DNV GL Business Assurance has verified, in accordance with ISO 14064-3, the Greenhouse Gas (hereinafter GHG) Inventory assertions of the organisation

NATS

reported in the document entitled "GHG Report - Basis of Reporting for NATS' Airspace, Energy and Environmental Performance Data 2017-18" dated 25 May 2018 related to the activities of NATS carried out at head office at 4000 Parkway, Whiteley, Fareham, Hampshire, PO15 7FL and 203 installations where NATS has operational control, located across 160 sites in the United Kingdom.

Based on the verification process procedures, DNVGL states that the aforementioned report has been produced by the Organisation in compliance with ISO 14064-1 Standard on GHG quantification, monitoring and reporting and the GHG information reported provides, with the qualifications listed in the attachment of this Statement, a balanced representation of the organisation's GHG inventory for the period 1 April 2017 to 31 March 2018 with the following GHG emissions results (values rounded to tonnes):

GHGs	2017-18			
	t CO ₂	t CH ₄	t N ₂ O	t CO ₂ eq
DIRECT EMISSIONS / REMOVALS	2,662	0.14	0.11	3,982
Fuel: Combustion of Fuels From Stationary Assets (e.g. boilers, generators)	348	0.02	0.10	377
Fuel: Natural Gas	2,082	0.12	0.00	2,086
Fuel: Transport	232	0	0	233
Fugitive Emissions: Refrigerant Losses	0	0	0	1,285
ENERGY INDIRECT EMISSIONS / REMOVALS				
Electricity: Scope 2 Location Based	21,060	1	0	21,223
Electricity: Scope 2 Market Based (CO ₂ only)	20,728	0.0	0	20,728
OTHER INDIRECT EMISSIONS / REMOVALS	11,949	0.18	0.14	11,995
Purchased Goods & Services (Water Supply & Treatment): Scope 3 (Category 1)	57	0	0	57
Fuel & Energy Related Activities: T&D Losses and WTT: Scope 3 (Category 3)	6,124	0.14	0.04	6,140
Downstream Transportation & Distribution (Couriers): Scope 3 (Category 4)	5	0	0	5
Business Travel: Scope 3 (Category 6)	5,762	0.04	0.10	5,792
TOTAL EMISSIONS - SCOPE 2 LOCATION BASED	35,670	1.82	0.67	37,200
TOTAL EMISSIONS - SCOPE 2 MARKET BASED	35,338	0.32	0.24	36,704

Place and date:
Barendrecht, 28 June 2018

For the issuing DNV GL office:
DNV GL – Business Assurance



D.P. Koek
Management Representative

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Date: 28 June 2018

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Verification Objective

The objective of this verification is to assess compliance to the below reported verification criteria of the GHG assertions contained in the document entitled "GHG Report - Basis of Reporting for NATS' Airspace, Energy and Environmental Performance Data 2017-18" dated 25 May 2018 relative to NATS GHG Inventory for the period 1 April 2017 to 31 March 2018. Current organisation activities aimed at reducing GHG emissions or to quantify the uncertainty associated to the declared GHG emissions are not part of the verification conducted by DNV GL.

Verification Scope

The scope of the verification is defined by:

- The organisation's head office at 4000 Parkway, Whiteley, Fareham, Hampshire, PO15 7FL and 203 installations where NATS has operational control, located across 160 sites in the United Kingdom. The sites addresses have been omitted in this verification statement due to security reasons.
- Direct GHG emissions from the following sources: natural gas, fuel used in stationary assets, fuel used in transportation and F-Gas losses.
- Indirect GHG emissions from electricity consumption.
- Other indirect GHG emissions associated with: business travel including air, rail and water travel; upstream emissions from purchased goods and services (water use and treatment only); upstream emissions of fuel, electricity and T&D losses; upstream T&D losses from fuel used in vehicles and facilities; and downstream transportation and distribution (couriers).
- The following greenhouse gases: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydro-fluorocarbons (HFCs).
- The financial year 1 April 2017 to 31 March 2018.

Verification Level of Assurance

The verification was conducted by DNV GL with a reasonable level of assurance without any qualifications as reported in the below Verification Conclusions.

Materiality Level

Errors / omissions which represent, single or aggregated, the 5% of total emissions are considered material.

Verification Criteria

The requirements applicable to the organisation's GHG Inventory are those included in ISO 14064-1. Further information relating to market and location based emission factors for

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scope 2 emissions can be found in the CDP document "Accounting of scope 2 emissions. Technical notes for reporting to CDP Climate Change and Supply Chain in 2016."

Verification Conclusions

Based on the above, DNV GL Business Assurance concludes that the GHG assertions contained in the documented entitled "GHG Report - Basis of Reporting for NATS' Airspace, Energy and Environmental Performance Data 2017-18" dated 25 May 2018 relative to NATS for the period 1 April 2017 to 31 March 2018, document which is part of this verification statement provides a balanced representation, in accordance with the above reported verification criteria, of the GHG emissions associated to the activities included in the inventory. Without qualifying our Opinion as stated above, we provide the following clarifications as an additional output to our work.

- Scope 2 Location Based and Market Based Factors are reported on the basis of the following electricity consumption 60,368,693 kWh.
- Market Based Emissions Factors are based on the latest available npower fuel mix statistics (1 April 2016 – 31 March 2017) for electricity supplied by npower and the latest available European Residual Mixes 2016 (published 15 June 2017) for electricity supplied by all other suppliers. Note that this data is CO₂ and not CO₂te.